



# HellasQCI

Deploying advanced national QCI systems and networks  
in Greece

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## Deliverable D1.1

### Project management information system

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All partners  
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Abstract: Deliverable D1.1 – Project Management Information System - is restricted and includes all the relevant project management information: the project administrative overview, project definition, contractors' coordinates, work breakdown structure, responsibility matrix, deliverables schedule and workplans, WPs definitions, planned work, etc. This deliverable thus describes the reference project management tool for the project.

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## Document Revision History

| Date       | Issue | Author/Editor/Contributor   | Summary of main changes                               |
|------------|-------|---|---|
| 05/02/2023 | A     | Evangelia Athanasaki, Betty Evangelinou   | Initial Draft   |
| 20/02/2023 | B     | Betty Evangelinou, All Partners   | Partner's contributions to administrative information |
| 22/02/2023 | C     | Tech Board  | Deliverable Reviewers                                 |
| 28/02/2023 | D     | Betty Evangelinou, Evangelia Athanasaki, Ilias Papastamatiou, Georgios Nikolopoulos | Final editing and changes, quality check              |

## Table of Contents

|  |    |
|--|----|
| Document Revision History .....                            | 2  |
| References.....  | 5  |
| List of Acronyms.....                                      | 6  |
| Executive Summary .....                                    | 7  |
| 1. Project Definition.....                                 | 8  |
| 2. Administrative Overview.....                            | 12 |
| 3. Coordinates .....                                       | 14 |
| 3.1 GRNET.....   | 14 |
| 3.2 MinDigital .....                                       | 19 |
| 3.3 NKUA.....  | 23 |
| 3.4 AUTH .....   | 26 |
| 3.5 FORTH.....   | 29 |
| 3.6 NCSR.....  | 33 |
| 3.7 NOA.....   | 37 |
| 3.8 QUBITECH .....   | 40 |
| 3.9 COSMOTE.....   | 45 |
| 3.10 SPACE HELLAS.....                                     | 49 |
| 3.11 MOTOR OIL .....                                       | 52 |
| 3.12 ICCS .....  | 55 |
| 3.13 UNILU .....   | 60 |
| 3.14 SETU/WIT.....   | 64 |
| 4. Committees.....   | 67 |
| 5. Contacts .....  | 69 |
| 6. Work Breakdown Structure and Responsibility Matrix..... | 70 |
| 7. Workplan.....   | 72 |
| 8. Pert Diagram.....                                       | 73 |
| 9. Deliverables.....                                       | 74 |
| 10. Milestones.....  | 76 |
| 11. Meetings.....  | 78 |
| 12. Partner Effort per WP activity.....                    | 79 |
| 13. Partner Effort per month .....                         | 80 |
| 14. Budget Distribution per partner.....                   | 81 |



## References

- [1] Project Notebook: HellasQCI-WP1-GR-001-Notebook
- [2] Project HellasQCI-101091504- Annex I - Description of the Action

## List of Acronyms

|      |  |
|------|--|
| QCI  | Quantum Communication Infrastructure     |
| QKD  | Quantum Key Distribution                 |
| SME  | Small Medium Enterprise                  |
| EU   | European Union                           |
| WBS  | Work Breakdown Structure                 |
| WP   | Work Package                             |
| ICT  | Information and Communication Technology |
| SDO  | Standards Developing Organisation        |
| WDM  | Wavelength-division multiplexing         |
| OGS  | Optical Ground Station                   |
| PUF  | Physical Unclonable Function             |
| KMS  | Key Management Service                   |
| HPC  | High Performance Computing               |
| KPI  | Key Performance Indicator                |
| DKPI | Dissemination Key Performance Indicator  |

## Executive Summary

### **What is the focus of this Deliverable?**

The D1.1 - Project Management Information System is a snapshot of the Project Notebook [1], a living excel document, where the HellasQCI consortium maintains all the administrative and management information of the project. The purpose of this document is to keep up-to-date the baseline of the project, facilitating reporting as well as keeping the coordinates of all project participants to speed up communication. Updates to the notebook will occur as the project evolves.

### **What is next in the process to deliver the HellasQCI results?**

The deliverable and workflow progress are described in the project Annex-I – Description of the Action [2].

### **What are the deliverable contents?**

The Project Notebook is an excel file with worksheets. Some of the worksheets remain unchanged during the project (like the administrative overview), some are updated at every reporting period and some are updated dynamically. The worksheets (with a self-explanatory tab) are: Administrative overview, Project definition, WBS, GANTT, PERT, Deliverables list, Milestones list, Partner Coordinates, Committees, Contacts, Meetings Index, Budget distribution per partner, Partner Effort per WP-activity, Partner effort per month.

### **Conclusions and recommendations**

The HellasQCI Notebook as depicted here in D1.1 constitutes the basic tool that will be used to manage the HellasQCI project.

## 1. Project Definition

| Project concept   |
|---|
| <p><b>HellasQCI: Deploying advanced national QCI systems and networks in Greece</b></p> <p>HellasQCI project aims to deploy advanced National QCI systems and networks. Its architecture comprises of three metropolitan test sites located at major cities of Greece namely: HellasQCI-Central (Athens), HellasQCI-North (Thessaloniki) and HellasQCI-South (Heraklion-Crete). Each test-site is divided into Governmental and Industrial testbeds, which allow the project to investigate the field deployment of QKD technologies in a plethora of realistic scenarios and use cases addressing National Security, Public Health, Critical Infrastructure and ICT sector. An additional Educational testbed will allow the development of new quantum technologies, provide a sandpit for SME innovation, and offer Greece a futureproof extension towards Quantum Internet. It will also serve as a comprehensive training environment for technical, research staff and end users. For inter-test-site links and international connection with other EuroQCI members, HellasQCI will exploit three Greek observatories, which constitute a national asset and have been selected by ESA to be upgraded as Optical Ground Stations with QKD capabilities. The aim of HellasQCI is also to create a community from all interested national stakeholders, gather expertise and share knowhow on the application of quantum technologies. The HellasQCI consortium involves key research institutes and universities of Greece, which are able to address the needs for an operational HellasQCI infrastructure. Governmental authorities that participate in the project, including the Ministry of Digital Governance, the Ministry of Defense, the Police, the Army and the National Intelligence Agency, together with industrial partners and SMEs, can ensure the sustainability of HellasQCI. HellasQCI plans to cooperate with other EU Member States in order to boost Europe's scientific and technological capabilities in cybersecurity and quantum technologies, and to this end, it has already made partnerships with AT, LU, IE, ML, BG, PL, CY.</p> |
| Project Objectives  |
| 1. Build the National Quantum Networks infrastructure as part of the EuroQCI.   |
| 2. Develop and Deploy advanced quantum systems and networking technologies.   |
| 3. Advanced use cases in different application scenarios.   |
| 4. Provide a training environment for technical, research and end-users' staff.   |
| 5. Cooperation with EU Member States to build robust, interoperable and secure QKD systems and networks for the EuroQCI.  |
| 6. National Stakeholder Engagement  |
| 7. Provide a secure architecture compatible with EU Standards and Certifications  |
| 8. Space segment connectivity   |
| Description of the Action   |
| <p><b>WP1. Project Management:</b></p> <ul style="list-style-type: none"> <li>- Perform the technical and financial project management and ensure the efficient coordination of the consortium.</li> <li>- Ensure the relevance, quality and timeliness of the project outputs, the monitoring of the works and results, and the implementation of corrective measures if needed.</li> <li>- Report on project progress to the European Commission.</li> <li>- Perform a risk management and resolution plan.</li> <li>- Resolve any project internal conflicts and build accountability into the project's work.</li> </ul>  |
| <p><b>WP2. Design of the HellasQCI and interoperability with EuroQCI:</b></p> <ul style="list-style-type: none"> <li>- Definition of use cases to be executed over the HellasQCI infrastructure along its evolution phases.</li> <li>- Definition of the HellasQCI architecture so as to support defined use cases.</li> <li>- Execution of the procurement process for acquiring the infrastructure that is necessary for the defined HellasQCI architecture and the use cases to be implemented.</li> <li>- To contribute to the design of the overall EuroQCI system architecture so as interoperability with HellasQCI is guaranteed.</li> </ul>  |



|  |
|--|
| <p><b>WP3. Implementation and operation of the HellasQCI:</b></p> <ul style="list-style-type: none"> <li>- Provide a secure system architecture.</li> <li>- Perform phase 0 testing.</li> <li>- Build the HellasQCI control and management planes.</li> <li>- Initiate the operation of the HellasQCI infrastructure so as to enable execution of phase 1 and phase 2 testing.</li> <li>- Manage the HellasQCI infrastructure.</li> <li>- Follow standardisation and certification guidelines for HellasQCI infrastructure.</li> <li>- Ensure the security of the HellasQCI infrastructure.</li> </ul>   |
| <p><b>WP4. Demonstration of the Use Cases:</b></p> <ul style="list-style-type: none"> <li>- Demonstrate the National Security use cases with enhanced network security and resilience.</li> <li>- Demonstrate the use of QKD technology in service of the Public Health.</li> <li>- Demonstrate the Industrial applications of QKD including critical infrastructure and ICT sectors.</li> <li>- Demonstrate the research, education and innovation use cases.</li> </ul>  |
| <p><b>WP5 – Trainings in QCI and QKD systems and networks:</b></p> <ul style="list-style-type: none"> <li>- Definition of the training strategy and methodology of HellasQCI.</li> <li>- Design of the training stages and implementation rounds for HellasQCI trainees' groups.</li> <li>- Implementation of the training program on QKD principles for the research and academic communities.</li> <li>- Implementation of the training program on Security for security and IT experts.</li> <li>- Implementation of the training program on QKD applications for end users and public authorities.</li> </ul>  |
| <p><b>WP6 – Communication, dissemination and exploitation:</b></p> <ul style="list-style-type: none"> <li>- Increase awareness about the project outcomes and its benefits.</li> <li>- Ensure National Stakeholders Involvement and create the HellasQCI community.</li> <li>- Stimulate the community participation at all levels setting up communication links with Industry Alliances, the EuroQCI CSA and other National QCI communities.</li> <li>- Generate new knowledge by allowing open access to some of the HellasQCI tools.</li> <li>- Support exploitation of the project results and thus contribute to the increase of EU competitiveness.</li> <li>- Support standardisation activities for the project results in EU and Global SDOs.</li> </ul> |

| #      | Key Performance Indicator                                    | relevant project objective | Relevant WP | KPI successful threshold | Achieved KPI |
|--------|--|----------------------------|-------------|--------------------------|--------------|
| KPI1.1 | Number of QKD technologies deployed                          | O1                         | WP2/WP3     | 3                        |              |
| KPI1.2 | Number of full QKD systems deployed                          | O1                         | WP2/WP3     | 9                        |              |
| KPI1.3 | Advanced (switched/PUF authenticated/enhanced KMS) QKD nodes | O2                         | WP2/WP3     | 8                        |              |
| KPI1.4 | Co-existing WDM/QKD links                                    | O2                         | WP2/WP3     | 2                        |              |
| KPI1.5 | Total number of HellasQCI end nodes                          | O1                         | WP2/WP3     | 20                       |              |
| KPI1.6 | Number of HellasQCI test-sites                               | O1                         | WP2/WP3     | 3                        |              |
| KPI1.7 | Number of HellasQCI QKD ready OGS                            | O1, O8                     | WP2/WP3     | 3                        |              |
| KPI1.8 | Total length of fiber links                                  | O1                         | WP2/WP3     | 450km                    |              |

| #      | Key Performance Indicator | relevant project objective | Relevant WP | KPI successful threshold | Achieved KPI |
|--------|---------------------------|----------------------------|-------------|--------------------------|--------------|
| KPI2.1 | Total number of use cases | O3                         | WP4         | 16                       |              |

|        |  |    |     |                             |  |
|--------|--|----|-----|-----------------------------|--|
| KPI2.2 | Total National Security and Governmental nodes connected                       | O3 | WP4 | 7                           |  |
| KPI2.3 | Total Critical infrastructures, health sector and ICT industry nodes connected | O3 | WP4 | 6                           |  |
| KPI2.4 | Total Research and Innovation nodes connected                                  | O3 | WP4 | 6                           |  |
| KPI2.5 | Entanglement distribution network  | O3 | WP4 | 4 receivers/<br>2 end-nodes |  |

| #      | Key Performance Indicator  | relevant project objective | Relevant WP   | KPI successful threshold                    | Achieved KPI |
|--------|--|----------------------------|---------------|---|--------------|
| KPI3.1 | Total number of training workshop events                                       | O4                         | WP5           | 5   |              |
| KPI3.2 | Number of short HellasQCI online training tutorials in universities            | O4                         | WP5           | 3   |              |
| KPI3.3 | Number of 1-week summer schools devoted for MSc/PhD students                   | O4                         | WP5           | 1   |              |
| KPI3.4 | Total number of participants in the HellasQCI trainings                        | O4                         | WP5           | 160   |              |
| KPI3.5 | Online training platform registered users                                      | O4                         | WP5           | 60  |              |
| KPI3.6 | Total number of PhD students participating in HellasQCI activities/experiments | O4                         | WP3, WP4, WP5 | 7   |              |
| KPI3.7 | Integration of HellasQCI training material in MSc and undergraduate courses    | O4                         | WP5           | 2 MSc courses &<br>3 Undergraduate programs |              |
| KPI3.8 | Number of training laboratory events via emulation platforms                   | O4                         | WP4, WP5      | 4 (~5-7 participants per event)             |              |

| #      | Key Performance Indicator    | relevant project objective | Relevant WP | KPI successful threshold | Achieved KPI |
|--------|------------------------------|----------------------------|-------------|--------------------------|--------------|
| KPI4.1 | Number of Involved Countries | O5                         | WP2         | 7                        |              |
| KPI4.2 | Number of bilateral meetings | O5                         | WP2         | 10                       |              |

| #      | Key Performance Indicator        | relevant project objective | Relevant WP | KPI successful threshold        | Achieved KPI |
|--------|----------------------------------|----------------------------|-------------|---------------------------------|--------------|
| KPI5.1 | Number of HellasQCI stakeholders | O6                         | WP6         | 20                              |              |
| KPI5.2 | Manpower skills development      | O6                         | WP6         | Ten (10) staff of the community |              |

|        |   |    |     |  |  |
|--------|---|----|-----|--|--|
|        |   |    |     | stakeholders will attend the HellasQCI training sessions |  |
| KPI5.3 | Workshops with the whole HellasQCI community (working meetings) | O6 | WP6 | 1 face to face and 2 virtual                             |  |

| #      | Key Performance Indicator  | 1 <sup>st</sup> Period (M1-M18) | 2nd Period (M19-M30) | Overall |
|--------|--|---------------------------------|----------------------|---------|
| DKPI 1 | Number of events attended representing the project                               | 1                               | 1                    | 2       |
| DKPI 2 | Presence at relevant conferences   | 2                               | 2                    | 4       |
| DKPI 3 | Number of people informed about HellasQCI use cases through dissemination events | 100                             | 300                  | 400     |
| DKPI 4 | Number of articles published (including Open Access journals & conferences)      | 1                               | 1                    | 2       |
| DKPI 5 | Number of publications on EC channels (Cordis and others)                        | 1                               | 1                    | 2       |
| DKPI 6 | Number of press releases delivered to traditional media                          | 3                               | 3                    | 6       |
| DKPI 7 | Number of unique visitors to the website (based on Google Analytics)             | 300                             | 700                  | 1000    |
| DKPI 8 | Social media followers (LinkedIn and Twitter)                                    | 100                             | 200                  | 300     |

## 2. Administrative Overview

| Project Administrative Overview             |   |                     |        |
|---|---|---------------------|--------|
| <b>Project Full Name</b>                    | Deploying advanced national QCI systems and networks in Greece    |                     |        |
| <b>Project Acronym</b>                      | HellasQCI   |                     |        |
| <b>Call Identifier</b>                      | DIGITAL-2021-QCI-01   |                     |        |
| <b>Contract No</b>                          | 101091504   |                     |        |
| <b>Type of Action</b>                       | DIGITAL Simple Grants   |                     |        |
| <b>Duration in months</b>                   | 30  |                     |        |
| <b>Start Date</b>                           | January 1st, 2023   |                     |        |
| <b>End Date</b>                             | June 30th, 2025   |                     |        |
| <b>Topic</b>                                | DIGITAL-2021-QCI-01-DEPLOY-NATIONAL                               |                     |        |
| <b>Total Eligible Costs in euro</b>         | 9,997,545.00  |                     |        |
| <b>EC Contribution requested in euro</b>    | 4,998,772.50  |                     |        |
| <b>Project web sites</b>                    | <a href="http://www.hellasqci.eu">http://www.hellasqci.eu</a>     |                     |        |
| Project Coordinator (PC)                    |   |                     |        |
| <b>Title</b>                                | Dr  | <b>Gender</b>       | M      |
| <b>Function</b>                             | Project Management  |                     |        |
| <b>Family Name</b>                          | Papastamatiou   | <b>First Name</b>   | Ilias  |
| <b>Organisation Legal Name</b>              | National Infrastructures for Research and Technology S.A. (GRNET) |                     |        |
| <b>Institute/Department/Laboratory Name</b> | European Infrastructures and Projects Directorate                 |                     |        |
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| Technical Coordinator                       |   |                     |        |
| <b>Title</b>                                | Dr  | <b>Gender</b>       | M      |
| <b>Function</b>                             | Professor   |                     |        |
| <b>Family Name</b>                          | Kanellos  | <b>First Name</b>   | George |
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| <b>Project Financial Manager (FM)</b>             |   |                     |                       |
|---|---|---------------------|-----------------------|
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| <b>Function</b>                                   | e-Infrastructure Project Manager                                  |                     |                       |
| <b>Family Name</b>                                | Athanasaki  | <b>First Name</b>   | Evangelia             |
| <b>Organisation Legal Name</b>                    | National Infrastructures for Research and Technology S.A. (GRNET) |                     |                       |
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| <b>Project Communication Coordinator (CC)</b>     |   |                     |                       |
| <b>Title</b>                                      | Dr  | <b>Gender</b>       | M                     |
| <b>Function</b>                                   | Director of Applied Science                                       |                     |                       |
| <b>Family Name</b>                                | Papadopoulos  | <b>First Name</b>   | Homer                 |
| <b>Organisation Legal Name</b>                    | National Centre for Scientific Research Demokritos                |                     |                       |
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| <b>Project Quality Assurance Coordinator (QC)</b> |   |                     |                       |
| <b>Title</b>                                      | Dr.   | <b>Gender</b>       | M                     |
| <b>Function</b>                                   | Principal Researcher  |                     |                       |
| <b>Family Name</b>                                | Nikolopoulos  | <b>First Name</b>   | Georgios              |
| <b>Organisation Legal Name</b>                    | Foundation for Research and Technology - Hellas (FORTH)           |                     |                       |
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### 3. Coordinates

#### 3.1 GRNET

| National Infrastructures for Research and Technology S.A. (GRNET) coordinates   |   |                                 |                 |
|---|---|---------------------------------|-----------------|
| <b>Legal information on the participating organisation</b>  |   |                                 |                 |
| <b>Participant Role</b>   | Coordinator   | <b>Beneficiary No</b>           | 1               |
| <b>Organisation Legal Name</b>  | National Infrastructures for Research and Technology S.A. | <b>Short Name</b>               | GRNET           |
| <b>Legal Registration No.</b>   | 041218/001/A/98/389                                       | <b>VAT No.</b>                  | EL094536469     |
| <b>Internet homepage</b>  | <a href="http://www.grnet.gr/">http://www.grnet.gr/</a>   | <b>Cost Basis</b>               |                 |
| <b>Legal Address of the organisation</b>  |   |                                 |                 |
| <b>Street Name and No.</b>  | 7, Kifisias Av.   | <b>PO Box</b>                   | N/A             |
| <b>Post Code</b>  | GR-11527  | <b>Town/City</b>                | Athens          |
| <b>Cedex</b>  | -   | <b>Country Name</b>             | Greece          |
| <b>Organisation profile</b>   |   |                                 |                 |
| <p>GRNET is the National Research and Education Network in Greece (NREN) and the coordinator of the HellasQCI proposal. GRNET is a state-owned company, operating under the auspices of the Greek Ministry of Digital Governance (MinDig) and providing advanced e-Infrastructures and services for Public Administration, Education, Research, Health &amp; Culture sectors. GRNET has been appointed by the Ministry of Digital Governance as the responsible entity for coordinating the national EuroQCI related proposals for the DEP and CEF calls. GRNET holds a key role as the coordinator of all e-infrastructure services in Education and Research in Greece and is the leader in a coordinated effort for development of e-infrastructures and services in Southeast Europe (SEEREN, SEE-GRID series, HP-SEE, VI-SEEM, NI4OS-Europe projects). GRNET operates a backbone network covering the whole national territory: more than 9000 km of dark fibers, operated by GRNET-owned equipment, with several 10Gbps connections to 50 Institutions. Moreover, GRNET is the leading cloud computing and data infrastructure for R&amp;E community in Greece and beyond and owns 135 racks, 1800+ servers, 7000 Virtual Machines active, 5 Petabytes of storage. GRNET is one of the core data centers of the EUDAT Collaborative Data Infrastructure, involved in infrastructure and service operations and management. In the realm of High-Performance Computing (HPC), GRNET is currently operating the Greek national HPC Tier-1 centre - ARIS (Advanced Research Information System) which includes 4 compute islands and a theoretical peak performance at 434 Tflops. GRNET is a member of PRACE (pan-European HPC systems federation) and the flagship European Commission's initiative EuroHPC.</p> |   |                                 |                 |
| <b>First Authorised Legal Person for the purpose of contract signature</b>  |   |                                 |                 |
| <b>Title</b>  | Dr.   | <b>Gender: Female=F, Male=M</b> | M               |
| <b>Family Name</b>  | Sotiropoulos  | <b>First Name</b>               | Aristeidis      |
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|   |  |                                 |        |
|---|--|---------------------------------|--------|
| <b>Curriculum Vitae</b>                                     | Dr. Aristeidis Sotiropoulos (m) received his BSc in Computer Science in 1998 from the University of Crete, Greece and his PhD in Parallel Processing and Cluster Computing in 2004 from the National Technical University of Athens, Greece. His interests mainly focus on the fields of Large-Scale Computing & Storage Systems, System Software for Scalable High-Speed Interconnects for Computer Clusters and Advanced Microprocessor Architectures. He has published several scientific papers in international journals and conference proceedings. He has received the IEEE IPDPS 2001 best paper award for the paper "Minimizing Completion Time for Loop Tiling with Computation and Communication Overlapping". He has worked in several European and National R&D programs in the field of High-Performance Computing, Grid Computing, Cloud Computing and Storage. In August 2019, he was appointed member of the BoD of GRNET, where he was elected as CEO. |                                 |        |
| <b>Banking Information</b>                                  |  |                                 |        |
| <b>Name of Bank</b>   | National Bank of Greece  |                                 |        |
| <b>Street Name and No.</b>                                  | 1 Mesogeion Av. & Vas. Sofias  | <b>PO Box</b>                   | N/A    |
| <b>Post Code</b>  | GR-11526   | <b>Town/City</b>                | Athens |
| <b>Country Code</b>   | EL   | <b>Country Name</b>             | Greece |
| <b>Swift Code</b>   |  | <b>Sort Code</b>                |        |
| <b>BIC</b>  | ETHNGRAA   |                                 |        |
| <b>Account Number</b>                                       | 721/100226-04  |                                 |        |
| <b>IBAN</b>   | GR4001107210000072110022604  |                                 |        |
| <b>Address of the main department carrying out the work</b> |  |                                 |        |
| <b>Institute/Department/Laboratory Name</b>                 | European Projects Department   |                                 |        |
| <b>Street Name and No.</b>                                  | 7, Kifisias Av.  | <b>PO Box</b>                   | N/A    |
| <b>Post Code</b>  | GR-11523   | <b>Town/City</b>                | Athens |
| <b>Country Code</b>   | EL   | <b>Country Name</b>             | Greece |
| <b>Authorised contact person / Team Leader 1</b>            |  |                                 |        |
| <b>Title</b>  | Dr.  | <b>Gender: Female=F, Male=M</b> | M      |
| <b>Family Name</b>  | Papastamatiou  | <b>First Name</b>               | Ilias  |
| <b>Position</b>   | Project Management - HellasQCI project Coordinator   |                                 |        |
| <b>WP leader</b>  |  | WP2                             |        |
| <b>Task leader</b>  | T2.2   | T2.4                            | T4.1   |
| <b>Organisation Legal Name</b>                              | National Infrastructures for Research and Technology S.A. (GRNET S.A.)   |                                 |        |
| <b>Department/Room No.</b>                                  | European Projects Department   |                                 |        |
| <b>Street Name and No.</b>                                  | 7, Kifisias Av.  | <b>PO Box</b>                   | N/A    |
| <b>Post Code</b>  | GR-11523   | <b>Town/City</b>                | Athens |
| <b>Country Code</b>   | EL   | <b>Country Name</b>             | Greece |
| <b>Telephone No</b>   |  | <b>Fax No.</b>                  |        |
| <b>E-mail</b>   | ipapastamatiou@admin.grnet.gr  | <b>Mobile</b>                   |        |
| <b>Curriculum Vitae</b>                                     | Dr. Ilias Papastamatiou is an Electrical and Computer Engineer, PhD, Prince2, ITIL, and Senior Project Manager at GRNET. He participates in the management and   |                                 |        |

|                                |  |                                 |           |
|--------------------------------|--|---------------------------------|-----------|
|                                | <p>implementation of National and EU projects in the area of High-Performance Network Connectivity and the European Open Science Cloud (EOSC) such as GEANT's GN5-1 and EOSC-Future. He is currently the HellasQCI coordinator, the project that builds the National Quantum Communication Infrastructure of Greece and EuroQCI Technical Representative. Previously, during 2014-2020, he worked at the European Commission in Brussels, and specifically as Member of the Cabinet to the Commissioner for Migration, Home Affairs and Citizenship and later as Policy Officer at the Directorate-General for Migration and Home Affairs (DG HOME) responsible for the Cybercrime and Cyberterrorism portfolio. During 2013-2014 he was Advisor at the Hellenic Ministry of National Defence and Head of the ICT Department of the Minister's Cabinet. He retained the same position for the Hellenic Ministry of Foreign Affairs during 2012-2013. He holds a PhD from NTUA with honours in the research domain of Decision Support Systems and ICT. Mr Papastamatiou is decorated by the Minister of National Defence with the Cross of Merit and Honor (2nd Class) for his work in 2014.</p> |                                 |           |
| <b>Financial Manager</b>       |  |                                 |           |
| <b>Title</b>                   | Dr.  | <b>Gender: Female=F, Male=M</b> |           |
| <b>Family Name</b>             | Athanasaki   | <b>First Name</b>               | Evangelia |
| <b>Position</b>                | e-Infrastructures Project Manager  |                                 |           |
| <b>Activity leader</b>         |  |                                 |           |
| <b>Task leader</b>             | T1.3   |                                 |           |
| <b>Organisation Legal Name</b> | National Infrastructures for Research and Technology S.A. (GRNET S.A.)   |                                 |           |
| <b>Department/Room No.</b>     | European Infrastructures and Projects Directorate  |                                 |           |
| <b>Street Name and No.</b>     | 7, Kifisias Av.  | <b>PO Box</b>                   | N/A       |
| <b>Post Code</b>               | GR-11523   | <b>Town/City</b>                | Athens    |
| <b>Country Code</b>            | EL   | <b>Country Name</b>             | Greece    |
| <b>Telephone No</b>            | +30 210 7475688  | <b>Fax No.</b>                  |           |
| <b>E-mail</b>                  | eathan@grnet.gr  | <b>Mobile</b>                   |           |
| <b>Curriculum Vitae</b>        | <p>Dr. Evangelia Athanasaki is an eInfrastructures project manager in the Greek Research and Technology Network S.A. Since 2005 she works in GRNET being involved in several EU and national research projects, in the area of high performance computing, cloud and grid infrastructure. She received her Diploma in Electrical and Computer Engineering, 2002 (3rd place distinction) and her PhD in Computer Engineering/Simultaneous Multithreading and Multicore Computer Architecture, 2006, from the National Technical University of Athens.</p>   |                                 |           |
| <b>Other personnel</b>         |  |                                 |           |
| <b>Title</b>                   | Ms.  | <b>Gender: Female=F, Male=M</b> |           |
| <b>Family Name</b>             | Evangelinou  | <b>First Name</b>               | Betty     |
| <b>Position</b>                | Project Manager  |                                 |           |
| <b>Activity leader</b>         | WP1  |                                 |           |
| <b>Task leader</b>             | T1.1   | T1.2                            |           |
| <b>Organisation Legal Name</b> | National Infrastructures for Research and Technology S.A. (GRNET S.A.)   |                                 |           |
| <b>Department/Room No.</b>     | European Infrastructures and Projects Directorate  |                                 |           |
| <b>Street Name and No.</b>     | 7, Kifisias Av.  | <b>PO Box</b>                   | N/A       |



|                                |   |                                 |              |
|--------------------------------|---|---------------------------------|--------------|
| <b>Post Code</b>               | GR-11523  | <b>Town/City</b>                | Athens       |
| <b>Country Code</b>            | EL  | <b>Country Name</b>             | Greece       |
| <b>Telephone No</b>            | +30 210 7471135   | <b>Fax No.</b>                  |              |
| <b>E-mail</b>                  | bevangelinou@admin.grnet.gr   | <b>Mobile</b>                   |              |
| <b>Curriculum Vitae</b>        | Betty Evangelinou (F) holds a diploma in Electrical and Computer Engineering from the Aristotle University of Thessaloniki. She has taken part in several national and European co-funded projects (H2020, FP7, Interreg, CEF, NSRF, GSRT) as a Project Manager and/or Technical Consultant, covering activities of EU Innovation Project & Financial Management, Business Development and R&D proposal writing and consulting services in the fields of ICT and Security, with expertise in Business Analysis and Quality Control. She has worked as a Research Associate in the National Center for Scientific Research "Demokritos", as an EU Project Manager at the Center for Research and Technology Hellas (CERTH) and she is currently employed as an EU Project and PMO Manager in GRNET – National Infrastructures for Research and Technology. |                                 |              |
| <b>Other personnel</b>         |   |                                 |              |
| <b>Title</b>                   | Mr  | <b>Gender: Female=F, Male=M</b> | M            |
| <b>Family Name</b>             | Mousmoulas  | <b>First Name</b>               | Zenon        |
| <b>Position</b>                | Head of GRNET Partner Relations   |                                 |              |
| <b>Activity leader</b>         |   |                                 |              |
| <b>Task leader</b>             | T6.2  |                                 |              |
| <b>Organisation Legal Name</b> | National Infrastructures for Research and Technology S.A. (GRNET S.A.)  |                                 |              |
| <b>Department/Room No.</b>     | European Infrastructures and Projects Directorate   |                                 |              |
| <b>Street Name and No.</b>     | 7, Kifisias Av.   | <b>PO Box</b>                   | N/A          |
| <b>Post Code</b>               | GR-11523  | <b>Town/City</b>                | Athens       |
| <b>Country Code</b>            | EL  | <b>Country Name</b>             | Greece       |
| <b>Telephone No</b>            |   | <b>Fax No.</b>                  |              |
| <b>E-mail</b>                  | zmousm@admin.grnet.gr   | <b>Mobile</b>                   |              |
| <b>Curriculum Vitae</b>        | Zenon is Head of GRNET Partner Relations. He studied law at the Dimokritos University of Thrace and the University of Athens, but shifted focus to ICT. He has been with GRNET since 2003, where he has participated in a wide range of national and European projects, undertaking both technical and management responsibilities. He has in-depth experience in a vast range of technologies, from networking to systems, identity and multimedia. In 2009 he joined the then established in-house team of GRNET NOC. In August 2019 he took up the job of technical lead for GRNET Reliability Engineering directorate (successor of GRNET NOC). In February 2021 he was appointed head of the Partner Relations Office, a newly established interface to the whole GRNET community and constituency.  |                                 |              |
| <b>Other personnel</b>         |   |                                 |              |
| <b>Title</b>                   | Mr  | <b>Gender: Female=F, Male=M</b> | M            |
| <b>Family Name</b>             | Tziouvaras  | <b>First Name</b>               | Chrysostomos |
| <b>Position</b>                | Senior Technical Project Manager  |                                 |              |
| <b>Activity leader</b>         |   |                                 |              |
| <b>Task leader</b>             | T2.3  |                                 |              |

|                                |  |                     |        |
|--------------------------------|--|---------------------|--------|
| <b>Organisation Legal Name</b> | National Infrastructures for Research and Technology S.A. (GRNET S.A.)   |                     |        |
| <b>Department/Room No.</b>     | European Infrastructures and Projects Directorate  |                     |        |
| <b>Street Name and No.</b>     | 7, Kifisias Av.  | <b>PO Box</b>       | N/A    |
| <b>Post Code</b>               | GR-11523   | <b>Town/City</b>    | Athens |
| <b>Country Code</b>            | EL   | <b>Country Name</b> | Greece |
| <b>Telephone No</b>            |  | <b>Fax No.</b>      |        |
| <b>E-mail</b>                  | tziou@admin.grnet.gr   | <b>Mobile</b>       |        |
| <b>Curriculum Vitae</b>        | Chrysostomos holds a degree in Computer Engineering & Informatics and a M.Sc degree in Computer Networks & Digital Communications, Senior Technical Project Manager in GRNET S.A. In the past: lead development of the next generation GRNET network (almost 9.000km owned dark fiber infrastructure and owned DWDM equipment) and participated in several EU funded and regional projects on research networking such as GN2/3/3+/4/4N, SEEFIRE, PORTA-OPTICA, ECONET and SEELIGHT. |                     |        |

### 3.2 MinDigital

| <b>Ministry of Digital Governance (MinDigital) coordinates</b>   |                                |                       |                   |
|--|--------------------------------|-----------------------|-------------------|
| <b>Legal information on the participating organisation</b>   |                                |                       |                   |
| <b>Participant Role</b>  | Beneficiary                    | <b>Beneficiary No</b> | 2                 |
| <b>Organisation Legal Name</b>   | Ministry of Digital Governance | <b>Short Name</b>     | MinDigital        |
| <b>Legal Registration No.</b>  |                                | <b>VAT No.</b>        | 997001671         |
| <b>Internet homepage</b>   | www.mindigital.gr              | <b>Cost Basis</b>     |                   |
| <b>Legal Address of the organisation</b>   |                                |                       |                   |
| <b>Street Name and No.</b>   | 11, str. Fragoudi & Al. Pantou | <b>PO Box</b>         |                   |
| <b>Post Code</b>   | 10163                          | <b>Town/City</b>      | Kallithea, Athens |
| <b>Cedex</b>   |                                | <b>Country Name</b>   | Greece            |
| <b>Organisation profile</b>  |                                |                       |                   |
| <p>The Ministry of Digital Governance is the competent authority for the digital transformation of our economy, which is reflected in our National Digital Strategy 2020-2025, named as the Digital Transformation Bible. This Bible describes over 450 specific projects, outlining the basic principles, framework, governance model and guiding principles for the digital transformation of the country. It focuses on six strategic axes: 1. connectivity, 2. digital skills, 3. digital government, 4. digital business, 5. digital innovation and 6. integration of technology in every sector of the economy, all developed in 17 areas of our economy as horizontal and vertical interventions. It also supports research and development in the field of digital technologies, promoting cutting-edge technologies such as artificial intelligence, big data, high-performance computing and cloud computing.</p> <p>One of the main objectives of MinDigital is to plan and implement public policies to promote a high-quality and secure broadband environment, able to support socioeconomic development that is affordable to all. The competent authority of these policies is the General Secretariat of Telecommunications and Post, that also promotes the digital inclusion of people with specific needs, indigenous people, people living in rural areas, women, girls, children, people with disabilities, etc. Specifically, our National Broadband Plan includes a series of measures over a period of 7 years (until 2027) with a total investment of 2.492 billion euros, that includes high broadband connectivity across the country, but also 5G, microsatellite networks and the installation of submarine cables to the Greek islands. The expansion of Broadband connectivity is elaborated with Large-Scale projects that are implemented through Public-Private Partnerships, like our implemented Rural Broadband project, that offers broadband connectivity to 5K villages and 530 households with over 10K km fiber optic cables installed, our new “Ultrafast Broadband” (UFBB) project, with 800 bil euros budget, that will be implemented in a Public-Private Partnership scheme that seeks to cover areas across the Greek territory, which are estimated to remain “white NGA areas”, as well as areas where there is no offering of Internet connectivity of a downlink at least 100 Mbps, upgradable to 1 Gbs. It is expected to cover the vast majority of the population (&gt;90%) of the eligible areas in semi-rural and urban settlements.</p> <p>Apart from connectivity, during the COVID-19 pandemic, the major policy in Greece that proved to be of a high benefit to the citizens, was our Strategy for eGovernment, that removed administrative barriers, creating an investment-friendly environment and enhancing digital governance. Moreover, from June 2019 to August 2021, the Fourth National Action Plan on Open Government was developed in cooperation with civil society organizations, having three main strategic objectives:</p> <ul style="list-style-type: none"> <li>- Modernization of the State and public administration;</li> <li>- Reconnection of citizens with the State and public administration; and</li> <li>- Coordination of horizontal ICT policy in public administration.</li> </ul> <p>Since 2017, the General Secretariat for Telecommunications and Post of the Ministry of Digital Governance is the competent administrative authority for all civilian Space issues in Greece. It represents the country in all European</p> |                                |                       |                   |

and international organisations including EU, ESA, ITU as well as other international organizations with focus on Space related activities apart from EUMETSAT which is represented by the Ministry of National Defence. The Ministry of Digital Governance has long history of collaboration with the Ministry of National Defence in the field of Space. Since 2019 the two ministries have signed a programmatic agreement, in order to facilitate appropriate coordination for development and utilisation of multipurpose Space technologies and applications. In December 2017 a dedicated Space Law was adopted (4508/2017), in which the licensing of space activities is regulated and a National Register of Space Objects is established. In 2020, under a new law, the national objectives of Greece in the Space domain have been laid down, and include the following: a) the strengthening of national security and defence, especially through the exploitation and development of Space infrastructure, b) the development of the national Space industry, c) the exploitation of Space data and the development of related applications and d) the support of research and innovation in the Space field. This law is also targeting simplification of procedure regarding participation in ESA programmes to boost competitiveness. The recent strategy on Digital Transformation 2020-2025 of December 2020 lays out specific activities that the government will undertake in the Space domain. These are: a) upgrade of the Hellenic Copernicus Collaborative Ground Segment; b) GOVSATCOM- GreeCom; c) Line of action for the development of 5G Networks; d) Fibre in the sky and ground infrastructures; e) Development of the Micro-Satellite Project; f) Applications of Secure Quantum Cryptography – for the European Union Quantum Communications Infrastructure (EuroQCI); g) National Experimental Infrastructure for the Quantum Key Distribution (QKD).

In 2020, the European Space Agency, chose the Chelmos Observatory as the first Optical Ground Station (OGS) of the ESA's ARTES Secure and Laser communication technology programme (ScyLight). It will also be used under the EuroQCI of the EU. In 2021 two more additional optical ground stations, Skinakas and Cholomondas are also under preparation to be part of the EuroQCI initiative of the EU. The Hellas QCI proposal for DEP call has been successfully evaluated and a signature of a contract with EU was signed in 2022 for developing the Hellas space and terrestrial QCI network. Additionally, in 2021 an ESA Business Incubation Centre was set up. Greece also introduced the National Recovery and Resilience Plan (NRRP) "Greece 2.0" that includes 106 investments and 68 reforms, utilizing investment resources of 31.16 billion euros that will mobilize a total of 60 billion euros in investments in the country over the upcoming years.

### First Authorised Legal Person for the purpose of contract signature

|                         |   |                                 |           |
|-------------------------|---|---------------------------------|-----------|
| <b>Title</b>            | Dr  | <b>Gender: Female=F, Male=M</b> | M         |
| <b>Family Name</b>      | Kagklis   | <b>First Name</b>               | Dimitrios |
| <b>Position</b>         | Head of Directorate of Wireless Communications, 5G Networks and Space   |                                 |           |
| <b>Telephone No</b>     | +302109098874   | <b>Fax No.</b>                  |           |
| <b>E-mail</b>           | d.kagklis@mindigital.gr   | <b>Mobile</b>                   |           |
| <b>Curriculum Vitae</b> | Head of the Directorate of Wireless Communications, 5G Networks and Space in the Directorate General of Telecommunications and Post of the Secretariat General of Telecommunications and Post in the Ministry of Digital Governance. Also, the Hellas EuroQCI Shepra, Greek ESA Head of Delegation, Representative in ESA JCB, IPC, AFC, EUSPA Administrative Board, member in SCOTT, 4S & 5G advisory groups of ESA. project coordinator on behalf of the Ministry of Digital Governance in the project ENTRUSTED (Home - ENTRUSTED) He holds a PhD in telecommunications networks (2006) and a MsC in Techno Economics Systems (2002). Participation in T2.4, T6.2. |                                 |           |

### Banking Information

|                            |                      |                     |        |
|----------------------------|----------------------|---------------------|--------|
| <b>Name of Bank</b>        | Bank of Greece       |                     |        |
| <b>Street Name and No.</b> | El. Venizelou 21 Str | <b>PO Box</b>       |        |
| <b>Post Code</b>           | 10250                | <b>Town/City</b>    | Athens |
| <b>Country Code</b>        | EL                   | <b>Country Name</b> | Greece |
| <b>Swift Code</b>          |                      | <b>Sort Code</b>    |        |

|   |  |                                 |                  |
|---|--|---------------------------------|------------------|
| <b>BIC</b>  | BNGRGRAA   |                                 |                  |
| <b>Account Number</b>                                       |  |                                 |                  |
| <b>IBAN</b>   | GR5801000230000000000200542  |                                 |                  |
| <b>Address of the main department carrying out the work</b> |  |                                 |                  |
| <b>Institute/Department/<br/>Laboratory Name</b>            | General Secretariat of Telecommunications and Post   |                                 |                  |
| <b>Street Name and No.</b>                                  | 11, str. Fragoudi & Al. Pantou   | <b>PO Box</b>                   | N/A              |
| <b>Post Code</b>  | 10163  | <b>Town/City</b>                | Kallithea Athens |
| <b>Country Code</b>   | EL   | <b>Country Name</b>             | Greece           |
| <b>Authorized contact person / Team Leader 1</b>            |  |                                 |                  |
| <b>Title</b>  | Dr   | <b>Gender: Female=F, Male=M</b> | M                |
| <b>Family Name</b>  | Kagklis  | <b>First Name</b>               | Dimitrios        |
| <b>Position</b>   | Head of Directorate of Wireless Communications, 5G Networks and Space  |                                 |                  |
| <b>WP leader</b>  |  |                                 |                  |
| <b>Task leader</b>  |  |                                 |                  |
| <b>Organisation Legal Name</b>                              | Ministry of Digital Governance   |                                 |                  |
| <b>Department/Room No.</b>                                  |  |                                 |                  |
| <b>Street Name and No.</b>                                  | 11, str. Fragoudi & Al. Pantou   | <b>PO Box</b>                   | N/A              |
| <b>Post Code</b>  | 10163  | <b>Town/City</b>                | Kallithea Athens |
| <b>Country Code</b>   | EL   | <b>Country Name</b>             | Greece           |
| <b>Telephone No</b>   | +302109098874  | <b>Fax No.</b>                  |                  |
| <b>E-mail</b>   | d.kagklis@mindigital.gr  | <b>Mobile</b>                   |                  |
| <b>Curriculum Vitae</b>                                     | As above.  |                                 |                  |
| <b>Financial Manager</b>                                    |  |                                 |                  |
| <b>Title</b>  | Dr   | <b>Gender: Female=F, Male=M</b> | M                |
| <b>Family Name</b>  | Kalyviotis   | <b>First Name</b>               | Dimitrios        |
| <b>Position</b>   | Policy Officer at Broadband Department   |                                 |                  |
| <b>Activity leader</b>                                      |  |                                 |                  |
| <b>Task leader</b>  |  |                                 |                  |
| <b>Organisation Legal Name</b>                              | Ministry of Digital Governance   |                                 |                  |
| <b>Department/Room No.</b>                                  |  |                                 |                  |
| <b>Street Name and No.</b>                                  | 11, str. Fragoudi & Al. Pantou   | <b>PO Box</b>                   | N/A              |
| <b>Post Code</b>  | 10163  | <b>Town/City</b>                | Kallithea Athens |
| <b>Country Code</b>   | EL   | <b>Country Name</b>             | Greece           |
| <b>Telephone No</b>   | 0030 2109098897  | <b>Fax No.</b>                  |                  |
| <b>E-mail</b>   | d.kalyviotis@mindigital.gr   | <b>Mobile</b>                   |                  |
| <b>Curriculum Vitae</b>                                     | Dimitrios Kalyviotis holds a Degree in Law from the National and Kapodistrian University of Athens. He holds a MSc in criminal sciences. He has worked as a lawyer from 2000 until 2008. He attended the National School of Public Administration from 2008 until 2010 and since then he has worked for the Greek Public Administration. He works at the Broadband Department of General Secretariat for Telecommunications and Post since 2021. |                                 |                  |

| Other personnel                |   |                                 |                  |
|--------------------------------|---|---------------------------------|------------------|
| <b>Title</b>                   | Mrs.  | <b>Gender: Female=F, Male=M</b> | F                |
| <b>Family Name</b>             | Papathanasopoulou   | <b>First Name</b>               | Sophia           |
| <b>Position</b>                | Head of Broadband Department  |                                 |                  |
| <b>Activity leader</b>         |   |                                 |                  |
| <b>Task leader</b>             |   |                                 |                  |
| <b>Organisation Legal Name</b> | Ministry of Digital Governance  |                                 |                  |
| <b>Department/Room No.</b>     |   |                                 |                  |
| <b>Street Name and No.</b>     | 11, str. Fragoudi & Al. Pantou  | <b>PO Box</b>                   | N/A              |
| <b>Post Code</b>               | 10163   | <b>Town/City</b>                | Kallithea Athens |
| <b>Country Code</b>            | EL  | <b>Country Name</b>             | Greece           |
| <b>Telephone No</b>            | 0030 2109098891   | <b>Fax No.</b>                  |                  |
| <b>E-mail</b>                  | s.papathanasop@mindigital.gr  | <b>Mobile</b>                   |                  |
| <b>Curriculum Vitae</b>        | <p>Sophia Papathanasopoulou holds a Master's Degree in Electrical Engineering from the School of Electrical and Computer Engineering of the National Technical University of Athens (NTUA). After her 14-year experience as a Senior Engineer at the biggest telecommunications industry in Greece, in 2009 she joined the public sector and was enrolled in the General Secretariat of Telecommunications and Post of the Ministry of Transport and Communications. She is Head of the Broadband Unit and her duties are mainly the creation of the institutional framework for the development of broadband, the transposition of European Legislation and Directives to the National Legal Framework and the representation of the Greek Government in National and International Organizations. She is Head of the National Delegation at ETSI and Deputy Head at the Council of ITU.</p> |                                 |                  |

## 3.3 NKUA

| <b>ETHNIKO KAI KAPODISTRIAKO PANEPISTIMIO ATHINON (NKUA) coordinates</b>   |   |                                 |          |
|--|---|---------------------------------|----------|
| <b>Legal information on the participating organisation</b>   |   |                                 |          |
| <b>Participant Role</b>  | Beneficiary   | <b>Beneficiary No</b>           | 3        |
| <b>Organisation Legal Name</b>   | ETHNIKO KAI KAPODISTRIAKO PANEPISTIMIO ATHINON      | <b>Short Name</b>               | NKUA     |
| <b>Legal Registration No.</b>  |   | <b>VAT No.</b>                  |          |
| <b>Internet homepage</b>   | <a href="https://en.uoa.gr/">https://en.uoa.gr/</a> | <b>Cost Basis</b>               |          |
| <b>Legal Address of the organisation</b>   |   |                                 |          |
| <b>Street Name and No.</b>   | 6 Christou Lada Str.                                | <b>PO Box</b>                   |          |
| <b>Post Code</b>   | 10561   | <b>Town/City</b>                | Athens   |
| <b>Cedex</b>   |   | <b>Country Name</b>             | Greece   |
| <b>Organisation profile</b>  |   |                                 |          |
| <p>The Optical Communications and Photonics Technology Lab of the Department of Informatics and Telecommunications will be responsible for the participation of the NKUA in the project. The Lab was founded in late 80's and had strong contributions to all phases of the evolution of photonic components, subsystems, optical communication systems and networks through participation in numerous EU and National Research and Development projects. In the field of optical physical layer security the Lab has extensive activities for more than 20 years working on encryption techniques based on chaotic optical carriers. In this respect it has achieved major breakthroughs e.g in the first demonstration of these concepts operating in installed optical fiber infrastructure. Recently the Lab is active in developing Physical Unclonable Function devices and techniques for cryptographic key generation, as well as authentication. Concerning Quantum Technologies, the Lab together with Space Hellas has demonstrated the first QKD link in the NIS premises using IDQ terminals in a QGOV project in the framework of the EU OPENQKD initiative. The Lab has also just obtained two pairs of QKD terminals (Toshiba operating in the O band) and is in the process of developing QKD networking activities in both dark fiber and in fiber carrying WDM traffic. Moreover, the Lab through its collaboration with the NIS and MinDig will investigate the interplay between QKD systems and Governmental Mil.Cerified. encryption systems. Academic members of the group have also previously demonstrated field deployed dynamic QKD networks and active entanglement distribution.</p> |   |                                 |          |
| <b>First Authorised Legal Person for the purpose of contract signature</b>   |   |                                 |          |
| <b>Title</b>   | Prof.   | <b>Gender: Female=F, Male=M</b> | M        |
| <b>Family Name</b>   | Voulgaris   | <b>First Name</b>               | Nikolaos |
| <b>Position</b>  | Vice Rector of Research and Lifelong Learning       |                                 |          |
| <b>Telephone No</b>  |   | <b>Fax No.</b>                  |          |
| <b>E-mail</b>  |   | <b>Mobile</b>                   |          |
| <b>Curriculum Vitae</b>  |   |                                 |          |
| <b>Banking Information</b>   |   |                                 |          |
| <b>Name of Bank</b>  | ALPHA BANK  |                                 |          |
| <b>Street Name and No.</b>   | 40 Stadiou Str.                                     | <b>PO Box</b>                   |          |
| <b>Post Code</b>   |   | <b>Town/City</b>                | Athens   |
| <b>Country Code</b>  | EL  | <b>Country Name</b>             | Greece   |

|   |   |                                 |                |
|---|---|---------------------------------|----------------|
| <b>Swift Code</b>   |   | <b>Sort Code</b>                |                |
| <b>BIC</b>  | CRBAGRAA  |                                 |                |
| <b>Account Number</b>                                       |   |                                 |                |
| <b>IBAN</b>   | GR0301408020802002001000227   |                                 |                |
| <b>Address of the main department carrying out the work</b> |   |                                 |                |
| <b>Institute/Department/Laboratory Name</b>                 | Optical Communications and Photonics Technology Lab of the Department of Informatics and Telecommunications   |                                 |                |
| <b>Street Name and No.</b>                                  |   | <b>PO Box</b>                   | N/A            |
| <b>Post Code</b>  |   | <b>Town/City</b>                | Athens         |
| <b>Country Code</b>   | EL  | <b>Country Name</b>             | Greece         |
| <b>Authorised contact person / Team Leader 1</b>            |   |                                 |                |
| <b>Title</b>  | Prof.   | <b>Gender: Female=F, Male=M</b> | M              |
| <b>Family Name</b>  | Syvridis  | <b>First Name</b>               | Dimitrios      |
| <b>Position</b>   | Professor   |                                 |                |
| <b>WP leader</b>  |   |                                 |                |
| <b>Task leader</b>  |   |                                 |                |
| <b>Organisation Legal Name</b>                              | ETHNIKO KAI KAPODISTRIAKO PANEPISTIMIO ATHINON  |                                 |                |
| <b>Department/Room No.</b>                                  | Optical Communications and Photonics Technology Lab   |                                 |                |
| <b>Street Name and No.</b>                                  | 6 Christou Lada Str.  | <b>PO Box</b>                   | N/A            |
| <b>Post Code</b>  | 10561   | <b>Town/City</b>                | Athens         |
| <b>Country Code</b>   | EL  | <b>Country Name</b>             | Greece         |
| <b>Telephone No</b>   |   | <b>Fax No.</b>                  |                |
| <b>E-mail</b>   | dsyvridi@di.uoa.gr  | <b>Mobile</b>                   |                |
| <b>Curriculum Vitae</b>                                     | Dr. Dimitris Syvridis is Professor in the Dept. Of Informatics and Telecommunications of the NKUA since 2006 and Head of the Optical Communications and Photonics Technologies Lab (ISO / EN 45000 certified, fully equipped with state-of-the-art instruments for photonic and RF/Microwave measurements). He is involved in the area of Photonics for more than 30 years covering the fields of optical communications and sensing. |                                 |                |
| <b>Other personnel</b>                                      |   |                                 |                |
| <b>Title</b>  | Prof.   | <b>Gender: Female=F, Male=M</b> | M              |
| <b>Family Name</b>  | Kanellos  | <b>First Name</b>               | George         |
| <b>Position</b>   | Professor   |                                 |                |
| <b>Activity leader</b>                                      | WP4   |                                 |                |
| <b>Task leader</b>  | T2.1  | T3.1                            | T4.2 T4.4 T5.4 |
| <b>Organisation Legal Name</b>                              | ETHNIKO KAI KAPODISTRIAKO PANEPISTIMIO ATHINON  |                                 |                |
| <b>Department/Room No.</b>                                  | Optical Communications and Photonics Technology Lab   |                                 |                |
| <b>Street Name and No.</b>                                  | 6 Christou Lada Str.  | <b>PO Box</b>                   | N/A            |
| <b>Post Code</b>  | 10561   | <b>Town/City</b>                | Athens         |
| <b>Country Code</b>   | EL  | <b>Country Name</b>             | Greece         |
| <b>Telephone No</b>   |   | <b>Fax No.</b>                  |                |
| <b>E-mail</b>   | gtkanellos@di.uoa.gr  | <b>Mobile</b>                   |                |



|                         |   |
|-------------------------|---|
| <b>Curriculum Vitae</b> | Quantum Communications and Networks Expert, recently elected as Assistant Professor with the NKUA and affiliated with the Optical Communications and Photonics Technologies Lab of the Department of Informatics. As a Senior Lecturer with the University of Bristol he served as WP7 leader on Quantum Networking in the Quantum flagship project UNIQORN, as co-I for UKRI Quantum Communications Hub PhaseII and as a PI for the EPSRC Airguide Photonics – Collaboration Fund Award “Hollow core fiber for quantum secured short optical WDM links”. |
|-------------------------|---|

## 3.4 AUTH

| <b>ARISTOTELIO PANEPISTIMIO THESSALONIKIS (AUTH) coordinates</b>  |   |                                 |              |
|---|---|---------------------------------|--------------|
| <b>Legal information on the participating organisation</b>  |   |                                 |              |
| <b>Participant Role</b>   | Beneficiary   | <b>Beneficiary No</b>           | 4            |
| <b>Organisation Legal Name</b>  | ARISTOTELIO PANEPISTIMIO THESSALONIKIS  | <b>Short Name</b>               | AUTH         |
| <b>Legal Registration No.</b>   |   | <b>VAT No.</b>                  | EL 090049627 |
| <b>Internet homepage</b>  | www.auth.gr   | <b>Cost Basis</b>               |              |
| <b>Legal Address of the organisation</b>  |   |                                 |              |
| <b>Street Name and No.</b>  | KEDEA BUILDING, TRITIS SEPTEMVRIOU, ARISTOTLE UNIVERSITY OF THESSALONIKI              | <b>PO Box</b>                   |              |
| <b>Post Code</b>  | 54636   | <b>Town/City</b>                | THESSALONIKI |
| <b>Cedex</b>  | -   | <b>Country Name</b>             | GREECE       |
| <b>Organisation profile</b>   |   |                                 |              |
| <p>AUTH will be involved with two groups in HellasQCI project: WinPhos research group and Astrophysics Astronomy &amp; Mechanics (AAM) team from the Physics department. The WinPhos research group is an inter-disciplinary collaborative research environment between the Departments of Physics, Informatics and Electrical and Computer Engineering at AUTH, with the main goal to carry out interdisciplinary research in the fields of photonic related technologies. The group is equipped with world-class laboratories, including state of the art high-speed optical interconnect and 5G mmWave testbeds and Photonic Integrated Circuit experimental characterization platforms. It has been at the forefront of world research and development in the field of Applications of integrated photonics and plasmonics, optical interconnects for DataCenters and High-Performance Computing, optics for computing, Neuromorphic Photonics, Optical Beam formers and Photonic Quantum Random Generators. The Holomontas telescope is managed by the AAM team. The team has experience in satellite tracking observations and had a leading role in the sensor Calibration Campaigns. The group participates also in the ESA-funded European Optical Network (EON) SST project, as well as other ESA- and EC-funded projects, related to near-Earth objects and planetary defence. AUTH/WinPhos in collaboration with other groups of HellasQCI will determine the operational conditions for successful QKD exchange between AUTH sites and Holomontas telescope.</p> |   |                                 |              |
| <b>First Authorised Legal Person for the purpose of contract signature</b>  |   |                                 |              |
| <b>Title</b>  | Prof.   | <b>Gender: Female=F, Male=M</b> | M            |
| <b>Family Name</b>  | STYLIANIDIS   | <b>First Name</b>               | EFSTRATIOS   |
| <b>Position</b>   | VICE RECTOR   |                                 |              |
| <b>Telephone No</b>   | 2310-995973   | <b>Fax No.</b>                  |              |
| <b>E-mail</b>   | sstyl@auth.gr   | <b>Mobile</b>                   |              |
| <b>Curriculum Vitae</b>   | <a href="https://www.auth.gr/en/vrect-rc-cv/">https://www.auth.gr/en/vrect-rc-cv/</a> |                                 |              |
| <b>Banking Information</b>  |   |                                 |              |
| <b>Name of Bank</b>   | Piraeus Bank  |                                 |              |
| <b>Street Name and No.</b>  | 18 AGGELAKI STR.  | <b>PO Box</b>                   |              |
| <b>Post Code</b>  | 54124   | <b>Town/City</b>                | THESSALONIKI |

|   |   |                                 |                      |
|---|---|---------------------------------|----------------------|
| <b>Country Code</b>   | EL  | <b>Country Name</b>             | GREECE               |
| <b>Swift Code</b>   | PIRBGAA   | <b>Sort Code</b>                |                      |
| <b>BIC</b>  | PIRBGAA   |                                 |                      |
| <b>Account Number</b>                                       |   |                                 |                      |
| <b>IBAN</b>   | GR4501722020005202002079917   |                                 |                      |
| <b>Address of the main department carrying out the work</b> |   |                                 |                      |
| <b>Institute/Department/<br/>Laboratory Name</b>            | SCHOOL OF PHYSICS   |                                 |                      |
| <b>Street Name and No.</b>                                  | ARISTOTLE UNIVERSITY<br>CAMPUS  | <b>PO Box</b>                   | N/A                  |
| <b>Post Code</b>  | 54624   | <b>Town/City</b>                | THESSALONIKI         |
| <b>Country Code</b>   | EL  | <b>Country Name</b>             | GREECE               |
| <b>Authorised contact person / Team Leader 1</b>            |   |                                 |                      |
| <b>Title</b>  | Prof.   | <b>Gender: Female=F, Male=M</b> | M                    |
| <b>Family Name</b>  | VYRSOKINOS  | <b>First Name</b>               | KONSTANTINOS         |
| <b>Position</b>   | ASSOCIATE PROFESSOR   |                                 |                      |
| <b>WP leader</b>  | WP5   |                                 |                      |
| <b>Task leader</b>  | T5.1  |                                 |                      |
| <b>Organisation Legal<br/>Name</b>                          | ARISTOTELIO PANEPISTIMIO THESSALONIKIS  |                                 |                      |
| <b>Department/Room No.</b>                                  | SCHOOL OF PHYSICS/SOLID STATE PHYSICS DEPARTMENT  |                                 |                      |
| <b>Street Name and No.</b>                                  | CENTER FOR INTERDISCIPLINARY<br>RESEARCH, BALKAN CENTER,<br>BUILDING A, 10TH KM<br>THESSALONIKI THERMI                  | <b>PO Box</b>                   | N/A                  |
| <b>Post Code</b>  | 57001   | <b>Town/City</b>                | THERMI, THESSALONIKI |
| <b>Country Code</b>   | EL  | <b>Country Name</b>             | GREECE               |
| <b>Telephone No</b>   | +30 2310-990590   | <b>Fax No.</b>                  |                      |
| <b>E-mail</b>   | KV@AUTH.GR  | <b>Mobile</b>                   |                      |
| <b>Curriculum Vitae</b>                                     | <a href="https://www.physics.auth.gr/en/sections/3/people/210">https://www.physics.auth.gr/en/sections/3/people/210</a> |                                 |                      |
| <b>Other personnel</b>                                      |   |                                 |                      |
| <b>Title</b>  | Dr  | <b>Gender: Female=F, Male=M</b> | M                    |
| <b>Family Name</b>  | TSIGANIS  | <b>First Name</b>               | MENIOS               |
| <b>Position</b>   | PROFESSOR   |                                 |                      |
| <b>Activity leader</b>                                      |   |                                 |                      |
| <b>Task leader</b>  |   |                                 |                      |
| <b>Organisation Legal<br/>Name</b>                          | ARISTOTELIO PANEPISTIMIO THESSALONIKIS  |                                 |                      |
| <b>Department/Room No.</b>                                  | SCHOOL OF PHYSICS/ASTROPHYSICS ASTRONOMY AND MECHANICS  |                                 |                      |

|                            |   |                     |              |
|----------------------------|---|---------------------|--------------|
| <b>Street Name and No.</b> | SCHOOL OF PHYSICS,<br>ARISTOTLE UNIVERSITY<br>CAMPUS                          | <b>PO Box</b>       | N/A          |
| <b>Post Code</b>           | 54636   | <b>Town/City</b>    | THESSALONIKI |
| <b>Country Code</b>        | EL  | <b>Country Name</b> | GREECE       |
| <b>Telephone No</b>        | +30 2310-998963   | <b>Fax No.</b>      |              |
| <b>E-mail</b>              | TSIGANIS@AUTH.GR  | <b>Mobile</b>       |              |
| <b>Curriculum Vitae</b>    | <a href="https://users.auth.gr/tsiganis/">https://users.auth.gr/tsiganis/</a> |                     |              |

## 3.5 FORTH

| Foundation for Research and Technology - Hellas (FORTH) coordinates   |   |                                 |           |
|---|---|---------------------------------|-----------|
| <b>Legal information on the participating organisation</b>  |   |                                 |           |
| <b>Participant Role</b>   | Beneficiary   | <b>Beneficiary No</b>           | 5         |
| <b>Organisation Legal Name</b>  | Foundation for Research and Technology - Hellas   | <b>Short Name</b>               | FORTH     |
| <b>Legal Registration No.</b>   | 077049527000  | <b>VAT No.</b>                  | 090101655 |
| <b>Internet homepage</b>  | www.forth.gr  | <b>Cost Basis</b>               |           |
| <b>Legal Address of the organisation</b>  |   |                                 |           |
| <b>Street Name and No.</b>  | Nikolaou Plastira 100   | <b>PO Box</b>                   | N/A       |
| <b>Post Code</b>  | GR-70013  | <b>Town/City</b>                | Heraklion |
| <b>Cedex</b>  |   | <b>Country Name</b>             | Greece    |
| <b>Organisation profile</b>   |   |                                 |           |
| <p>The Foundation for Research and Technology - Hellas (FORTH) was founded in 1983. It is one of the largest research centers in Greece with well-organized facilities, highly qualified personnel and a reputation as a top-level research institution worldwide. FORTH conducts specialized scientific research in strategic high-added value sectors, focusing on interdisciplinary research and development (R&amp;D) activities in areas of major scientific, societal and economic interest, such as: Lasers and Photonics, Microelectronics, Advanced Materials / Nanotechnology, Molecular Biology and Genetics, Biotechnology, Computer Science, Bioinformatics, Precision Medicine, Systems Biology, Robotics, Telecommunications, Applied and Computational Mathematics, Chemical Engineering Sciences, Energy, Environment, Social Sciences &amp; Humanities, Astrophysics and Astronomy. FORTH comprises ten Research Institutes. Its headquarters and central administration are based in Heraklion, Crete.</p> |   |                                 |           |
| <b>First Authorised Legal Person for the purpose of contract signature</b>  |   |                                 |           |
| <b>Title</b>  | Prof.   | <b>Gender: Female=F, Male=M</b> | M         |
| <b>Family Name</b>  | Tavernarakis  | <b>First Name</b>               | Nektarios |
| <b>Position</b>   | Professor   |                                 |           |
| <b>Telephone No</b>   | +30 2810 391102   | <b>Fax No.</b>                  |           |
| <b>E-mail</b>   | tavernarakis@imbb.forth.gr  | <b>Mobile</b>                   |           |
| <b>Curriculum Vitae</b>   | <p>Nektarios Tavernarakis is the Chairman of the Board of Directors at the Foundation for Research and Technology-Hellas (FORTH), Research Director at the Institute of Molecular Biology and Biotechnology (IMBB), and Professor of Molecular Systems Biology at the Medical School of the University of Crete, in Heraklion, Greece. He is the Founder and first Director of the Graduate Program on Bioinformatics at the Medical School of the University of Crete, and is also heading the Neurogenetics and Ageing laboratory of IMBB. He is Chairman of the European Institute of Innovation and Technology (EIT) Governing Board and Executive Committee, and corresponding member of the Academy of Athens. He is also a member of the American Association for the Advancement of Science (AAAS), the European Molecular Biology Organization (EMBO), the German National Academy of Sciences (Leopoldina), the European Academy of Sciences and Arts (EASA), and Academia Europaea. He has served as a member and Vice President of the Scientific Council of the European Research Council (ERC), and Director of the Institute of Molecular Biology and Biotechnology.</p> |                                 |           |

| Banking Information                                  |   |                                 |                  |
|--|---|---------------------------------|------------------|
| <b>Name of Bank</b>                                  | Piraeus Bank S.A.   |                                 |                  |
| <b>Street Name and No.</b>                           | Nikolaou Plastira 100,<br>Vassilika Vouton  | <b>PO Box</b>                   |                  |
| <b>Post Code</b>                                     | GR-71110  | <b>Town/City</b>                | Heraklion, Crete |
| <b>Country Code</b>                                  | EL  | <b>Country Name</b>             | Greece           |
| <b>Swift Code</b>                                    |   | <b>Sort Code</b>                |                  |
| <b>BIC</b>   | PIRBGAA   |                                 |                  |
| <b>Account Number</b>                                |   |                                 |                  |
| <b>IBAN</b>  | GR9001727550005755076921562   |                                 |                  |
| Address of the main department carrying out the work |   |                                 |                  |
| <b>Institute/Department/<br/>Laboratory Name</b>     | Institute of Electronic Structure and Laser (IESL)  |                                 |                  |
| <b>Street Name and No.</b>                           | Nikolaou Plastira 100   | <b>PO Box</b>                   | N/A              |
| <b>Post Code</b>                                     | 71110   | <b>Town/City</b>                | Heraklion        |
| <b>Country Code</b>                                  | EL  | <b>Country Name</b>             | Greece           |
| Authorised contact person / Team Leader 1            |   |                                 |                  |
| <b>Title</b>   | Dr.   | <b>Gender: Female=F, Male=M</b> | M                |
| <b>Family Name</b>                                   | Nikolopoulos  | <b>First Name</b>               | Georgios         |
| <b>Position</b>                                      | Principal Researcher  |                                 |                  |
| <b>WP leader</b>                                     |   |                                 |                  |
| <b>Task leader</b>                                   |   |                                 |                  |
| <b>Organisation Legal Name</b>                       | Foundation for Research and Technology - Hellas (FORTH)   |                                 |                  |
| <b>Department/Room No.</b>                           | Institute of Electronic Structure and Laser (IESL)  |                                 |                  |
| <b>Street Name and No.</b>                           | Nikolaou Plastira 100   | <b>PO Box</b>                   | N/A              |
| <b>Post Code</b>                                     | 70013   | <b>Town/City</b>                | Heraklion        |
| <b>Country Code</b>                                  | EL  | <b>Country Name</b>             | Greece           |
| <b>Telephone No</b>                                  | +30 2810 391005   | <b>Fax No.</b>                  |                  |
| <b>E-mail</b>  | nikolg@iesl.forth.gr  | <b>Mobile</b>                   |                  |
| <b>Curriculum Vitae</b>                              | Physicist, PhD, Principal Researcher at IESL - FORTH. Merkator Fellow in SFB 1119 CROSSING program for "Cryptography-Based Security Solutions: Enabling Trust in New and Next Generation Computing Environments." In the past: Researcher in FP6 IP SECOQC: "Development of a Global Network for Secure Communication based on Quantum Cryptography". |                                 |                  |
| Financial Manager                                    |   |                                 |                  |
| <b>Title</b>   | Ms.   | <b>Gender: Female=F, Male=M</b> | F                |
| <b>Family Name</b>                                   | Papatheodorou   | <b>First Name</b>               | Zinovia          |
| <b>Position</b>                                      | Head of Project Monitoring and Management Office at FORTH   |                                 |                  |
| <b>Activity leader</b>                               |   |                                 |                  |
| <b>Task leader</b>                                   |   |                                 |                  |

|                                |  |                                 |           |
|--------------------------------|--|---------------------------------|-----------|
| <b>Organisation Legal Name</b> | Foundation for Research and Technology - Hellas (FORTH)  |                                 |           |
| <b>Department/Room No.</b>     |  |                                 |           |
| <b>Street Name and No.</b>     | Nikolaou Plastira 100  | <b>PO Box</b>                   | N/A       |
| <b>Post Code</b>               | 70013  | <b>Town/City</b>                | Heraklion |
| <b>Country Code</b>            | EL   | <b>Country Name</b>             | Greece    |
| <b>Telephone No</b>            | +302810391522  | <b>Fax No.</b>                  | N/A       |
| <b>E-mail</b>                  | papatheo@admin.forth.gr  | <b>Mobile</b>                   |           |
| <b>Curriculum Vitae</b>        |  |                                 |           |
| <b>Other personnel</b>         |  |                                 |           |
| <b>Title</b>                   | Prof.  | <b>Gender: Female=F, Male=M</b> | F         |
| <b>Family Name</b>             | Markatos   | <b>First Name</b>               | Evangelos |
| <b>Position</b>                | Professor  |                                 |           |
| <b>Activity leader</b>         |  |                                 |           |
| <b>Task leader</b>             | T3.4   | T3.5                            | T5.3      |
| <b>Organisation Legal Name</b> | Foundation for Research and Technology - Hellas (FORTH)  |                                 |           |
| <b>Department/Room No.</b>     | Institute of Computer Science (ICS)  |                                 |           |
| <b>Street Name and No.</b>     | Nikolaou Plastira 100  | <b>PO Box</b>                   | N/A       |
| <b>Post Code</b>               | GR-70013   | <b>Town/City</b>                | Heraklion |
| <b>Country Code</b>            | EL   | <b>Country Name</b>             | Greece    |
| <b>Telephone No</b>            |  | <b>Fax No.</b>                  | N/A       |
| <b>E-mail</b>                  | markatos@ics.forth.gr  | <b>Mobile</b>                   |           |
| <b>Curriculum Vitae</b>        | Evangelos Markatos is professor of Computer Science at the University of Crete and head of the "Distributed Computing Systems and CyberSecurity Lab" at ICS-FORTH. Prof. Markatos has coordinated (or participated in leading roles in) several Research and Innovation projects, funded in part by the EU and the private sector. |                                 |           |
| <b>Title</b>                   | Prof.  | <b>Gender: Female=F, Male=M</b> | M         |
| <b>Family Name</b>             | Charmandaris   | <b>First Name</b>               | Vassilis  |
| <b>Position</b>                | Professor  |                                 |           |
| <b>Activity leader</b>         |  |                                 |           |
| <b>Task leader</b>             |  |                                 |           |
| <b>Organisation Legal Name</b> | Foundation for Research and Technology - Hellas (FORTH)  |                                 |           |
| <b>Department/Room No.</b>     | Institute of Astrophysics (IA)   |                                 |           |
| <b>Street Name and No.</b>     | Nikolaou Plastira 100  |                                 |           |
| <b>Post Code</b>               | GR-70013   | <b>Town/City</b>                | Heraklion |
| <b>Country Code</b>            | EL   | <b>Country Name</b>             | Greece    |
| <b>Telephone No</b>            |  | <b>Fax No.</b>                  | N/A       |
| <b>E-mail</b>                  | vassilis@physics.uoc.gr  | <b>Mobile</b>                   |           |

|                         |   |
|-------------------------|---|
| <b>Curriculum Vitae</b> | Vassilis Charmandaris is professor of observational astrophysics, and Director of IA-FORTH. Moreover, he is Director of Skinakas Observatory, which will serve as an OGS in the framework of HellasQCI. |
|-------------------------|---|



## 3.6 NCSR

| National Centre for Scientific Research Demokritos (NCSR) coordinates  |   |                                 |                |
|--|---|---------------------------------|----------------|
| <b>Legal information on the participating organisation</b>   |   |                                 |                |
| <b>Participant Role</b>  | Beneficiary   | <b>Beneficiary No</b>           | 6              |
| <b>Organisation Legal Name</b>   | National Centre for Scientific Research Demokritos  | <b>Short Name</b>               | NCSR           |
| <b>Legal Registration No.</b>  | 999978239   | <b>VAT No.</b>                  | 090085651      |
| <b>Internet homepage</b>   | www.demokritos.gr   | <b>Cost Basis</b>               |                |
| <b>Legal Address of the organisation</b>   |   |                                 |                |
| <b>Street Name and No.</b>   | Patr. Gregoriou E & 27 Neapoleos Str  | <b>PO Box</b>                   | 60037          |
| <b>Post Code</b>   | 15341   | <b>Town/City</b>                | Agia Paraskevi |
| <b>Cedex</b>   | -   | <b>Country Name</b>             | GREECE         |
| <b>Organisation profile</b>  |   |                                 |                |
| <p>National Centre of Scientific Research "Demokritos" (NCSR): NCSR is a self-governing research organization under the supervision of the Greek Government (the biggest research centre in applied sciences and engineering in Greece). The Institute of Informatics and Telecommunications of NCSR is a leading organization in Greece for AI, IoT, 5G and computing algorithms, developing specialized software and the scientists working in RF telecommunication area with the expertise to design and characterize RF components which are necessary for the operation of many quantum devices. NCSR as one of the largest multidisciplinary research institutes in Europe will bring into the HellasQCI all the necessary expertise to support HellasQCI in standardisation activities (Lead T3.4), dissemination activities (Lead WP6) and in technical expertise regarding quantum communications. More specifically NCSR is member of SDOs (Cen/CENLEC FGQT and actively participated in ITU QIN group). NCSR will lead the dissemination, communication and exploitation activity exploiting its expertise in the domain since NCSR (Innovation Office) and the knowledge management unit lead relevant EU projects and maintain tight relations with a large pool of industrial partners for networking, dissemination and exploitation activities. Furthermore NCSR has direct access to various European Quantum alliances since its Spin Off company Syndesis Ltd is member of QuIC. Furthermore, through the OPENQKD pilot project, NCSR team of researchers enriched their expertise with mathematical and modelling knowledge and technical expertise regarding QKD systems. Furthermore, a new Quantum Institute in NCSR will promote excellence in quantum communications, quantum informatics and relevant technologies at a world-class level.</p> |   |                                 |                |
| <b>First Authorised Legal Person for the purpose of contract signature</b>   |   |                                 |                |
| <b>Title</b>   | Dr.   | <b>Gender: Female=F, Male=M</b> | M              |
| <b>Family Name</b>   | Nounesis  | <b>First Name</b>               | George         |
| <b>Position</b>  | Director & Chairman of the Board of NCSR Demokritos   |                                 |                |
| <b>Telephone No</b>  | 00302106503018  | <b>Fax No.</b>                  |                |
| <b>E-mail</b>  | president@central.demokritos.gr   | <b>Mobile</b>                   |                |
| <b>Curriculum Vitae</b>  | <p>George Nounesis is the Director &amp; Chairman of the Board of the National Centre for Scientific Research "Demokritos" since 2017. Dr. Nounesis studied Physics at the National and Kapodistrian University of Athens. He obtained his PhD at the School of Physics and Astronomy of the University of Minnesota. He completed a three-year Postdoctoral training at the Chemistry Department of the Massachusetts Institute of Technology and the Executive Education Program on "Innovation</p> |                                 |                |

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|---|--|---------------------------------|-----------------------|
| <p>for Economic Development” at the Harvard Kennedy School of Government. He is currently the Director of the Biomolecular Physics Laboratory at Demokritos.<br/>         Prior to returning to Greece he held Research Staff appointments at the Center for Materials Science and Engineering at MIT and at the Francis Bitter National Magnet Laboratory. He has spent sabbatical leaves at the Centre de Recherche Paul Pascal at CNRS and the Chemistry Department of the University of Bordeaux I as an Invited Professor. His research is mainly focused on structural and thermodynamic studies of nano-structured soft materials as well as biomolecules, primarily proteins. For his work he has received awards and distinctions from the American Society for Reproductive Medicine, the John S. Latsis Public Benefit Foundation, the Empirikion Foundation, the United States Department of the Navy and the Graduate School of the University of Minnesota. He serves as an Expert Reviewer of several National and International Research Funding Organizations in the European Commission, the USA (NSF), Poland, Turkey, Belgium and Greece.</p> |  |                                 |                       |
| <b>Banking Information</b>  |  |                                 |                       |
| <b>Name of Bank</b>   | PIRAEUS BANK   |                                 |                       |
| <b>Street Name and No.</b>  |  | <b>PO Box</b>                   |                       |
| <b>Post Code</b>  | 15342  | <b>Town/City</b>                | AGIA PARASKEVI/ATHENS |
| <b>Country Code</b>   | EL   | <b>Country Name</b>             | Greece                |
| <b>Swift Code</b>   | PIRBGRAA   | <b>Sort Code</b>                |                       |
| <b>BIC</b>  |  |                                 |                       |
| <b>Account Number</b>   |  |                                 |                       |
| <b>IBAN</b>   | GR50 0172 0090 0050 0910 8438 776  |                                 |                       |
| <b>Address of the main department carrying out the work</b>   |  |                                 |                       |
| <b>Institute/Department/Laboratory Name</b>   | Division of Applied Technologies 1st floor   |                                 |                       |
| <b>Street Name and No.</b>  | Patr. Gregoriou E & 27 Neapoleos Str   | <b>PO Box</b>                   | N/A                   |
| <b>Post Code</b>  |  | <b>Town/City</b>                | AGIA PARASKEVI/ATHENS |
| <b>Country Code</b>   | EL   | <b>Country Name</b>             | GREECE                |
| <b>Authorised contact person / Team Leader 1</b>  |  |                                 |                       |
| <b>Title</b>  | Dr   | <b>Gender: Female=F, Male=M</b> | M                     |
| <b>Family Name</b>  | Papadopoulos   | <b>First Name</b>               | Homer                 |
| <b>Position</b>   | Director of Applied Science  |                                 |                       |
| <b>WP leader</b>  | WP6  |                                 |                       |
| <b>Task leader</b>  | T4.3   | T6.3                            |                       |
| <b>Organisation Legal Name</b>  | National Centre for Scientific Research Demokritos   |                                 |                       |
| <b>Department/Room No.</b>  | Division of Applied Technologies 1st floor   |                                 |                       |
| <b>Street Name and No.</b>  | Patr. Gregoriou E & 27 Neapoleos Str   | <b>PO Box</b>                   | N/A                   |
| <b>Post Code</b>  | 15341  | <b>Town/City</b>                | AGIA PARASKEVI/ATHENS |
| <b>Country Code</b>   | EL   | <b>Country Name</b>             | GREECE                |
| <b>Telephone No</b>   | 00302106503004   | <b>Fax No.</b>                  | 00302106514116        |
| <b>E-mail</b>   | homerpap@dat.demokritos.gr   | <b>Mobile</b>                   |                       |
| <b>Curriculum Vitae</b>   | Dr Homer Papadopoulos (M) holds a Physics degree and a Pre PhD on Telecommunications from the University of Athens and a Bio-design Graduate Certificate from Stanford University US. He has |                                 |                       |

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| <p>an MBA at Warwick University and he holds a PhD from IS/IT Department of Bath University UK. He is an experienced research and development manager with a demonstrated history of working in the research industry within the fields of e-services, AI and cybersecurity, mobile services and technologies and broadband telecommunication networks. He is Research Director of Applied Science in NCSR D and co-founder of Syndesis Ltd (www.syndesis.eu/) living and working in Athens. He is leading WP6 and T3.4 in HellasQCI. He was a mandated expert in CEN-CENELEC on behalf of Greece in the Standardisation working group on Quantum Technologies and co-leading the standardisation group in QuIC. He has successfully coordinated EU funded projects and he has published several papers in journals and international conferences.</p> |  |                                 |                          |
| <b>Financial Manager</b>   |  |                                 |                          |
| <b>Title</b>   | Ms.  | <b>Gender: Female=F, Male=M</b> | F                        |
| <b>Family Name</b>   | Fontara  | <b>First Name</b>               | Marina                   |
| <b>Position</b>  | Head of Department of Special Accounts   |                                 |                          |
| <b>Activity leader</b>   |  |                                 |                          |
| <b>Task leader</b>   |  |                                 |                          |
| <b>Organisation Legal Name</b>   | National Centre for Scientific Research Demokritos   |                                 |                          |
| <b>Department/Room No.</b>   | Division of Applied Technologies 1st floor   |                                 |                          |
| <b>Street Name and No.</b>   | Patr. Gregoriou E & 27 Neapoleos Str   | <b>PO Box</b>                   | N/A                      |
| <b>Post Code</b>   | 15341  | <b>Town/City</b>                | AGIA<br>PARASKEVI/ATHENS |
| <b>Country Code</b>  | EL   | <b>Country Name</b>             | GREECE                   |
| <b>Telephone No</b>  | +30 210 650036   | <b>Fax No.</b>                  |                          |
| <b>E-mail</b>  | m.fontara@gel.demokritos.gr  | <b>Mobile</b>                   |                          |
| <b>Curriculum Vitae</b>  |  |                                 |                          |
| <b>Other personnel</b>   |  |                                 |                          |
| <b>Title</b>   | Dr.  | <b>Gender: Female=F, Male=M</b> | M                        |
| <b>Family Name</b>   | Korakis  | <b>First Name</b>               | Antonis                  |
| <b>Position</b>  | Collaborating Researcher   |                                 |                          |
| <b>Activity leader</b>   |  |                                 |                          |
| <b>Task leader</b>   |  |                                 |                          |
| <b>Organisation Legal Name</b>   | National Centre for Scientific Research Demokritos   |                                 |                          |
| <b>Department/Room No.</b>   | Division of Applied Technologies 1st floor   |                                 |                          |
| <b>Street Name and No.</b>   | Patr. Gregoriou E & 27 Neapoleos Str   | <b>PO Box</b>                   | N/A                      |
| <b>Post Code</b>   | 15341  | <b>Town/City</b>                | AGIA<br>PARASKEVI/ATHENS |
| <b>Country Code</b>  | EL   | <b>Country Name</b>             | GREECE                   |
| <b>Telephone No</b>  | +30 210 6503004  | <b>Fax No.</b>                  |                          |
| <b>E-mail</b>  | antoniskorakis@dat.demokritos.gr   | <b>Mobile</b>                   |                          |
| <b>Short Curriculum Vitae</b>  | MSc. Antonis Korakis (M) holds a degree of Bachelor of Engineering in Computer Systems Engineering from the University of Kent (UK). He proceeded in 2004 with a Master of Science in Broadband and Mobile Communication Networks from the University of Kent (UK) and in 2012 with a Master of Science in Electronic Engineering from the University of Kent (UK). Mr Korakis |                                 |                          |

|  |   |
|--|---|
|  | <p>was working, as a researcher under contract, for the Institute of Informatics and Telecommunications of the National Centre for Scientific Research “Demokritos” from 2003 to 2006. He has also been working since 2008, as a researcher under contract for the Division of Applied Technologies. He has experience in information systems, cloud-based networks and security, mobile communication and broadband systems. He participated in the OpenQKD pilot.</p> |
|--|---|

## 3.7 NOA

| <b>Ethniko Asteroskopeio Athinon - National Observatory of Athens (NOA) coordinates</b>   |   |                                 |           |
|---|---|---------------------------------|-----------|
| <b>Legal information on the participating organisation</b>  |   |                                 |           |
| <b>Participant Role</b>   | Beneficiary   | <b>Beneficiary No</b>           | 7         |
| <b>Organisation Legal Name</b>  | Ethniko Asteroskopeio Athinon - National Observatory of Athens      | <b>Short Name</b>               | NOA       |
| <b>Legal Registration No.</b>   | N/A   | <b>VAT No.</b>                  | 090050779 |
| <b>Internet homepage</b>  | www.noa.gr  | <b>Cost Basis</b>               |           |
| <b>Legal Address of the organisation</b>  |   |                                 |           |
| <b>Street Name and No.</b>  | Lofos Nymfon, Thision   | <b>PO Box</b>                   |           |
| <b>Post Code</b>  | 11810   | <b>Town/City</b>                | Athens    |
| <b>Cedex</b>  |   | <b>Country Name</b>             | Greece    |
| <b>Organisation profile</b>   |   |                                 |           |
| <p>NOA is the oldest research establishment in Greece, having been founded in 1842. It is a research center operating under public law rules and procedures and is supervised by the General Secretariat for Research and Technology of the Ministry of Development and Investments. With its highly skilled human resources and important infrastructure, NOA today plays an important role in various research fields, including Astronomy, Astrophysics, Space applications, at European and international level. Its largest Institute is the Institute of Astronomy, Astrophysics, Remote Sensing and Space Applications (IAASARS). It has numerous research programs which bring a revenue of over 3M€ per year mainly from the ESA, the EU and the National Secretariat of Research and technology. IAASARS consists of three main research units: 1) Observational Astrophysics 2) Solar-Terrestrial Environment - Space Physics 3) Remote Sensing and Machine Learning for Signal/Image Processing. The Observational Astrophysics group operates the Helmos and the Kryoneri Observatories. The 2.3m "Aristarchos" telescope is installed at Helmos. It is the largest research infrastructure of the NOA and the 2nd largest telescope in continental Europe. The dedicated personnel of the Helmos Observatory has excellent knowledge of the telescope operation and its optical instrumentation, as well as of the computer systems that support the telescope.</p> |   |                                 |           |
| <b>First Authorised Legal Person for the purpose of contract signature</b>  |   |                                 |           |
| <b>Title</b>  | Prof  | <b>Gender: Female=F, Male=M</b> | M         |
| <b>Family Name</b>  | PLIONIS   | <b>First Name</b>               | EMMANOUIL |
| <b>Position</b>   | Director of NOA and Chairman of its BoD                             |                                 |           |
| <b>Telephone No</b>   | +3021034900104  | <b>Fax No.</b>                  |           |
| <b>E-mail</b>   | president@noa.gr  | <b>Mobile</b>                   |           |
| <b>Curriculum Vitae</b>   | <a href="https://manolisplionis.gr/">https://manolisplionis.gr/</a> |                                 |           |
| <b>Banking Information</b>  |   |                                 |           |
| <b>Name of Bank</b>   | PIRAEUS BANK  |                                 |           |
| <b>Street Name and No.</b>  | 46 SIGROU AVENUE & 7 PETMEZA STREET                                 | <b>PO Box</b>                   |           |
| <b>Post Code</b>  | 11742   | <b>Town/City</b>                | Athens    |
| <b>Country Code</b>   | EL  | <b>Country Name</b>             | Greece    |

|   |   |                                 |         |
|---|---|---------------------------------|---------|
| <b>Swift Code</b>   | PIRGRAA   | <b>Sort Code</b>                |         |
| <b>BIC</b>  |   |                                 |         |
| <b>Account Number</b>                                       | 50 5210 7952 550  |                                 |         |
| <b>IBAN</b>   | GR72 0172 0520 0050 5210 7952 550   |                                 |         |
| <b>Address of the main department carrying out the work</b> |   |                                 |         |
| <b>Institute/Department/Laboratory Name</b>                 |   |                                 |         |
| <b>Street Name and No.</b>                                  | I.Metaxa & B.Pavlou, Palaia Penteli   | <b>PO Box</b>                   | N/A     |
| <b>Post Code</b>  | 15236   | <b>Town/City</b>                | Penteli |
| <b>Country Code</b>   | EL  | <b>Country Name</b>             | Greece  |
| <b>Authorised contact person / Team Leader 1</b>            |   |                                 |         |
| <b>Title</b>  | Dr.   | <b>Gender: Female=F, Male=M</b> | M       |
| <b>Family Name</b>  | Basilakos   | <b>First Name</b>               | Spiros  |
| <b>Position</b>   | Director of IAASARS & Vice President of BoD   |                                 |         |
| <b>WP leader</b>  |   |                                 |         |
| <b>Task leader</b>  |   |                                 |         |
| <b>Organisation Legal Name</b>                              | Ethniko Asteroskopeio Athinon - National Observatory of Athens  |                                 |         |
| <b>Department/Room No.</b>                                  |   |                                 |         |
| <b>Street Name and No.</b>                                  | Lofos Nymfon, Thision   | <b>PO Box</b>                   | N/A     |
| <b>Post Code</b>  | 11810   | <b>Town/City</b>                | Athens  |
| <b>Country Code</b>   | EL  | <b>Country Name</b>             | Greece  |
| <b>Telephone No</b>   | +30-210-8109222   | <b>Fax No.</b>                  |         |
| <b>E-mail</b>   | sbasil@noa.gr   | <b>Mobile</b>                   |         |
| <b>Curriculum Vitae</b>                                     | <p>He completed his PhD studies in Cosmology at the University of Athens. During the period 1999-2002, he worked as a PPARC fellow at the Imperial College (UK). From 2002 to 2005, he worked within NOA's (National observatory of Athens) program searching for the clustering properties of the large scale structures. In 2005 he joined the astrophysics group at the University of Groningen (The Netherlands) as a NOVA fellow. For the period 2006-2014 he was a faculty member (Senior Researcher) at the Academy of Athens (RCAAM) and a Visiting Professor at the University of Barcelona (2011-2012). Today he is Director of Research at the Academy of Athens, adjunct professor at the European University of Cyprus and head of IAASARS. In 2013, 2014, 2017 and 2019 he participated in the international Gravity competition organized by the Gravity Research Foundation (GRF-USA) and his scientific works received honorable mentions by GRF. Moreover, Dr. Basilakos is Principal Investigator (PI) in two ESA funded projects related to laser link telecommunications [HOTSPOT under the Operations Development support for Optical and Quantum Infrastructure framework) and MFOC (under the Optical communications and photonics Makerspace framework)] as well as he participates in the DEP Hellas-QCI program related to Quantum Key Distribution (QKD) experiments. He supervised a large number of PhD and MSc theses and he participated in several international collaborations and scientific programs. His research work has led to ~240 scientific articles. Currently, he gives lectures in Cosmology and General Relativity at the University of Athens and contributes to public engagement events in science.</p> |                                 |         |

| Financial Manager              |   |                                 |            |   |
|--------------------------------|---|---------------------------------|------------|---|
| <b>Title</b>                   | Mrs.  | <b>Gender: Female=F, Male=M</b> |            | F |
| <b>Family Name</b>             | ZIAZIA  | <b>First Name</b>               | MARIA      |   |
| <b>Position</b>                | Financial Manager   |                                 |            |   |
| <b>Activity leader</b>         |   |                                 |            |   |
| <b>Task leader</b>             |   |                                 |            |   |
| <b>Organisation Legal Name</b> | Ethniko Asteroskopeio Athinon - National Observatory of Athens  |                                 |            |   |
| <b>Department/Room No.</b>     |   |                                 |            |   |
| <b>Street Name and No.</b>     | Lofos Nymfon, Thision   | <b>PO Box</b>                   | N/A        |   |
| <b>Post Code</b>               | 11810   | <b>Town/City</b>                | Athens     |   |
| <b>Country Code</b>            | EL  | <b>Country Name</b>             | Greece     |   |
| <b>Telephone No</b>            | +302103490061   | <b>Fax No.</b>                  |            |   |
| <b>E-mail</b>                  | mziazia@noa.gr  | <b>Mobile</b>                   |            |   |
| <b>Curriculum Vitae</b>        |   |                                 |            |   |
|                                |   |                                 |            |   |
| Other personnel                |   |                                 |            |   |
| <b>Title</b>                   | Dr  | <b>Gender: Female=F, Male=M</b> |            | M |
| <b>Family Name</b>             | Marousis  | <b>First Name</b>               | Athanasios |   |
| <b>Position</b>                | Director of Research Support Directorate  |                                 |            |   |
| <b>Activity leader</b>         |   |                                 |            |   |
| <b>Task leader</b>             | T3.3  | T4.5                            |            |   |
| <b>Organisation Legal Name</b> | Ethniko Asteroskopeio Athinon - National Observatory of Athens  |                                 |            |   |
| <b>Department/Room No.</b>     |   |                                 |            |   |
| <b>Street Name and No.</b>     | Lofos Nymfon, Thision   | <b>PO Box</b>                   | N/A        |   |
| <b>Post Code</b>               | 11810   | <b>Town/City</b>                | Athens     |   |
| <b>Country Code</b>            | EL  | <b>Country Name</b>             | Greece     |   |
| <b>Telephone No</b>            | +30-210-3490005   | <b>Fax No.</b>                  |            |   |
| <b>E-mail</b>                  | amarous@noa.gr  | <b>Mobile</b>                   |            |   |
| <b>Curriculum Vitae</b>        | Acting Director of Research Support Directorate of NOA, Electrical and Computer Engineer, PhD in telecommunications systems. Responsible for the optical communications network and the connection with the OGS infrastructure. |                                 |            |   |

## 3.8 QUBITECH

| <b>QUBITECH IDIOTIKI KEFALAIOUCHIKI ETAIREIA (QUBITECH) coordinates</b>  |   |                                 |             |
|--|---|---------------------------------|-------------|
| <b>Legal information on the participating organisation</b>   |   |                                 |             |
| <b>Participant Role</b>  | Beneficiary   | <b>Beneficiary No</b>           | 8           |
| <b>Organisation Legal Name</b>   | QUBITECH IDIOTIKI KEFALAIOUCHIKI ETAIREIA   | <b>Short Name</b>               | QUBITECH    |
| <b>Legal Registration No.</b>  |   | <b>VAT No.</b>                  | EL801654019 |
| <b>Internet homepage</b>   | <a href="https://q.ubitech.eu/">https://q.ubitech.eu/</a>   | <b>Cost Basis</b>               | 6000 Eur PM |
| <b>Legal Address of the organisation</b>   |   |                                 |             |
| <b>Street Name and No.</b>   | Thessalias 8, Chalandri   | <b>PO Box</b>                   |             |
| <b>Post Code</b>   | 15231   | <b>Town/City</b>                | Athens      |
| <b>Cedex</b>   | -   | <b>Country Name</b>             | Greece      |
| <b>Organisation profile</b>  |   |                                 |             |
| <p>QUBITECH is a private capital company founded in 2021 in Athens Greece and constitutes a collaboration of Quantum photonics researchers with over 20 years combined research experience in the development design and implementation of experimental quantum technologies and UBITECH, which has an established track record and expertise in informatics and cybersecurity. QUBITECH is invested in the development of state-of-the-art quantum photonics systems in the fields of Quantum Communications and Cryptography, Quantum Software and Quantum Simulators. The company offers a wide range of expertise and skills from the design and modelling of semiconductor heterostructures and the simulation of optical properties of waveguide circuits, to expertise with advanced spectroscopic and interferometric techniques and quantum correlation measurements. Our scientific background is on the fields of solid-state quantum physics, photonics, optoelectronics, and non-linear optics. The company is involved in the design and implementation of a novel optical physical unclonable function device within the framework of the European project ENTRUST and participates in the quantum communication infrastructure consortium, HellasQCI, tasked with the development of a Quantum Secured messaging and telephony application. QUBITECH also leads the design and implementation of a novel holographic optical Ising machine, based on diffractive optical elements, for the tackling of hard computational problems. Drawing from our rich background in experimental quantum physics and our competitive advantage in cutting edge IT technologies, we are ideally suited to provide high-end consultation, education, awareness and software services to businesses and educational organizations, to navigate the dynamic quantum technologies landscape</p> |   |                                 |             |
| <b>First Authorised Legal Person for the purpose of contract signature</b>   |   |                                 |             |
| <b>Title</b>   | Dr  | <b>Gender: Female=F, Male=M</b> | M           |
| <b>Family Name</b>   | Alexandrou  | <b>First Name</b>               | Dimitrios   |
| <b>Position</b>  | Financial Director  |                                 |             |
| <b>Telephone No</b>  |   | <b>Fax No.</b>                  |             |
| <b>E-mail</b>  | dalexandrou@q.ubitech.eu  | <b>Mobile</b>                   |             |
| <b>Curriculum Vitae</b>  | <p>Dimitris Alexandrou, Business Services Director, Responsible for the Corporate Overseas Activities, the Greek Public Sector Tenders and IT Projects, the Private Sector Projects, and the IT Consulting Services.</p> <p>Dimitris Alexandrou was born in Athens, Greece in 1978. He received his diploma in Electrical and Computer Engineering from the National Technical University of Athens in July 2004. His Diploma Thesis was in the area of Mobile and Personal Communications (Location Based Services in Wireless LANs). In 2014, he received his PhD in the Information Management Unit of the School of Electrical &amp; Computer Engineering at NTUA in the area</p> |                                 |             |



|   |                                   |                                 |                |
|---|-----------------------------------|---------------------------------|----------------|
| <p>of Self-Adaptive Healthcare Business Processes (Clinical Pathways) by Utilising Semantic Web Technologies. His research interests lay in the field of Healthcare Business Processes, Semantic Technologies and Expert Systems. He has been working as an R&amp;D consultant with European Profiles S.A. and EPIS Ltd. He has sixteen (16) years of experience in participating in the implementation of EU co-funded projects IST, ICT, FP7, and H2020 projects and seven years of experience in managing ICT project teams. He is co-founder and the Business Services Director of UBITECH and QUBITECH, and he manages and participates in a number of commercial and research ICT projects developing technological infrastructures that aim to leverage knowledge sharing in the aforementioned fields. In particular, he was the Project Manager and the responsible for the delivery of the two (2) international commercial projects and their extensions (more than 4,5 million USD in total), wherein UBITECH is the sole contractor and implementor, regarding the delivery of digital archives/repositories and digital signature components, and the realization of the secure exchange of legalized civil-status documents among a) the civil-status registries of the sixteen member-states of the International Commission of Civil Status, and b) the civil-status offices of the twenty four autonomous provinces of the Government of Argentina. These two (2) large scale projects constitute the main Case Studies of one of UBITECH key software solutions, namely XCHANGE, the Qualified e-Delivery Hub. A software infrastructure that facilitates the secure document and data exchange among trusted entities. Additionally, he was the project manager of two nationally co-funded project in the e-Health domain, namely RF-CURE that utilised RFID technology, as well as CARE-PATHS, that led to a Clinical Pathways Management and Execution environment. Moreover, he was the technical responsible for the execution of FP7 LinkedDesign project in the field of Factories of the Future. He has published about 15 scientific papers in international journals and conferences, all in the field of Information and Communications Technologies in Healthcare and has served as reviewer in international conferences and journals. He is a Member of the Institute of Electrical and Electronics Engineers (IEEE) and a member of the Technical Chamber of Greece.</p> |                                   |                                 |                |
| <b>Banking Information</b>  |                                   |                                 |                |
| <b>Name of Bank</b>   | PIRAEUS BANK                      |                                 |                |
| <b>Street Name and No.</b>  | 406, MESSOGION AVENUE             | <b>PO Box</b>                   |                |
| <b>Post Code</b>  | 15342                             | <b>Town/City</b>                | AGIA PARASKEVI |
| <b>Country Code</b>   | EL                                | <b>Country Name</b>             | GREECE         |
| <b>Swift Code</b>   |                                   | <b>Sort Code</b>                |                |
| <b>BIC</b>  | PIRBGAA                           |                                 |                |
| <b>Account Number</b>   |                                   |                                 |                |
| <b>IBAN</b>   | GR68 0172 0090 0050 0910 6051 670 |                                 |                |
| <b>Address of the main department carrying out the work</b>   |                                   |                                 |                |
| <b>Institute/Department/Laboratory Name</b>   | Quantum Communication Department  |                                 |                |
| <b>Street Name and No.</b>  | Thessalias 8, Chalandri           | <b>PO Box</b>                   | N/A            |
| <b>Post Code</b>  | 15231                             | <b>Town/City</b>                | Athens         |
| <b>Country Code</b>   | EL                                | <b>Country Name</b>             | Greece         |
| <b>Authorised contact person / Team Leader 1</b>  |                                   |                                 |                |
| <b>Title</b>  | Dr                                | <b>Gender: Female=F, Male=M</b> | M              |

|                                |  |                                 |                  |
|--------------------------------|--|---------------------------------|------------------|
| <b>Family Name</b>             | Askitopoulos   | <b>First Name</b>               | Alexis           |
| <b>Position</b>                | Science Director   |                                 |                  |
| <b>WP leader</b>               |  |                                 |                  |
| <b>Task leader</b>             | T6.1   |                                 |                  |
| <b>Organisation Legal Name</b> | Qubitech IKE   |                                 |                  |
| <b>Department/Room No.</b>     | Quantum Communication Department   |                                 |                  |
| <b>Street Name and No.</b>     | Thessalias 8, Chalandri  | <b>PO Box</b>                   | N/A              |
| <b>Post Code</b>               | 15231  | <b>Town/City</b>                | Athens           |
| <b>Country Code</b>            | EL   | <b>Country Name</b>             | Greece           |
| <b>Telephone No</b>            | +30 216 5000 500   | <b>Fax No.</b>                  | +30 216 5000 599 |
| <b>E-mail</b>                  | aaskitopoulos@q.ubitech.eu   | <b>Mobile</b>                   |                  |
| <b>Curriculum Vitae</b>        | <p>Dr. Alexis Askitopoulos received his BSc degree in Physics from the department of Physics of the University of Crete in 2007 and an MSc degree in Micro-optoelectronics from the same department in 2010 during which he worked as a postgraduate researcher in the microelectronics research group of the Institute of electronic structure and lasers of FORTH. In the summer of 2010 he was a visiting researcher in the Cavendish laboratory in Cambridge and from autumn 2010-2013 he was a Marie-Curie research fellow at the School of Physics and Astronomy of the University of Southampton (UK) in the Laboratories for Hybrid Optoelectronics, part of the Quantum-Light and matter group. He received his PhD degree in 2015 on the optical manipulation of light-matter condensates. Following the awarding of his PhD, he worked as a senior research fellow at the Quantum Technology centre of Southampton University for three years involved in the development of polariton condensate lattices and polariton analogue and quantum simulators. At the same he was engaged, as an external scientific advisor, on the full design and implementation of the Hybrid Photonics laboratory, a state-of-the-art photonics and materials processing Lab in Skoltech-MIT. From 2018-2020, he was a senior research Scientist in the centre of Photonic and Quantum materials of Skoltech, working on the coherence properties of analogue polariton simulators. He has authored 23 publications in international peer reviewed journals and 8 conference proceedings with an h index of 16 with over one thousand citations. In 2021 he co-founded Qubitech, with the aim to develop optical quantum technologies in Greece, where he holds the position of Scientific Director. His scientific interests lie on the fields of condensed matter quantum information and quantum optics, light matter interactions in semiconductors, quantum and classical simulations with polariton condensates and quantum communications.</p> |                                 |                  |
| <b>Financial Manager</b>       |  |                                 |                  |
| <b>Title</b>                   | Dr   | <b>Gender: Female=F, Male=M</b> | M                |
| <b>Family Name</b>             | Alexandrou   | <b>First Name</b>               | Dimitrios        |
| <b>Position</b>                | Financial Director   |                                 |                  |
| <b>Activity leader</b>         |  |                                 |                  |
| <b>Task leader</b>             |  |                                 |                  |
| <b>Organisation Legal Name</b> | Qubitech IKE   |                                 |                  |
| <b>Department/Room No.</b>     | Quantum Communication Department   |                                 |                  |
| <b>Street Name and No.</b>     | Thessalias 8, Chalandri  | <b>PO Box</b>                   | N/A              |
| <b>Post Code</b>               | 15231  | <b>Town/City</b>                | Athens           |
| <b>Country Code</b>            | EL   | <b>Country Name</b>             | Greece           |
| <b>Telephone No</b>            | +30 216 5000 500   | <b>Fax No.</b>                  | +30 216 5000 599 |

|                                |  |                                 |               |  |
|--------------------------------|--|---------------------------------|---------------|--|
| <b>E-mail</b>                  | dalexandrou@q.ubitech.eu   |                                 | <b>Mobile</b> |  |
| <b>Curriculum Vitae</b>        | <p>Dimitris Alexandrou, Business Services Director, Responsible for the Corporate Overseas Activities, the Greek Public Sector Tenders and IT Projects, the Private Sector Projects, and the IT Consulting Services.</p> <p>Dimitris Alexandrou was born in Athens, Greece in 1978. He received his diploma in Electrical and Computer Engineering from the National Technical University of Athens in July 2004. His Diploma Thesis was in the area of Mobile and Personal Communications (Location Based Services in Wireless LANs). In 2014, he received his PhD in the Information Management Unit of the School of Electrical &amp; Computer Engineering at NTUA in the area of Self-Adaptive Healthcare Business Processes (Clinical Pathways) by Utilising Semantic Web Technologies. His research interests lay in the field of Healthcare Business Processes, Semantic Technologies and Expert Systems. He has been working as an R&amp;D consultant with European Profiles S.A. and EPIS Ltd. He has sixteen (16) years of experience in participating in the implementation of EU co-funded projects IST, ICT, FP7, and H2020 projects and seven years of experience in managing ICT project teams. He is co-founder and the Business Services Director of UBITECH and QUBITECH, and he manages and participates in a number of commercial and research ICT projects developing technological infrastructures that aim to leverage knowledge sharing in the aforementioned fields. In particular, he was the Project Manager and the responsible for the delivery of the two (2) international commercial projects and their extensions (more than 4,5 million USD in total), wherein UBITECH is the sole contractor and implementor, regarding the delivery of digital archives/repositories and digital signature components, and the realization of the secure exchange of legalized civil-status documents among a) the civil-status registries of the sixteen member-states of the International Commission of Civil Status, and b) the civil-status offices of the twenty four autonomous provinces of the Government of Argentina. These two (2) large scale projects constitute the main Case Studies of one of UBITECH key software solutions, namely XCHANGE, the Qualified e-Delivery Hub. A software infrastructure that facilitates the secure document and data exchange among trusted entities. Additionally, he was the project manager of two nationally co-funded project in the e-Health domain, namely RF-CURE that utilised RFID technology, as well as CARE-PATHS, that led to a Clinical Pathways Management and Execution environment. Moreover, he was the technical responsible for the execution of FP7 LinkedDesign project in the field of Factories of the Future. He has published about 15 scientific papers in international journals and conferences, all in the field of Information and Communications Technologies in Healthcare and has served as reviewer in international conferences and journals. He is a Member of the Institute of Electrical and Electronics Engineers (IEEE) and a member of the Technical Chamber of Greece.</p> |                                 |               |  |
| <b>Other personnel</b>         |  |                                 |               |  |
| <b>Title</b>                   | Dr   | <b>Gender: Female=F, Male=M</b> | M             |  |
| <b>Family Name</b>             | Tsintzos   | <b>First Name</b>               | Symeon        |  |
| <b>Position</b>                | Technology Director  |                                 |               |  |
| <b>Activity leader</b>         |  |                                 |               |  |
| <b>Task leader</b>             |  |                                 |               |  |
| <b>Organisation Legal Name</b> | Qubitech IKE   |                                 |               |  |
| <b>Department/Room No.</b>     | Quantum Communication Department   |                                 |               |  |
| <b>Street Name and No.</b>     | Thessalias 8, Chalandri  | <b>PO Box</b>                   | N/A           |  |
| <b>Post Code</b>               | 15231  | <b>Town/City</b>                | Athens        |  |
| <b>Country Code</b>            | EL   | <b>Country Name</b>             | Greece        |  |

|                         |  |                |                  |
|-------------------------|--|----------------|------------------|
| <b>Telephone No</b>     | +30 216 5000 500   | <b>Fax No.</b> | +30 216 5000 599 |
| <b>E-mail</b>           | stsintzos@q.ubitech.eu   | <b>Mobile</b>  |                  |
| <b>Curriculum Vitae</b> | <p>Dr. Symeon Tsintzos (male) received his BS degree in Physics from the Physics department of the University of Patras in 2003. In 2006 received the MSc degree in Microelectronics and Optoelectronics from the Physics department of the University of Crete, whereas he received his PhD degree in 2010 from the Materials Science and Technology department of the same University. His PhD was on the design and fabrication of electrical injected polariton LED devices. He worked as a post-doctoral research fellow at the Foundation for Research &amp; Technology Hellas (Institute of Electronic Structure and Laser) and at the Crete Center for Quantum Complexity and Nanotechnology. He was a visitor researcher at the Nano-photonics Group, Cavendish Laboratory, in Cambridge and at the Ioffe Physical and Technical Institute, Saint Petersburg. His scientific work extends in various fields of polariton physics and technology including electrically injected polariton lasers, design and developing of novel polariton devices (transistors, switches random number generators), on chip manipulation of polariton condensates, polariton condensate optical circuits and polariton analogue and quantum simulators and cryptographic photonic devices (PUFs). Furthermore, he was involved in the design and fabrication of conventional semiconductor optoelectronic devices such as edge and vertical emitting lasers as well as on the development of quantum dot single photon emitters. In 2008, he was awarded Manasaki's scholarship for the importance of his scientific work during his PhD studies, while in 2017 awarded by the Stavros Niarchos foundation scholarship in the frame of the project "Advancing Young Researchers' Human Capital in Cutting Edge Technologies in the Preservation of Cultural Heritage and the Tackling of Societal Challenges – ARCHERS. Currently, he holds a permanent position in Qubitech as the CTO responsible for the development of classical and quantum photonic technologies schemes and all optical processing.</p> |                |                  |

## 3.9 COSMOTE

| <b>COSMOTE KINITES TILEPIKOINONIES MONOPROSOPI AE. (COSMOTE)</b>   |  |                       |           |
|--|--|-----------------------|-----------|
| <b>coordinates</b>   |  |                       |           |
| <b>Legal information on the participating organisation</b>   |  |                       |           |
| <b>Participant Role</b>  | Beneficiary  | <b>Beneficiary No</b> | 9         |
| <b>Organisation Legal Name</b>   | COSMOTE KINITES TILEPIKOINONIES MONOPROSOPI AE. (COSMOTE Mobile Telecommunications Single Member S.A.) | <b>Short Name</b>     | COSMOTE   |
| <b>Legal Registration No.</b>  | 2410501000   | <b>VAT No.</b>        | 094493766 |
| <b>Internet homepage</b>   | www.cosmote.gr   | <b>Cost Basis</b>     | 6500      |
| <b>Legal Address of the organisation</b>   |  |                       |           |
| <b>Street Name and No.</b>   | Kifissias ave. 99  | <b>PO Box</b>         |           |
| <b>Post Code</b>   | 15124  | <b>Town/City</b>      | Athens    |
| <b>Cedex</b>   |  | <b>Country Name</b>   | Greece    |
| <b>Organisation profile</b>  |  |                       |           |
| <p>COSMOTE is a member of OTE Group and a member of Deutsche Telekom Group (since March/09) and was commercially launched in April/98. Today COSMOTE accounts for more than 50% of the Greek subscribers' base exceeding 7 million (Q3/2022). COSMOTE holds the leading market position in Greece since 2001, breaking new ground by constantly developing its networks and having an impressive record of very important firsts; the most recent among them being the launch of 5G network (Dec/2020). Currently, COSMOTE has the largest 5G coverage in the country (&gt;80% population coverage in Greece (Q4/2022), &gt;90% in Athens, Thessaloniki and 37 other cities throughout Greece), while in certain areas the max speeds already exceed 1Gbps. Besides, in 2022 according to Ookla's Speedtest, COSMOTE was distinguished as "the fastest mobile network in Greece" for the 6th consecutive year with subscribers enjoying on average, more than double download speeds comparatively to competitive mobile providers.</p> <p>OTE Group is the largest telecommunications provider in the Greek market and one of the leading telecom groups in SE Europe, offering a full range of telecommunications services: from fixed-line and mobile telephony, broadband services, to pay television and ICT solutions, while it is also involved in maritime communications, real-estate, energy, insurance services and professional training. Furthermore, OTE Group has a strategic interest in supporting sustainability through many initiatives, both research and commercial. OTE Group's performance in matters of environment, society and corporate governance (ESG) have contributed -among other things- to the participation of OTE in six international indicators of Social Responsible Investments: FTSE4Good, VIGEO-EIRIS Best Emerging Market Performers, "Prime" Corporate ESG Performance by ISS-ESG, MSCI ESG Research, CDP, and Bloomberg LP Gender-Equality Index (GEI).</p> <p>OTE Group is a pioneer in technological advances and by far the largest investor in telecommunications infrastructure in Greece. OTE Group promotes constantly research and development through its continuous and devoted participation in R&amp;D EU funded projects in selective domains. During 2021, the OTE Group participated in 37 innovative funded R&amp;D EU projects, in various technological areas. By participating in R&amp;D projects, the OTE Group is expected to boost its technological excellence and upgrade the services provided to its customers, as it gains expertise in cutting-edge technologies from the early stages of development and actively participates in shaping future technology solutions, market applications and innovative business models in areas such as, smart cities, m-health, automotive, infotainment and media.</p> <p>Specifically to the interest of HellasQCI, the Research and Development department of COSMOTE, located in OTE Academy Premises, supports the project initiatives by bringing in the quantum communications expertise gained through the participation in the Horizon 2020 UNIQORN project. More specifically, through the established</p> |  |                       |           |

collaboration within UNIQORN with NTUA and UoA, shall work together to integrate, experiment and assess QKD application in four use cases, namely (1) quantum cloud data centers, (2) quantum 5G, (3) quantum FTTH and (4) quantum IoT. COSMOTE supports use case analysis, architecture, design and validation activities from the telecom operator perspective and can offer lab-scale simulation environments to facilitate the preliminary studies from Phase 0. COSMOTE furnishes the research developments with the valuable expertise of field engineers and transport network planners, safeguarding that the assessment results are realistic and acceptable for end-deployment. Towards this, it contributes to quantum awareness at a wider scale, outside the research community, and the timely preparation of the communication experts to support the quantum era.

### First Authorised Legal Person for the purpose of contract signature

|                         |  |                                 |        |
|-------------------------|--|---------------------------------|--------|
| <b>Title</b>            | Executive Director Network Development & Operations Fixed and Mobile | <b>Gender: Female=F, Male=M</b> | M      |
| <b>Family Name</b>      | Tsonis   | <b>First Name</b>               | George |
| <b>Position</b>         | Executive Director Network Development & Operations Fixed and Mobile |                                 |        |
| <b>Telephone No</b>     | +30 2106374779   | <b>Fax No.</b>                  |        |
| <b>E-mail</b>           | gtsonis@cosmote.gr   | <b>Mobile</b>                   |        |
| <b>Curriculum Vitae</b> |  |                                 |        |

### Banking Information

|                            |                                   |                     |        |
|----------------------------|-----------------------------------|---------------------|--------|
| <b>Name of Bank</b>        | ALPHA BANK                        |                     |        |
| <b>Street Name and No.</b> | Kifissias Ave. 60                 | <b>PO Box</b>       |        |
| <b>Post Code</b>           | 15125                             | <b>Town/City</b>    | Athens |
| <b>Country Code</b>        | EL                                | <b>Country Name</b> | Greece |
| <b>Swift Code</b>          |                                   | <b>Sort Code</b>    |        |
| <b>BIC</b>                 | CRBAGRAA                          |                     |        |
| <b>Account Number</b>      |                                   |                     |        |
| <b>IBAN</b>                | GR26 0140 1460 1460 0232 0004 629 |                     |        |

### Address of the main department carrying out the work

|   |   |                     |        |
|---|---|---------------------|--------|
| <b>Institute/Department/Laboratory Name</b> | Research & Development Dept. Fixed and Mobile |                     |        |
| <b>Street Name and No.</b>                  | Pelika & Spartis 1                            | <b>PO Box</b>       | N/A    |
| <b>Post Code</b>                            | 15124   | <b>Town/City</b>    | Athens |
| <b>Country Code</b>                         | EL  | <b>Country Name</b> | Greece |

### Authorised contact person / Team Leader 1

|                                |  |                                 |        |
|--------------------------------|--|---------------------------------|--------|
| <b>Title</b>                   | Head of Research & Development Dept. Fixed and Mobile  | <b>Gender: Female=F, Male=M</b> | M      |
| <b>Family Name</b>             | Lyberopoulos   | <b>First Name</b>               | George |
| <b>Position</b>                | Head of OTE Group R&D  |                                 |        |
| <b>WP leader</b>               |  |                                 |        |
| <b>Task leader</b>             |  |                                 |        |
| <b>Organisation Legal Name</b> | COSMOTE KINITES TILEPIKOINONIES MONOPROSOPI AE. (COSMOTE Mobile Telecommunications Single Member S.A.) |                                 |        |
| <b>Department/Room No.</b>     | Research & Development Dept. Fixed and Mobile/Room 211   |                                 |        |

|                                |   |                                 |         |
|--------------------------------|---|---------------------------------|---------|
| <b>Street Name and No.</b>     | Pelika & Spartis 1  | <b>PO Box</b>                   | N/A     |
| <b>Post Code</b>               | 15124   | <b>Town/City</b>                | Athens  |
| <b>Country Code</b>            | EL  | <b>Country Name</b>             | Greece  |
| <b>Telephone No</b>            |   | <b>Fax No.</b>                  |         |
| <b>E-mail</b>                  | glimperop@cosmote.gr  | <b>Mobile</b>                   |         |
| <b>Curriculum Vitae</b>        | Dr. George Lyberopoulos (male) received the Electrical Engineers Diploma from the Democritus University of Thrace (DUTH), in 1989 and the Dr.-Ing. degree in Electrical Engineering from the National Technical University of Athens (NTUA), in 1994. Since 1989, he has been involved in more than 60 EU and national research projects. Dr. Lyberopoulos joined COSMOTE in 1999, while since 2014 has been heading the Research & Development Dept., Fixed and Mobile. Since 1999, he has been appointed Project/Technical manager for all the major projects within COSMOTE such as, GPRS, 3G, WiMAX, IMS, Femtocells, LTE including tenders (specifications/evaluation), technical trials and network design & rollout phases. Dr. Lyberopoulos is author of over 70 scientific papers in the areas of mobile telecommunications. |                                 |         |
| <b>Financial Manager</b>       |   |                                 |         |
| <b>Title</b>                   | Core Network DevOps & Technology Strategy Director Fixed and Mobile   | <b>Gender: Female=F, Male=M</b> | M       |
| <b>Family Name</b>             | Papamichail   | <b>First Name</b>               | Michael |
| <b>Position</b>                | Core Network DevOps & Technology Strategy Director Fixed and Mobile   |                                 |         |
| <b>Activity leader</b>         |   |                                 |         |
| <b>Task leader</b>             |   |                                 |         |
| <b>Organisation Legal Name</b> | COSMOTE KINITES TILEPIKOINONIES MONOPROSOPI AE. (COSMOTE Mobile Telecommunications Single Member S.A.)  |                                 |         |
| <b>Department/Room No.</b>     |   |                                 |         |
| <b>Street Name and No.</b>     | Ikarou & Ag. Louka 1  | <b>PO Box</b>                   | N/A     |
| <b>Post Code</b>               | 19002   | <b>Town/City</b>                | Paiania |
| <b>Country Code</b>            | EL  | <b>Country Name</b>             | Greece  |
| <b>Telephone No</b>            | +30 2106117582  | <b>Fax No.</b>                  |         |
| <b>E-mail</b>                  | mikep@cosmote.gr  | <b>Mobile</b>                   |         |
| <b>Curriculum Vitae</b>        |   |                                 |         |
| <b>Other personnel</b>         |   |                                 |         |
| <b>Title</b>                   | Principal Engineer  | <b>Gender: Female=F, Male=M</b> | F       |
| <b>Family Name</b>             | Setaki  | <b>First Name</b>               | Foteini |
| <b>Position</b>                | Principal Engineer  |                                 |         |
| <b>Activity leader</b>         |   |                                 |         |
| <b>Task leader</b>             |   |                                 |         |
| <b>Organisation Legal Name</b> | COSMOTE KINITES TILEPIKOINONIES MONOPROSOPI AE. (COSMOTE Mobile Telecommunications Single Member S.A.)  |                                 |         |
| <b>Department/Room No.</b>     | Research & Development Dept. Fixed and Mobile/Room 208  |                                 |         |
| <b>Street Name and No.</b>     | Ikarou & Ag. Louka 1  | <b>PO Box</b>                   | N/A     |
| <b>Post Code</b>               | 15124   | <b>Town/City</b>                | Athens  |

|                         |  |                     |               |
|-------------------------|--|---------------------|---------------|
| <b>Country Code</b>     | EL   | <b>Country Name</b> | Greece        |
| <b>Telephone No</b>     | +302106177875  | <b>Fax No.</b>      |               |
| <b>E-mail</b>           | fsetaki@cosmote.gr   | <b>Mobile</b>       | +306974041661 |
| <b>Curriculum Vitae</b> | Fofy Setaki (fsetaki@cosmote.gr), female, is a principal scientist for the Research & Development Department of COSMOTE S.A. She is a graduate of the Computer Science Department of University of Crete (1993) and holds an MSc in Data Communications Networks and Distributed Systems from University College London (1995), and an MSC in Enterprise Information Management from Henley Business School (2012). She has a strong IT background and more than 20 years' experience in the telecommunication business in various positions commencing from software development and IT systems delivery to IT operations management. |                     |               |



## 3.10 SPACE HELLAS

| Space Hellas S.A. Telecommunications, IT, Security Systems and Services (SPACE HELLAS) coordinates  |   |                                 |                |
|---|---|---------------------------------|----------------|
| <b>Legal information on the participating organisation</b>  |   |                                 |                |
| <b>Participant Role</b>   | Beneficiary   | <b>Beneficiary No</b>           | 10             |
| <b>Organisation Legal Name</b>  | Space Hellas S.A. Telecommunications, IT, Security Systems and Services - Provision of security services Private Enterprise | <b>Short Name</b>               | SPACE HELLAS   |
| <b>Legal Registration No.</b>   | 3755011000  | <b>VAT No.</b>                  | EL094149709    |
| <b>Internet homepage</b>  | www.space.gr  | <b>Cost Basis</b>               |                |
| <b>Legal Address of the organisation</b>  |   |                                 |                |
| <b>Street Name and No.</b>  | 312, Messogion ave.   | <b>PO Box</b>                   |                |
| <b>Post Code</b>  | 15341   | <b>Town/City</b>                | Agia Paraskevi |
| <b>Cedex</b>  | -   | <b>Country Name</b>             | GREECE         |
| <b>Organisation profile</b>   |   |                                 |                |
| <p>Space Hellas SA (Midcap) is a leading System Integrator, Value-Added Solution and Service Provider in the areas of ICT and Security for the enterprise, government, and defence sectors, certified according to ISO 9001:2008 and ISO/IEC 27001:2005 standards. Space Hellas has long track in cybersecurity R&amp;D, currently coordinating four ongoing European cybersecurity projects (Alception, PRIVATEER, SEPTON, DEGREES) and actively participating in six others (HellasQCI, ENTRUST, 5GCOMPAD, ACTING, ASSURED, PALANTIR). Recently, Space Hellas successfully completed the EDIDP PANDORA project, in which it developed an integrated EDR cyberdefence solution for the needs of the Hellenic Armed Forces, currently under testing and certification phase. Space Hellas maintains and operates its own Security Operation Center (SOC) and offers a wide portfolio of managed and on-premise cybersecurity solutions and services. SPH will undertake the integration of QKD systems with existing infrastructures, also developing bespoke software for monitoring and management.</p> |   |                                 |                |
| <b>First Authorised Legal Person for the purpose of contract signature</b>  |   |                                 |                |
| <b>Title</b>  | Dr  | <b>Gender: Female=F, Male=M</b> | M              |
| <b>Family Name</b>  | Mertzanis   | <b>First Name</b>               | Ioannis        |
| <b>Position</b>   | CEO   |                                 |                |
| <b>Telephone No</b>   | +302106504100   | <b>Fax No.</b>                  |                |
| <b>E-mail</b>   | ceo@space.gr  | <b>Mobile</b>                   |                |
| <b>Curriculum Vitae</b>   |   |                                 |                |
| <b>Banking Information</b>  |   |                                 |                |
| <b>Name of Bank</b>   | National Bank of Greece   |                                 |                |
| <b>Street Name and No.</b>  |   | <b>PO Box</b>                   |                |
| <b>Post Code</b>  | 14231   | <b>Town/City</b>                | N.Ionia        |
| <b>Country Code</b>   | EL  | <b>Country Name</b>             | GREECE         |
| <b>Swift Code</b>   | ETHNGRAA  | <b>Sort Code</b>                |                |
| <b>BIC</b>  | ETHNGRAA  |                                 |                |

|   |  |                                 |           |
|---|--|---------------------------------|-----------|
| <b>Account Number</b>                                       |  |                                 |           |
| <b>IBAN</b>   | GR3001101500000015047017981  |                                 |           |
| <b>Address of the main department carrying out the work</b> |  |                                 |           |
| <b>Institute/Department/Laboratory Name</b>                 | R&D Department   |                                 |           |
| <b>Street Name and No.</b>                                  | L. Dedousi 6   | <b>PO Box</b>                   | N/A       |
| <b>Post Code</b>  | 15562  | <b>Town/City</b>                | Holargos  |
| <b>Country Code</b>   | EL   | <b>Country Name</b>             | Greece    |
| <b>Authorised contact person / Team Leader 1</b>            |  |                                 |           |
| <b>Title</b>  | Dr   | <b>Gender: Female=F, Male=M</b> | M         |
| <b>Family Name</b>  | Gardikis   | <b>First Name</b>               | Georgios  |
| <b>Position</b>   | R&D Manager  |                                 |           |
| <b>WP leader</b>  |  |                                 |           |
| <b>Task leader</b>  |  |                                 |           |
| <b>Organisation Legal Name</b>                              | Space Hellas S.A. Telecommunications, IT, Security Systems and Services - Provision of security services Private Enterprise  |                                 |           |
| <b>Department/Room No.</b>                                  | R&D Department   |                                 |           |
| <b>Street Name and No.</b>                                  | L. Dedousi 6   | <b>PO Box</b>                   | N/A       |
| <b>Post Code</b>  | 15562  | <b>Town/City</b>                | Athens    |
| <b>Country Code</b>   | EL   | <b>Country Name</b>             | Greece    |
| <b>Telephone No</b>   | +302106504272  | <b>Fax No.</b>                  |           |
| <b>E-mail</b>   | ggar@space.gr  | <b>Mobile</b>                   |           |
| <b>Curriculum Vitae</b>                                     | Dr. Georgios Gardikis holds a Dipl.Eng. (2000) and a PhD (2004) in Electrical and Computer Engineering from the National Technical University of Athens. He has been actively involved in several national and EU-funded R&D projects. He has been the Project Coordinator for the projects: ESA CloudSat, H2020 SHIELD, EDIDP PANDORA and HE PRIVATEER. He is Senior Member of the IEEE/Communications and Broadcast Technology Societies and Member of the Technical Chamber of Greece, also holding the PMP (Project Management Professional) certification. He is the author or co-author of more than 70 publications in international journals and refereed conferences/workshops. |                                 |           |
| <b>Financial Manager</b>                                    |  |                                 |           |
| <b>Title</b>  | Mrs  | <b>Gender: Female=F, Male=M</b> | F         |
| <b>Family Name</b>  | Katerina   | <b>First Name</b>               | Chimonaki |
| <b>Position</b>   | R&D Financial Project Manager  |                                 |           |
| <b>Activity leader</b>                                      |  |                                 |           |
| <b>Task leader</b>  |  |                                 |           |
| <b>Organisation Legal Name</b>                              | Space Hellas S.A. Telecommunications, IT, Security Systems and Services - Provision of security services Private Enterprise  |                                 |           |
| <b>Department/Room No.</b>                                  | R&D Department   |                                 |           |
| <b>Street Name and Number</b>                               | L. Dedousi 6   | <b>PO Box</b>                   | N/A       |
| <b>Post Code</b>  | 15562  | <b>Town/City</b>                | Athens    |

|                                |   |                                 |          |  |
|--------------------------------|---|---------------------------------|----------|--|
| <b>Country Code</b>            | EL  | <b>Country Name</b>             | Greece   |  |
| <b>Telephone No</b>            | +302106504272   | <b>Fax No.</b>                  |          |  |
| <b>E-mail</b>                  | kchimonaki@space.gr   | <b>Mobile</b>                   |          |  |
| <b>Curriculum Vitae</b>        |   |                                 |          |  |
| <b>Other personnel</b>         |   |                                 |          |  |
| <b>Title</b>                   | Mr  | <b>Gender: Female=F, Male=M</b> | M        |  |
| <b>Family Name</b>             | Costicoglou   | <b>First Name</b>               | Socrates |  |
| <b>Position</b>                | IT, Applications and R&D Director   |                                 |          |  |
| <b>Activity leader</b>         |   |                                 |          |  |
| <b>Task leader</b>             |   |                                 |          |  |
| <b>Organisation Legal Name</b> | Space Hellas S.A. Telecommunications, IT, Security Systems and Services - Provision of security services Private Enterprise   |                                 |          |  |
| <b>Department/Room No.</b>     | Division of IT, Applications and R&D  |                                 |          |  |
| <b>Street Name and No.</b>     | L. Dedousi 6  | <b>PO Box</b>                   | N/A      |  |
| <b>Post Code</b>               | 15562   | <b>Town/City</b>                | Athens   |  |
| <b>Country Code</b>            | EL  | <b>Country Name</b>             | Greece   |  |
| <b>Telephone No</b>            | +302106504272   | <b>Fax No.</b>                  |          |  |
| <b>E-mail</b>                  | scostic@space.gr  | <b>Mobile</b>                   |          |  |
| <b>Short Curriculum Vitae</b>  | Socrates Costicoglou holds a Dipl-Eng. degree in Computer Engineering from the University of Patras, Greece, and an MSc in Computer Engineering from Syracuse University, New York, USA. He is responsible for the management and execution of several projects, both commercial and R&D in the IT and Cloud domain. He has a large track record of successful international engagements in all covered positions. He has been the project coordinator of the H2020 FCT-10-2014 City.Risks Project. |                                 |          |  |

## 3.11 MOTOR OIL

| <b>MOTOR OIL (HELLAS) DIILISTIRIA KORINTHOU AE coordinates</b>   |   |                                 |                  |
|--|---|---------------------------------|------------------|
| <b>Legal information on the participating organisation</b>   |   |                                 |                  |
| <b>Participant Role</b>  | Beneficiary                                 | <b>Beneficiary No</b>           | 11               |
| <b>Organisation Legal Name</b>   | MOTOR OIL (HELLAS) DIILISTIRIA KORINTHOU AE | <b>Short Name</b>               | Motor Oil        |
| <b>Legal Registration No.</b>  | 272801000                                   | <b>VAT No.</b>                  | 094027509        |
| <b>Internet homepage</b>   | www.moh.gr                                  | <b>Cost Basis</b>               | Actual costs     |
| <b>Legal Address of the organisation</b>   |   |                                 |                  |
| <b>Street Name and No.</b>   | 12A Irodou Attikou                          | <b>PO Box</b>                   |                  |
| <b>Post Code</b>   | 151 24                                      | <b>Town/City</b>                | Maroussi, Athens |
| <b>Cedex</b>   | -   | <b>Country Name</b>             | Greece           |
| <b>Organisation profile</b>  |   |                                 |                  |
| <p>MOH is a leading energy company based in Greece. The company was founded in 1970 and the Refinery with its ancillary plants and offsite facilities forms the largest privately held industrial complex in Greece (Nelson Complexity Index 12,61) and is considered as one of the most modern refineries in Europe. It plays a leading role in the sectors of crude oil refining and marketing of petroleum products in Greece, as well as the greater eastern Mediterranean region, supplying its customers with a wide range of high-quality products.</p> <p>While at the same time it is active in the field of gas, electricity, natural gas trading and renewable energy sources. The Motor Oil Group supports the economy with exports to over 75 countries and continuous new investments. MOH, as a critical infrastructure, concerned about the technological excellence of its products and services, has been operating using innovative production methods as well as innovative control systems. Since its establishment, the company has been continuously investing in Research and Development, participating in European and National programs, collaborating and cooperating with higher education institutions and research centres in Greece and abroad, that have brought MOH at the cutting edge of technology, allowing it to apply methods and develop products that stand out for their quality.</p> <p>MOH follows an ongoing process of enhancing its portfolio of facilities and infrastructure with investments towards energy transition and the reengineering, upgrade, digitization and modernization of its information systems. With a constant goal of innovation and digital transformation, MOH enters the world of automation steadily. The company continuously makes investments in the implementation of new, technologically advanced and more efficient systems, to the refinery as well as the rest of its activities. Motor Oil Group has received major international distinctions for digital transformation and MOH has been awarded the FutureEdge 50 Award, a global institution that recognizes organizations that promote new technologies as a way to grow their business. MOH has received an SAP Innovation Award for its Predictive Maintenance and Asset Management Solutions. European Affairs Directorate is part of MOH organization chart. This Directorate has extensive experience and provides consulting services on the submission and management of national and European co-financed projects since 1990.</p> <p>MOH has successfully implemented more than 60 research projects and many innovative &amp; dissemination investment projects across the whole spectrum of activities of interest.</p> |   |                                 |                  |
| <b>First Authorised Legal Person for the purpose of contract signature</b>   |   |                                 |                  |
| <b>Title</b>   | Mr  | <b>Gender: Female=F, Male=M</b> | M                |
| <b>Family Name</b>   | Kosmadakis                                  | <b>First Name</b>               | Ioannis          |
| <b>Position</b>  | Deputy Managing Director                    |                                 |                  |

|   |   |                                 |                  |
|---|---|---------------------------------|------------------|
| <b>Telephone No</b>   | +302108094291   | <b>Fax No.</b>                  |                  |
| <b>E-mail</b>   | panagofa@moh.gr   | <b>Mobile</b>                   |                  |
| <b>Curriculum Vitae</b>                                     | He was born in 1952 and holds a master's degree in Chemical Engineering from the National Technical University of Athens. He has been working with the Company since 1978. From 1998 until 2018 he was the General Manager of Trading & Supply, he is a member of the Board of Directors of the Company since 1998 and one of the Deputy Managing Directors since 2005. Furthermore, Mr I. Kosmadakis is a member of the Sustainability Committee of the Company.   |                                 |                  |
| <b>Banking Information</b>                                  |   |                                 |                  |
| <b>Name of Bank</b>   | Piraeus Bank  |                                 |                  |
| <b>Street Name and No.</b>                                  | 30 Vasilissis Sofias  | <b>PO Box</b>                   |                  |
| <b>Post Code</b>  | 151 24  | <b>Town/City</b>                | Maroussi, Athens |
| <b>Country Code</b>   | EL  | <b>Country Name</b>             | Greece           |
| <b>Swift Code</b>   |   | <b>Sort Code</b>                |                  |
| <b>BIC</b>  |   |                                 |                  |
| <b>Account Number</b>                                       | MOTOR OIL (HELLAS) CORINTH REFINERIES S.A.  |                                 |                  |
| <b>IBAN</b>   | GR6601720140005014010537460   |                                 |                  |
| <b>Address of the main department carrying out the work</b> |   |                                 |                  |
| <b>Institute/Department/ Laboratory Name</b>                | IT Operations & Infrastructure  |                                 |                  |
| <b>Street Name and Number</b>                               | 12A Irodou Attikou  | <b>PO Box</b>                   | N/A              |
| <b>Post Code</b>  | 151 24  | <b>Town/City</b>                | Maroussi, Athens |
| <b>Country Code</b>   | EL  | <b>Country Name</b>             | Greece           |
| <b>Authorised contact person / Team Leader 1</b>            |   |                                 |                  |
| <b>Title</b>  | Mr  | <b>Gender: Female=F, Male=M</b> | M                |
| <b>Family Name</b>  | Chatzifotis   | <b>First Name</b>               | Konstantinos     |
| <b>Position</b>   | European Affairs Manager  |                                 |                  |
| <b>WP leader</b>  |   |                                 |                  |
| <b>Task leader</b>  |   |                                 |                  |
| <b>Organisation Legal Name</b>                              | Motor Oil (Hellas) Corinth Refineries S.A.  |                                 |                  |
| <b>Department/Room No.</b>                                  | European Affairs  |                                 |                  |
| <b>Street Name and No.</b>                                  | 12A Irodou Attikou  | <b>PO Box</b>                   | N/A              |
| <b>Post Code</b>  | 151 24  | <b>Town/City</b>                | Athens           |
| <b>Country Code</b>   | EL  | <b>Country Name</b>             | Greece           |
| <b>Telephone No</b>   | +302108094291   | <b>Fax No.</b>                  |                  |
| <b>E-mail</b>   | kchatzifotis@moh.gr   | <b>Mobile</b>                   |                  |
| <b>Curriculum Vitae</b>                                     | He is Manager of European Affairs of MOH Group since June 2021 and registered lawyer in Athens Bar Association (2005). He has served as Member of Cabinet of EU Commissioner for Migration, Home Affairs and Citizenship (Brussels, 2016-2018), Head of Cabinet of a Vice President of European Parliament (Brussels, 2005-2014), as well as coordinator of the Greek Ministry of Development during the Greek Presidency of the Council of the EU in 2014 and senior advisor of International and EU Affairs and Funding for various Ministers of the Greek Government (Ministry of Development, Ministry of Defence, Ministry of Agricultural |                                 |                  |

|                                |  |                                 |                  |
|--------------------------------|--|---------------------------------|------------------|
|                                | Development and Food). He has also advised and supported as external EU funding expert numerous Greek Ministries, Regional and Local Authorities in strategic planning, developing, promoting and managing EU co-funded programs and he has participated as legal expert in international ICT projects. He holds a DES in EU Law (ULB – Belgium), an LLM in ICT Law (KULeuven - Belgium), and a Bachelor of Laws (Aristotle University of Thessaloniki –Greece). He has received scholarships from the Alexandros Onassis Foundation and the Church of Greece. |                                 |                  |
| <b>Financial Manager</b>       |  |                                 |                  |
| <b>Title</b>                   | Mrs  | <b>Gender: Female=F, Male=M</b> | F                |
| <b>Family Name</b>             | Panagopoulou   | <b>First Name</b>               | Fani             |
| <b>Position</b>                | Project Management   |                                 |                  |
| <b>Activity leader</b>         |  |                                 |                  |
| <b>Task leader</b>             |  |                                 |                  |
| <b>Organisation Legal Name</b> | MOTOR OIL (HELLAS) CORINTH REFINERIES S.A.   |                                 |                  |
| <b>Department/Room No.</b>     | European Affairs   |                                 |                  |
| <b>Street Name and No.</b>     | 12A Irodou Attikou   | <b>PO Box</b>                   | N/A              |
| <b>Post Code</b>               | 151 24   | <b>Town/City</b>                | Maroussi, Athens |
| <b>Country Code</b>            | EL   | <b>Country Name</b>             | Greece           |
| <b>Telephone No</b>            | +302108093374  | <b>Fax No.</b>                  |                  |
| <b>E-mail</b>                  | panagofa@moh.gr  | <b>Mobile</b>                   |                  |
| <b>Curriculum Vitae</b>        | Holds a Bachelor Degree in Management Science & Technology from Athens University of Economics and Business. She has worked in the Human Resources Department of KONKAT ATE. Since 2006 she is a member of the European Affairs Division of Motor Oil Group, having great experience in the implementation, management and monitoring of many EU and National research, demonstration and investment projects.   |                                 |                  |

## 3.12 ICCS

| <b>INSTITUTE OF COMMUNICATION AND COMPUTER SYSTEMS (ICCS) coordinates</b>   |   |                       |              |
|---|---|-----------------------|--------------|
| <b>Legal information on the participating organisation</b>  |   |                       |              |
| <b>Participant Role</b>   | Beneficiary   | <b>Beneficiary No</b> | 12           |
| <b>Organisation Legal Name</b>  | INSTITUTE OF COMMUNICATION AND COMPUTER SYSTEMS         | <b>Short Name</b>     | ICCS         |
| <b>Legal Registration No.</b>   |   | <b>VAT No.</b>        | EL 090162593 |
| <b>Internet homepage</b>  | <a href="https://www.iccs.gr/">https://www.iccs.gr/</a> | <b>Cost Basis</b>     |              |
| <b>Legal Address of the organisation</b>  |   |                       |              |
| <b>Street Name and No.</b>  | Patission 42 Str  | <b>PO Box</b>         |              |
| <b>Post Code</b>  | 10682   | <b>Town/City</b>      | Athens       |
| <b>Cedex</b>  | -   | <b>Country Name</b>   | Greece       |
| <b>Organisation profile</b>   |   |                       |              |
| <p>The Institute of Communications and Computer Systems of the National Technical University of Athens (ICCS/NTUA) was founded in 1989, as the research arm of the School of Electrical and Computer Engineering of the NTUA (SECE-NTUA), with which it is associated, in the field of telecommunications systems and computer systems. The primary mandate of ICCS has been to provide the facilities and organizational environment through which research could be performed and through which post-graduate students could receive research stipends and researchers could be employed. At present ICCS employs more than 500 researchers including SECE faculty staff, senior research scientists, and PhD students.</p> <p>Since its foundation ICCS has evolved to exploit the strengths of the discipline of electrical and computer engineering, based on the quality of the students and faculty of SECE-NTUA. SECE-NTUA has been consistently the top choice for school leavers and ranked as the first or second, hardest university school to enter in all 93 schools in the national university entrance exams. SECE-NTUA faculty, have equally impressive scientific profiles, having had graduate tuition in having served in top US, Canadian and European universities as Stanford, Berkeley, Harvard, Imperial College, etc. or research organizations as AT&amp;T Bell Laboratories. In recognition as technology innovators several of the faculty members of SECE-NTUA have been appointed to key national and European posts. ICCS participates in a broad range of EC funded subjects that essentially reflects the multi-disciplinary nature of electrical and computer engineering. The Institute of Communications and Computer Systems of the National Technical University of Athens (ICCS/NTUA) was founded in 1989, as the research arm of the School of Electrical and Computer Engineering of the NTUA (SECE-NTUA), with which it is associated, in the field of telecommunications systems and computer systems. The primary mandate of ICCS has been to provide the facilities and organizational environment through which research could be performed and through which post-graduate students could receive research stipends and researchers could be employed. At present ICCS employs more than 500 researchers including SECE faculty staff, senior research scientists, and PhD students. Since its foundation ICCS has evolved to exploit the strengths of the discipline of electrical and computer engineering, based on the quality of the students and faculty of SECE-NTUA. SECE-NTUA has been consistently the top choice for school leavers and ranked as the first or second, hardest university school to enter in all 93 schools in the national university entrance exams. SECE-NTUA faculty, have equally impressive scientific profiles, having had graduate tuition in having served in top US, Canadian and European universities as Stanford, Berkeley, Harvard, Imperial College, etc. or research organizations as AT&amp;T Bell Laboratories. In recognition as technology innovators several of the faculty members of SECE-NTUA have been appointed to key national and European posts. ICCS participates in a broad range of EC funded subjects that essentially reflects the multi-disciplinary nature of electrical and computer engineering.</p> |   |                       |              |

|  |  |                                 |                          |
|--|--|---------------------------------|--------------------------|
| PCRL runs a fully equipped laboratory with state-of-the-art test and measurement systems and a broad range of passive and active photonic devices. The group has worldwide links and collaborations with top research institutes and industrial research organizations and its activities are supported by industrial grants as well as national and EU funded research programs. PCRL has significant presence and a proven track record with successful participation and leadership in a number of European projects like ICT-5G-COMplete, ICT-Int5Gent, ICT-TWILIGHT, ICT-SEER, ICT-5GPHOS, FET-Flagship UNIQORN, ICT-QAMELEON, ICT-ORCESTRa, ICT-NEPHELE, ICT-HAMLET, ICT-SPIRIT, ICT-PANTHER, ICT-POLYSYS, ICT-MIRAGE, ICT-PHOXTROT, ICT-PLATON, ICT-BOOM, ICT-APACHE, ICT-EUROFOS, ICT-BONE, CRAFT-MULTIWAVE, IST-LASAGNE, IST-MUFINS, IST-e-Photon/One, ESPRIT DO-ALL. |  |                                 |                          |
| <b>First Authorised Legal Person for the purpose of contract signature</b>   |  |                                 |                          |
| <b>Title</b>   | Professor  | <b>Gender: Female=F, Male=M</b> | M                        |
| <b>Family Name</b>   | Psarras  | <b>First Name</b>               | Ioannis                  |
| <b>Position</b>  | Director   |                                 |                          |
| <b>Telephone No</b>  | +30 210-7724374  | <b>Fax No.</b>                  |                          |
| <b>E-mail</b>  | director@iccs.gr   | <b>Mobile</b>                   |                          |
| <b>Curriculum Vitae</b>  | Psarras Ioannis is a full Professor of the School of Electrical and Computer Engineering at the National Technical University of Athens (NTUA). He is the current director of The Institute of Communications and Computer Systems of the National Technical University of Athens (ICCS/NTUA) and he also heads Decision Support Systems (DSS) Laboratory. |                                 |                          |
| <b>Address of the main department carrying out the work</b>  |  |                                 |                          |
| <b>Institute/Department / Laboratory Name</b>  | Photonics Communications Research Laboratory   |                                 |                          |
| <b>Street Name and No.</b>   | 9 Iroon Polytechniou Str.  | <b>PO Box</b>                   | N/A                      |
| <b>Post Code</b>   | 15780  | <b>Town/City</b>                | Zografou Campus - Athens |
| <b>Country Code</b>  | EL   | <b>Country Name</b>             | Greece                   |
| <b>Authorised contact person / Team Leader 1</b>   |  |                                 |                          |
| <b>Title</b>   | Prof.  | <b>Gender: Female=F, Male=M</b> | M                        |
| <b>Family Name</b>   | Avramopoulos   | <b>First Name</b>               | Hercules                 |
| <b>Position</b>  | Professor  |                                 |                          |
| <b>WP leader</b>   |  |                                 |                          |
| <b>Task leader</b>   |  |                                 |                          |
| <b>Organisation Legal Name</b>   | INSTITUTE OF COMMUNICATION AND COMPUTER SYSTEMS  |                                 |                          |
| <b>Department/Room No.</b>   | School of Electrical and Computer Engineering - National Technical University of Athens  |                                 |                          |
| <b>Street Name and No.</b>   | 9 Iroon Polytechniou Str.  | <b>PO Box</b>                   | N/A                      |
| <b>Post Code</b>   | 15780  | <b>Town/City</b>                | Zografou Campus - Athens |
| <b>Country Code</b>  | EL   | <b>Country Name</b>             | Greece                   |
| <b>Telephone No</b>  | +30 210-7722076  | <b>Fax No.</b>                  | +30 210-7722077          |
| <b>E-mail</b>  | hav@mail.ntua.gr   | <b>Mobile</b>                   |                          |



|                                |   |                                 |                          |   |  |
|--------------------------------|---|---------------------------------|--------------------------|---|--|
| <b>Curriculum Vitae</b>        | <p>Hercules Avramopoulos is a full Professor of the School of Electrical and Computer Engineering at the National Technical University of Athens (NTUA). He also heads the Photonics Communications Research Laboratory-PCRL, that he founded in 1995 and that currently numbers 31 doctoral, post-doctoral researchers and support personnel. Before this he has worked in Area 11 (the research area) of AT&amp;T Bell Laboratories, Holmdel, NJ, as a member of technical staff. He has performed and led blue-sky and applied research to turn photonics concepts into applied solutions for telecoms, datacoms and sensing. He has initiated and successfully lead more than 23 large, collaborative, cross-European, research projects. He has authored/co-authored around 500 articles in peer reviewed international journals and conference presentations and holds several international patents. He has also served in posts as Panel Member of the European Research Council (ERC), member of conference program committees (currently for the European Conference in Photonic Communications (ECOC)), has been an active member of the Board of Stakeholders of the Photonics 21 Association and others. Most happily he has been the advisor of 35 young engineers and physicists that have completed their research towards their PhDs and a further 11 are currently at various stages of the completion of their research at PCRL. They have attracted several distinctions at a national and international level. Seven of the alumni of PCRL are now faculty academics in Greek universities and have developed independent research lines while others have attained high profile posts in industry and two of them have spawned 2 start-ups.</p> |                                 |                          |   |  |
| <b>Other personnel</b>         |   |                                 |                          |   |  |
| <b>Title</b>                   | Dr.   | <b>Gender: Female=F, Male=M</b> |                          | M |  |
| <b>Family Name</b>             | Giannoulis  | <b>First Name</b>               | Giannis                  |   |  |
| <b>Position</b>                | Post-Doctoral Researcher  |                                 |                          |   |  |
| <b>Activity leader</b>         | WP3   |                                 |                          |   |  |
| <b>Task leader</b>             | T2.4  | T2.5                            | T5.2                     |   |  |
| <b>Organisation Legal Name</b> | INSTITUTE OF COMMUNICATION AND COMPUTER SYSTEMS   |                                 |                          |   |  |
| <b>Department/Room No.</b>     | School of Electrical and Computer Engineering - National Technical University of Athens   |                                 |                          |   |  |
| <b>Street Name and No.</b>     | 9 Iroon Polytechniou Str.   | <b>PO Box</b>                   | N/A                      |   |  |
| <b>Post Code</b>               | 15780   | <b>Town/City</b>                | Zografou Campus - Athens |   |  |
| <b>Country Code</b>            | EL  | <b>Country Name</b>             | GREECE                   |   |  |
| <b>Telephone No</b>            | +30 210-7722871   | <b>Fax No.</b>                  |                          |   |  |
| <b>E-mail</b>                  | j.giannou@mail.ntua.gr  | <b>Mobile</b>                   |                          |   |  |
| <b>Curriculum Vitae</b>        | <p>Dr. Giannis Giannoulis received his PhD in 2017 working on plasmonic circuitries for switching concepts and he is now a postdoctoral researcher at the Photonics Communications Research Laboratory (PCRL). His research interests are focused on next generation optical technologies and networks assisting the needs of 5G/B5G infrastructure and the security of its optical transport layer. His research also focuses on the design and development of novel optical systems/sub-systems in the field of emerged Quantum Communications. He has actively participated in several H2020-funded projects while he is currently involved in the frame of 5G-PPP as well in the Quantum Technologies Flagship. Dr. Giannoulis is the author or co-author of more than 55 publications in top of the line journals and presentations in the most prestigious and highly competitive optical fiber technology conferences.</p>   |                                 |                          |   |  |
| <b>Other personnel</b>         |   |                                 |                          |   |  |
| <b>Title</b>                   | Dr.   | <b>Gender: Female=F, Male=M</b> |                          | M |  |
| <b>Family Name</b>             | Lyras   | <b>First Name</b>               | Nikolaos                 |   |  |

|                                |  |                                 |                          |  |
|--------------------------------|--|---------------------------------|--------------------------|--|
| <b>Position</b>                | Post-Doctoral Researcher   |                                 |                          |  |
| <b>Activity leader</b>         |  |                                 |                          |  |
| <b>Task leader</b>             |  |                                 |                          |  |
| <b>Organisation Legal Name</b> | INSTITUTE OF COMMUNICATION AND COMPUTER SYSTEMS  |                                 |                          |  |
| <b>Department/Room No.</b>     | School of Electrical and Computer Engineering - National Technical University of Athens  |                                 |                          |  |
| <b>Street Name and No.</b>     | 9 Iroon Polytechniou Str.  | <b>PO Box</b>                   | N/A                      |  |
| <b>Post Code</b>               | 15780  | <b>Town/City</b>                | Zografou Campus - Athens |  |
| <b>Country Code</b>            | EL   | <b>Country Name</b>             | GREECE                   |  |
| <b>Telephone No</b>            | +30 210-7722871  | <b>Fax No.</b>                  |                          |  |
| <b>E-mail</b>                  | lyrasnikos@mail.ntua.gr  | <b>Mobile</b>                   |                          |  |
| <b>Curriculum Vitae</b>        | Dr. Nikolaos K. Lyras was born in Kalamata, Greece in 1991. He received the Diploma degree in Electrical and Computer Engineering and the Dr. Engineering Degree from the National Technical University of Athens (NTUA), Athens, Greece, in February 2015 and July 2019, respectively. His PhD Thesis concerned the system level engineering of optical satellite communication systems. He has been involved in 7 European Space Agency and 2 European Union funded research projects. Nikolaos has published more than 30 contributions in international refereed journals and conferences. He has been awarded with George & Viktoria Karelia Foundation Scholarship for his PhD studies, in 2016. His experience includes optical communication systems design, system level engineering for wireless and satellite communication networks, channel modeling and data analysis among others.  |                                 |                          |  |
| <b>Other personnel</b>         |  |                                 |                          |  |
| <b>Title</b>                   | Dr.  | <b>Gender: Female=F, Male=M</b> | M                        |  |
| <b>Family Name</b>             | Stathis  | <b>First Name</b>               | Aristeidis               |  |
| <b>Position</b>                | Post-Doctoral Researcher   |                                 |                          |  |
| <b>Activity leader</b>         |  |                                 |                          |  |
| <b>Task leader</b>             | T3.2   | T6.4                            |                          |  |
| <b>Organisation Legal Name</b> | INSTITUTE OF COMMUNICATION AND COMPUTER SYSTEMS  |                                 |                          |  |
| <b>Department/Room No.</b>     | School of Electrical and Computer Engineering - National Technical University of Athens  |                                 |                          |  |
| <b>Street Name and No.</b>     | 9 Iroon Polytechniou Str.  | <b>PO Box</b>                   | N/A                      |  |
| <b>Post Code</b>               | 15780  | <b>Town/City</b>                | Zografou Campus - Athens |  |
| <b>Country Code</b>            | EL   | <b>Country Name</b>             | GREECE                   |  |
| <b>Telephone No</b>            | +30 210-7722871  | <b>Fax No.</b>                  |                          |  |
| <b>E-mail</b>                  | stathisar@ntua.gr  | <b>Mobile</b>                   |                          |  |
| <b>Curriculum Vitae</b>        | Dr. Aristeidis Stathis received his bachelor's degree in Physics from University of Patras (Greece) in 2017 and his M.Sc. degree in «Materials Physics and Technology – Photonics» from the University of Patras (Greece) in 2019. His thesis was carried out at the Non-Linear Optics and Laser Applications Laboratory (NLOLA) and concerned the nonlinear optical response of 2D materials like graphene and silicene, nanoribbons, Polycyclic Aromatic Hydrocarbons (PAHs), and other carbon-based nanomaterials. He received his Ph.D. in July 2022 investigating the nonlinear optical response and dynamics of graphene thin films and novel synthesized functionalized graphene derivatives used in photonic applications. He is a member of Photonics Communication Research Laboratory (PCRL) as a Post-Doctoral/Senior Researcher since September 2022. His current interests lie on the experimental investigation of photonic platforms for both Classical and Quantum Photonic Platforms and on the integration of |                                 |                          |  |

|  |   |                                 |                          |
|--|---|---------------------------------|--------------------------|
| Quantum Key Distribution (QKD) in Practical Deployments. Dr. Aristeidis Stathis is the author or co-author of more than 20 publications in international peer-reviewed journals. |   |                                 |                          |
| <b>Other personnel</b>   |   |                                 |                          |
| <b>Title</b>   | Mr  | <b>Gender: Female=F, Male=M</b> | M                        |
| <b>Family Name</b>   | Ntanos  | <b>First Name</b>               | Argyris                  |
| <b>Position</b>  | PhD Student   |                                 |                          |
| <b>Activity leader</b>   |   |                                 |                          |
| <b>Task leader</b>   |   |                                 |                          |
| <b>Organisation Legal Name</b>   | INSTITUTE OF COMMUNICATION AND COMPUTER SYSTEMS   |                                 |                          |
| <b>Department/Room No.</b>   | School of Electrical and Computer Engineering - National Technical University of Athens   |                                 |                          |
| <b>Street Name and No.</b>   | 9 Iroon Polytechniou Str.   | <b>PO Box</b>                   | N/A                      |
| <b>Post Code</b>   | 15780   | <b>Town/City</b>                | Zografou Campus - Athens |
| <b>Country Code</b>  | EL  | <b>Country Name</b>             | GREECE                   |
| <b>Telephone No</b>  | +30 210-7722871   | <b>Fax No.</b>                  |                          |
| <b>E-mail</b>  | ntanosargiris@mail.ntua.gr  | <b>Mobile</b>                   |                          |
| <b>Short Curriculum Vitae</b>  | Argiris Ntanos received his Diploma in Electrical and Computer Engineering from National Technical University of Athens (NTUA) in 2020, after accomplishing his degree thesis concerning Quantum Key Distribution in the Photonics Communications Research Laboratory. Since then, he is a member of the Photonics Communications Research Laboratory. His research activities include Quantum Communication Technologies such as Quantum Key Distribution over Fiber and Free Space. |                                 |                          |

## 3.13 UNILU

| University of Luxembourg (UNILU) coordinates  |                           |                       |                  |
|---|---------------------------|-----------------------|------------------|
| <b>Legal information on the participating organisation</b>  |                           |                       |                  |
| <b>Participant Role</b>   | Beneficiary               | <b>Beneficiary No</b> | 13               |
| <b>Organisation Legal Name</b>  | University of Luxembourg  | <b>Short Name</b>     | UNILU            |
| <b>Legal Registration No.</b>   |                           | <b>VAT No.</b>        | LU19805732       |
| <b>Internet homepage</b>  | www.uni.lu                | <b>Cost Basis</b>     | Actual           |
| <b>Legal Address of the organisation</b>  |                           |                       |                  |
| <b>Street Name and No.</b>  | 2, avenue de l'Université | <b>PO Box</b>         |                  |
| <b>Post Code</b>  | L-4365                    | <b>Town/City</b>      | Esch-sur-Alzette |
| <b>Cedex</b>  | L-4365                    | <b>Country Name</b>   | Luxembourg       |
| <b>Organisation profile</b>   |                           |                       |                  |
| <p>"SnT - Interdisciplinary Centre for Security, Reliability and Trust is part of the University of Luxembourg. SnT conducts internationally competitive research in information and communication technology, ICT, with high relevance creating socio-economic impact. In addition to long-term, high-risk research, SnT engages in demand driven collaborative projects with industry and the public sector. Therefore the centre has set up a Partnership Programme with over 60 members targeting strategic areas addressing challenges confronting industry and the public sector in ICT. These resulting concepts present a genuine, long-lasting competitive advantage for companies in Luxembourg and beyond.</p> <p>SnT has undergone a rapid development since its launch in 2009; recruiting top scientists, launching over 100 EU and ESA projects, creating a Technology Transfer Office, protecting and licensing IP, launching six spin-offs, and creating a dynamic interdisciplinary research environment with some 450 people. SnT's strategic research priorities are: SpaceSystems, FinTech, Cybersecurity, Autonomous Vehicles and IoT. SIGCOM Research Group is specifically involved in the project. The research group focuses on Communications &amp; Networking systems and is headed by Prof. Chatziotas.</p> <p>The research areas focus on the formulation, modelling, design, and analysis of 6G communication networks that can support innovative services in a cost-efficient manner. Use cases of interest include IoT verticals, unmanned aerial vehicles, integrated satellite-terrestrial networks, quantum communications and key distribution, spectrum management and coexistence, tactile Internet, and autonomous transportation. As far as technical enablers are concerned, we leverage expertise on massive MIMO cell-free communications, smart-radio environments using intelligent surfaces, machine-type and ultra-reliable and low-latency communications, edge computing &amp; caching, RAN slicing, and network softwarization &amp; virtualization. Finally, due to the large-scale nature, complexity, and heterogeneity of 5G and beyond networks, for their analysis and optimization we use mathematical tools such as machine learning, graph theory and graph-signal processing, multivariate statistics and convex/non-convex optimization.</p> <p>University of Luxembourg and SnT with its Sigcom research group are coordinating the Lux4QCI project funded by the European Union, under Digital Europe Programme, Grant Agreement n°101091508, which aims to deliver the first experimental QCI network in Luxembourg. A distinctive feature is the by-design integration between the FO-based terrestrial and the FSO-based satellite segment. Lux4QCI envisions making Luxembourg a QCI front-runner and a hub for secure key distribution across the EU. To achieve those goals, Lux4QCI will identify use cases of interest, including governmental communications and sensitive data transfer among data-centres, for application scenarios of QKD-enhanced secure communications. Subsequently, it will design the system architecture and the underlying QCI network topology. A security analysis of selected architectural elements of</p> |                           |                       |                  |

the proposed QCI will then be conducted. Selection, procurement, integration, and experimental testing of the HW and SW components of the QCI network will be performed. The intended QCI will be nationally deployed through multiple terrestrial optical fibres running hundreds of kms and interconnecting at least 5 PoPs. The network will rely on a hybrid configuration combining multiple QKD technologies (e.g. P&M, MDI) over a range of multihop topologies (e.g. star, serial, tree). Further, the international Lux4QCI connectivity will be emulated through OGS interfaces towards already planned satellite assets, i.e. EAGLE-1. In this context, a secure KMS enabling inter-domain connections while also leveraging additional cryptographic primitives and blockchain technology will be developed. Joint key and data stream routing will be implemented via SDN flow management, whereas joint key storage management and routing will be tackled by VNF in the orchestrator. Lux4QCI will pave the way for future interconnectivity bilaterally with other national QCIs, and multilaterally in the context of EuroQCI. In the national context, the project shall increase the maturity of QCI applications by community building, open testbed creation as well as professional training through the Luxembourg Competence Centre.

### First Authorised Legal Person for the purpose of contract signature

|                         |   |                                 |      |
|-------------------------|---|---------------------------------|------|
| <b>Title</b>            | Prof.   | <b>Gender: Female=F, Male=M</b> | M    |
| <b>Family Name</b>      | KREISEL   | <b>First Name</b>               | Jens |
| <b>Position</b>         | Rector  |                                 |      |
| <b>Telephone No</b>     | +352 46 66 44 9499  | <b>Fax No.</b>                  |      |
| <b>E-mail</b>           | Jens.kreisel@uni.lu   | <b>Mobile</b>                   |      |
| <b>Curriculum Vitae</b> | <a href="https://wwwen.uni.lu/research/jens_kreisel">https://wwwen.uni.lu/research/jens_kreisel</a> |                                 |      |

### Address of the main department carrying out the work

|  |  |                     |            |
|--|--|---------------------|------------|
| <b>Institute/Department/<br/>Laboratory Name</b> | Interdisciplinary Centre for Security, Reliability and Trust |                     |            |
| <b>Street Name and No.</b>                       | 29, Avenue J.F Kennedy                                       | <b>PO Box</b>       | N/A        |
| <b>Post Code</b>                                 | L-1855   | <b>Town/City</b>    | Luxembourg |
| <b>Country Code</b>                              | LU   | <b>Country Name</b> | Luxembourg |

### Authorised contact person / Team Leader 1

|                                |  |                                 |            |
|--------------------------------|--|---------------------------------|------------|
| <b>Title</b>                   | Prof   | <b>Gender: Female=F, Male=M</b> | M          |
| <b>Family Name</b>             | Chatzinotas  | <b>First Name</b>               | Symeon     |
| <b>Position</b>                | Head of Research Group   |                                 |            |
| <b>WP leader</b>               |  |                                 |            |
| <b>Task leader</b>             |  |                                 |            |
| <b>Organisation Legal Name</b> | University of Luxembourg   |                                 |            |
| <b>Department/Room No.</b>     |  |                                 |            |
| <b>Street Name and No.</b>     | 29, Avenue J.F Kennedy   | <b>PO Box</b>                   | N/A        |
| <b>Post Code</b>               | L-1855   | <b>Town/City</b>                | Luxembourg |
| <b>Country Code</b>            | LU   | <b>Country Name</b>             | Luxembourg |
| <b>Telephone No</b>            | +352 46 66 44 5767   | <b>Fax No.</b>                  |            |
| <b>E-mail</b>                  | symeon.chatzinotas@uni.lu  | <b>Mobile</b>                   |            |
| <b>Curriculum Vitae</b>        | Symeon Chatzinotas (MEng, MSc, PhD, FIEEE) is currently Full Professor / Chief Scientist I and Head of the research group SIGCOM in the Interdisciplinary Centre for Security, Reliability and Trust, University of Luxembourg. In the past, he has lectured as Visiting Professor at the University of Parma, Italy and contributed in numerous R&D projects for the Institute of Informatics & Telecommunications, National Center for Scientific Research |                                 |            |

|                                |   |                                 |            |  |
|--------------------------------|---|---------------------------------|------------|--|
|                                | <p>“Demokritos,” the Institute of Telematics and Informatics, Center of Research and Technology Hellas and Mobile Communications Research Group, Center of Communication Systems Research, University of Surrey. He has received the M.Eng. in Telecommunications from Aristotle University of Thessaloniki, Greece and the M.Sc. and Ph.D. in Electronic Engineering from University of Surrey, UK in 2003, 2006 and 2009 respectively. He has authored more than 700 technical papers in refereed international journals, conferences and scientific books and has received numerous awards and recognitions, including the IEEE Fellowship and an IEEE Distinguished Contributions Award. He is currently in the editorial board of the IEEE Transactions on Communications, IEEE Open Journal of Vehicular Technology and the International Journal of Satellite Communications and Networking.</p> |                                 |            |  |
| <b>Financial Manager</b>       |   |                                 |            |  |
| <b>Title</b>                   | Mrs   | <b>Gender: Female=F, Male=M</b> | F          |  |
| <b>Family Name</b>             | MOKHTARI  | <b>First Name</b>               | Nadine     |  |
| <b>Position</b>                | Financial Controller  |                                 |            |  |
| <b>Activity leader</b>         |   |                                 |            |  |
| <b>Task leader</b>             |   |                                 |            |  |
| <b>Organisation Legal Name</b> | University of Luxembourg  |                                 |            |  |
| <b>Department/Room No.</b>     |   |                                 |            |  |
| <b>Street Name and No.</b>     | 29, Avenue J.F Kennedy  | <b>PO Box</b>                   | N/A        |  |
| <b>Post Code</b>               | L-1855  | <b>Town/City</b>                | Luxembourg |  |
| <b>Country Code</b>            | LU  | <b>Country Name</b>             | Luxembourg |  |
| <b>Telephone No</b>            | +352 46 66 44 6542  | <b>Fax No.</b>                  |            |  |
| <b>E-mail</b>                  |   | <b>Mobile</b>                   |            |  |
| <b>Curriculum Vitae</b>        |   |                                 |            |  |
| <b>Other personnel</b>         |   |                                 |            |  |
| <b>Title</b>                   | Dr  | <b>Gender: Female=F, Male=M</b> | M          |  |
| <b>Family Name</b>             | MERLANO DUNCAN  | <b>First Name</b>               | Juan       |  |
| <b>Position</b>                | Research Scientist  |                                 |            |  |
| <b>Activity leader</b>         |   |                                 |            |  |
| <b>Task leader</b>             |   |                                 |            |  |
| <b>Organisation Legal Name</b> | University of Luxembourg  |                                 |            |  |
| <b>Department/Room No.</b>     |   |                                 |            |  |
| <b>Street Name and No.</b>     | 29, Avenue J.F Kennedy  | <b>PO Box</b>                   | N/A        |  |
| <b>Post Code</b>               | L-1855  | <b>Town/City</b>                | Luxembourg |  |
| <b>Country Code</b>            | LU  | <b>Country Name</b>             | Luxembourg |  |
| <b>Telephone No</b>            | +352 46 66 44 6991  | <b>Fax No.</b>                  |            |  |
| <b>E-mail</b>                  | juan.duncan@uni.lu  | <b>Mobile</b>                   |            |  |
| <b>Curriculum Vitae</b>        | <p>Dr. Juan C. Merlano Duncan (Senior Member, IEEE) received the Diploma degree in electrical engineering from the Universidad del Norte, Barranquilla, Colombia, in 2004, the M.Sc. and Ph.D. Diploma (Cum Laude) degrees from the Universitat Politècnica de Catalunya (UPC), Barcelona, Spain, in 2009 and 2012, respectively. His research interests include wireless communications, remote sensing, distributed systems, frequency distribution and carrier synchronization systems, software-defined radios, and embedded systems. At UPC, he was responsible for the design and implementation of a radar system known as SABRINA, which was the first ground-based bistatic radar receiver using space-borne platforms, such as ERS-</p>   |                                 |            |  |

|                                |  |                                 |            |   |
|--------------------------------|--|---------------------------------|------------|---|
|                                | 2, ENVISAT, and TerraSAR-X as opportunity transmitters (C and X bands). He was also the in charge of the implementation of a ground-based array of transmitters, which was able to monitor land subsidence with subwavelength precision. These two implementations involved FPGA design, embedded programming, and analog RF/Microwave design. In 2013, he joined the Institute National de la Recherche Scientifique, Montreal, Canada, as a Research Assistant with the design and implementation of cognitive radio networks employing software development and FPGA programming. He joined the University of Luxembourg, Esch-sur-Alzette, Luxembourg, where he currently works as a Research Scientist with the COMMLAB laboratory working on SDR implementation of satellite and terrestrial communication systems and passive remote sensing systems  |                                 |            |   |
| <b>Other personnel</b>         |  |                                 |            |   |
| <b>Title</b>                   | Dr   | <b>Gender: Female=F, Male=M</b> |            | M |
| <b>Family Name</b>             | Alves Martins  | <b>First Name</b>               | Wallace    |   |
| <b>Position</b>                | Research Scientist   |                                 |            |   |
| <b>Activity leader</b>         |  |                                 |            |   |
| <b>Task leader</b>             |  |                                 |            |   |
| <b>Organisation Legal Name</b> | University of Luxembourg   |                                 |            |   |
| <b>Department/Room No.</b>     |  |                                 |            |   |
| <b>Street Name and No.</b>     | 29, Avenue J.F Kennedy   | <b>PO Box</b>                   | N/A        |   |
| <b>Post Code</b>               | L-1855   | <b>Town/City</b>                | Luxembourg |   |
| <b>Country Code</b>            | LU   | <b>Country Name</b>             | Luxembourg |   |
| <b>Telephone No</b>            | +352 46 66 44 6991   | <b>Fax No.</b>                  |            |   |
| <b>E-mail</b>                  | wallace.alvesmartins@uni.lu  | <b>Mobile</b>                   |            |   |
| <b>Curriculum Vitae</b>        | <p>Dr Wallace A. Martins received his D.Sc. degree in Electrical Engineering from the Federal University of Rio de Janeiro (UFRJ, Brazil) in December 2011. He was with UFRJ from 2013 until 2022 as a tenured Associate Professor, and also worked as Academic Coordinator (Electronics and Computer Eng. undergraduate course) and Deputy Department Chairman (DEL/Poli/UFRJ) in the period 2016-2017. Dr. Martins is a member (Associate Editor) of the editorial boards for the IEEE Signal Processing Letters and for the EURASIP Journal on Advances in Signal Processing. He serves in the EURASIP Technical Area Committee (TAC) Theoretical and Methodological Trends in Signal Processing. He is also an IEEE Senior Member and an ADR (Right to Supervise Doctoral Candidates) holder (University of Luxembourg). He has been Visiting Researcher with the University of Notre Dame (USA, 2008), Université de Lille 1 (France, 2016), and Universidad de Alcalá (Spain, 2018). For over 13 years, he has been working in research projects with several multinational companies, including Nokia, HP Labs, GE, Siemens, Halliburton, Thales Alenia Space, and SES. He was the recipient of the Best Student Paper Award from EURASIP at EUSIPCO-2009, Glasgow, Scotland, the 2011 Best Brazilian D.Sc. Dissertation Award from Capes, and the 2020 Best Paper Award from the Brazilian Telecommunication Society at SBrT-2020, Florianópolis, Brazil. Other significant achievements include: coauthor of the Matlab toolbox on adaptive filtering with more than 32,500 downloads; awarded with the Got Energy Talent fellowship from the Universidad de Alcalá (Spain, 2019) in the context of the Horizon 2020 Marie Skłodowska-Curie Actions; awarded with the Productivity Scholarship (Brazil, 2016 and 2019) by CNPq (a Brazilian research council), which is a prestigious national award comprising a salary top-up during 3 years; awarded with the Young Scientist Scholarship (Brazil, 2016 and 2019) by Faperj (a Brazilian research council), which is a prestigious regional award comprising monthly research stipend during 3 years; awarded with Cum Laude degree in the B.Eng. in Electronics (UFRJ, 2007).</p> |                                 |            |   |



## 3.14 SETU/WIT

| <b>SOUTH EAST TECHNOLOGICAL UNIVERSITY (SETU) coordinates</b>  |  |                                 |           |
|--|--|---------------------------------|-----------|
| <b>Legal information on the participating organisation</b>   |  |                                 |           |
| <b>Participant Role</b>  | Beneficiary  | <b>Beneficiary No</b>           | 14        |
| <b>Organisation Legal Name</b>   | South East Technological University  | <b>Short Name</b>               | SETU/WIT  |
| <b>Legal Registration No.</b>  |  | <b>VAT No.</b>                  |           |
| <b>Internet homepage</b>   | <a href="https://www.setu.ie/">https://www.setu.ie/</a><br><a href="https://waltoninstitute.ie">https://waltoninstitute.ie</a> | <b>Cost Basis</b>               |           |
| <b>Legal Address of the organisation</b>   |  |                                 |           |
| <b>Street Name and No.</b>   | Cork road campus   | <b>PO Box</b>                   |           |
| <b>Post Code</b>   | X91 K0EK   | <b>Town/City</b>                | Waterford |
| <b>Cedex</b>   | -  | <b>Country Name</b>             | Ireland   |
| <b>Organisation profile</b>  |  |                                 |           |
| <p>South East Technological University is the first technological university in south east Ireland. This gives us an exciting platform to establish our community as a centre for innovation, opportunity, and growth. Through exceptional learning and collaboration, we aim to transform the ambitions of learners, researchers, and businesses across the south east and beyond. SETU Waterford is recognised as the leading research performer in the University sector with research activities that are internationally benchmarked, strategic, and economically relevant.</p> <p>Walton Institute, based in SETU, is a cornerstone of ICT research and development activity in Ireland since 1996. Based in the idyllic setting of South East Technological University (SETU)'s West Campus at Carriganore, Walton Institute undertakes cutting edge research blending fundamental science with real world commercial applications. Formerly known as the Telecommunications Software &amp; Systems Group (TSSG), the aim of the Institute is to investigate futuristic next-generation technologies, to verify their capabilities and applicability for today's society, and to work in collaboration with industry to ensure their commercialisation. Walton Institute encourages inter-disciplinary research with prominent national and international reputation and competitiveness firmly positioning the South East of Ireland on the Knowledge Economy map.</p> |  |                                 |           |
| <b>First Authorised Legal Person for the purpose of contract signature</b>   |  |                                 |           |
| <b>Title</b>   | Professor  | <b>Gender: Female=F, Male=M</b> | F         |
| <b>Family Name</b>   | Campbell   | <b>First Name</b>               | Veronica  |
| <b>Position</b>  | President of SETU  |                                 |           |
| <b>Telephone No</b>  |  | <b>Fax No.</b>                  |           |
| <b>E-mail</b>  | president@setu.ie  | <b>Mobile</b>                   |           |
| <b>Curriculum Vitae</b>  |  |                                 |           |
| <b>Address of the main department carrying out the work</b>  |  |                                 |           |
| <b>Institute/Department/ Laboratory Name</b>   | Walton Institute   |                                 |           |
| <b>Street Name and No.</b>   | West Campus, Carriganore   | <b>PO Box</b>                   |           |
| <b>Post Code</b>   | X91 P20H   | <b>Town/City</b>                | Waterford |
| <b>Country Code</b>  | IE   | <b>Country Name</b>             | Ireland   |



| Authorised contact person / Team Leader 1 |  |                                 |           |
|---|--|---------------------------------|-----------|
| <b>Title</b>                              | Dr   | <b>Gender: Female=F, Male=M</b> | F         |
| <b>Family Name</b>                        | Kilbane  | <b>First Name</b>               | Deirdre   |
| <b>Position</b>                           | Director of Research   |                                 |           |
| <b>WP leader</b>                          |  |                                 |           |
| <b>Task leader</b>                        |  |                                 |           |
| <b>Organisation Legal Name</b>            | South East Technological University  |                                 |           |
| <b>Department/Room No.</b>                | Walton Institute   |                                 |           |
| <b>Street Name and No.</b>                | West Campus, Carriganore   | <b>PO Box</b>                   | N/A       |
| <b>Post Code</b>                          | X91 P20H   | <b>Town/City</b>                | Waterford |
| <b>Country Code</b>                       | IE   | <b>Country Name</b>             | Ireland   |
| <b>Telephone No</b>                       | +353 (0)51 30 2912   | <b>Fax No.</b>                  | N/A       |
| <b>E-mail</b>                             | deirdre.kilbane@waltoninstitute.ie   | <b>Mobile</b>                   |           |
| <b>Curriculum Vitae</b>                   | <p>Dr Deirdre Kilbane is the Director of Research in Walton Institute for Information and Communication Systems Science, South East Technological University (SETU). Deirdre is responsible for the strategic direction of Walton Institute's basic research activities. She plays a key role in driving Walton Institute's research divisions which support the development of innovative technologies across AgriTech, HealthTech, Smart Cities, Energy, and ICT. Dr Kilbane has a BSc in Experimental Physics and a PhD in Mathematical Physics. Her research interests include nano- and biotechnology, artificial intelligence, and quantum physics. She is also a member of multiple Science Foundation Ireland Research Centres that align with the research interests of Walton and SETU. Deirdre has many years' experience as a physicist in quantum chaos, spectroscopy and ultrafast nano-optics</p> |                                 |           |
| Financial Manager                         |  |                                 |           |
| <b>Title</b>                              | Mr   | <b>Gender: Female=F, Male=M</b> | M         |
| <b>Family Name</b>                        | Mullowney  | <b>First Name</b>               | Jonathan  |
| <b>Position</b>                           | Project Management Accountant (Walton Institute)   |                                 |           |
| <b>Activity leader</b>                    |  |                                 |           |
| <b>Task leader</b>                        |  |                                 |           |
| <b>Organisation Legal Name</b>            | South East Technological University  |                                 |           |
| <b>Department/Room No.</b>                | Walton Institute   |                                 |           |
| <b>Street Name and No.</b>                | West Campus, Carriganore   | <b>PO Box</b>                   | N/A       |
| <b>Post Code</b>                          | X91 P20H   | <b>Town/City</b>                | Waterford |
| <b>Country Code</b>                       | IE   | <b>Country Name</b>             | Ireland   |
| <b>Telephone No</b>                       | +353 (0)51 302 921   | <b>Fax No.</b>                  | N/A       |
| <b>E-mail</b>                             | jonathan.mullowney@waltoninstitute.ie  | <b>Mobile</b>                   | N/A       |
| <b>Curriculum Vitae</b>                   | <p>Jonathan qualified with an honours Bachelor of Business Studies Specialising in Accountancy from Waterford Institute of Technology in 2005. From there he trained as a chartered accountant in EY qualifying in 2009. He then spent some time in industry (Dawn Meats) and funds (Citibank) before returning to EY in 2012. He remained here for another 5 years gaining valuable experience working across a broad spectrum of industries in a</p>   |                                 |           |

|  |   |
|--|---|
|  | financial audit and management role. Jonathan commenced his role with Walton Institute in September 2017. |
|--|---|

| Other Personnel                |   |                                 |           |
|--------------------------------|---|---------------------------------|-----------|
| <b>Title</b>                   | Mr  | <b>Gender: Female=F, Male=M</b> | M         |
| <b>Family Name</b>             | McManus   | <b>First Name</b>               | Gary      |
| <b>Position</b>                | Research Project Manager  |                                 |           |
| <b>Activity leader</b>         |   |                                 |           |
| <b>Task leader</b>             |   |                                 |           |
| <b>Organisation Legal Name</b> | South East Technological University   |                                 |           |
| <b>Department/Room No.</b>     | Walton Institute  |                                 |           |
| <b>Street Name and No.</b>     | West Campus, Carriganore  | <b>PO Box</b>                   | N/A       |
| <b>Post Code</b>               | X91 P20H  | <b>Town/City</b>                | Waterford |
| <b>Country Code</b>            | IE  | <b>Country Name</b>             | Ireland   |
| <b>Telephone No</b>            | +353 (0)51 302 920  | <b>Fax No.</b>                  | N/A       |
| <b>E-mail</b>                  | gary.mcmanus@waltoninstitute.ie   | <b>Mobile</b>                   | N/A       |
| <b>Curriculum Vitae</b>        | Gary Mc Manus graduated from Waterford Institute of Technology with an honours degree in Computer Science, and has over 20 years' experience in the IT industry. He has amassed extensive experience in the development of products and through his work in the SETU/Walton Institute has managed a number of international and national projects. Gary has a wide range of experience in managing projects and people, both at an administrative level and technical level, more recently managing the Carelink project in the eHealth domain focusing on dementia and before that the H2020 Aquasmart project dealing with Big Data for the aquaculture industry. |                                 |           |

## 4. Committees

| Project Management Board (PMB) |                          |                          |   |
|--------------------------------|--------------------------|--------------------------|---|
| Company                        | Primary Member           | Substitute               | e-mail address  |
| GRNET                          | Ilias Papastamatiou      | Betty Evangelinou        | ipapastamatiou@admin.grnet.gr, bevangelinou@admin.grnet.gr          |
| MinDigital                     | Dimitrios Kagklis        | Sophia Papathanasopoulou | d.kagklis@mindigital.gr, s.papathanasop@mindigital.gr               |
| NKUA                           | Dimitris Syvridis        | George Kanellos          | dsyvridi@di.uoa.gr, gtkanellos@di.uoa.gr                            |
| AUTH                           | Konstantinos Vyrosokinos | Menios Tsiganis          | kv@auth.gr, tsiganis@auth.gr  |
| FORTH                          | Georgios Nikolopoulos    | Vassilis Charmandaris    | nikolg@iesl.forth.gr, vassilis@physics.uoc.gr                       |
| NCSR D                         | Homer Papadopoulos       | -                        | homerpap@dat.demokritos.gr  |
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|                 | George        | Gardikis            | ggar@space.gr                            | x                | x                       | X                     | x                          | x                     |                   |
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## 6. Work Breakdown Structure and Responsibility Matrix

| Work breakdown structure and responsibility matrix |   |  |            |
|--|---|--|------------|
| ID   | Description   | Leader                                 |            |
| <b>WP1</b>   | <b>Project management (M1-30)</b>   | Betty Evangelinou                      | GRNET      |
| Task - T1.1  | Establish and maintain project management   | Betty Evangelinou                      | GRNET      |
| Task - T1.2  | Internal Communication & Quality control  | Betty Evangelinou                      | GRNET      |
| Task - T1.3  | Financial Management & Reporting  | Evangelia Athanasaki                   | GRNET      |
| <b>WP2</b>   | <b>Design of the HellasQCI and interoperability with EuroQCI (M1-M30)</b>             | Ilias Papastamatiou                    | GRNET      |
| Task - T2.1  | Definition of the HellasQCI Use Cases   | George Kanellos                        | NKUA       |
| Task - T2.2  | Definition of the HellasQCI Architecture  | Ilias Papastamatiou                    | GRNET      |
| Task - T2.3  | Procurement of the HellasQCI infrastructure   | Chrysostomos Tziouvaras                | GRNET      |
| Task - T2.4  | Cooperation and interoperability between HellasQCI and other EuroQCI members          | Ilias Papastamatiou/Giannis Giannoulis | GRNET      |
| Task - T2.5  | Connections and collaborations with Quantum Technologies Flagship projects            | Giannis Giannoulis                     | GRNET/ICCS |
| <b>WP3</b>   | <b>Implementation and operation of the HellasQCI (M1-M30)</b>                         | Giannis Giannoulis                     | GRNET/ICCS |
| Task - T3.1  | Phase0 Network emulation and experimental setup                                       | George Kanellos                        | NKUA       |
| Task - T3.2  | Phase 1 Network Implementation to support terrestrial use cases                       | Giannis Giannoulis                     | GRNET/ICCS |
| Task - T3.3  | Phase 2 Network Implementation to support space and terrestrial use cases             | Thanasias Marousis                     | NOA        |
| Task - T3.4  | Network management, alignment with European QKD standards, security and certification | Evangelos Markatos                     | FORTH      |
| Task - T3.5  | Alignment with the security baseline  | Evangelos Markatos                     | FORTH      |
| <b>WP4</b>   | <b>Demonstration of the Use Cases (M6-M30)</b>  | George Kanellos                        | NKUA       |
| Task - T4.1  | Monitoring and coordination of the use cases demonstration                            | Ilias Papastamatiou                    | GRNET      |
| Task - T4.2  | National Security and governmental sector   | George Kanellos                        | NKUA       |
| Task - T4.3  | Critical infrastructures, health sector and ICT industry                              | Homer Papadopoulos                     | NCSR D     |
| Task - T4.4  | Research, Education and innovation  | George Kanellos                        | NKUA       |
| Task - T4.5  | Use cases using space segment   | Thanasias Marousis                     | NOA        |
| <b>WP5</b>   | <b>Trainings in QCI and QKD systems and networks (M1-M30)</b>                         | Konstantinos Vyrsokinos                | AUTH       |
| Task - T5.1  | Training plan and coordination  | Konstantinos Vyrsokinos                | AUTH       |
| Task - T5.2  | Research and Education communities' trainings   | Giannis Giannoulis                     | GRNET/ICCS |
| Task - T5.3  | Technical and security communities' trainings   | Evangelos Markatos                     | FORTH      |
| Task - T5.4  | End-Users   | George Kanellos                        | NKUA       |
| <b>WP6</b>   | <b>Communication, dissemination and exploitation (M1-M30)</b>                         | Homer Papadopoulos                     | NCSR D     |
| Task - T6.1  | Outreach and communication strategy   | Alexis Askitopoulos                    | QUBITECH   |

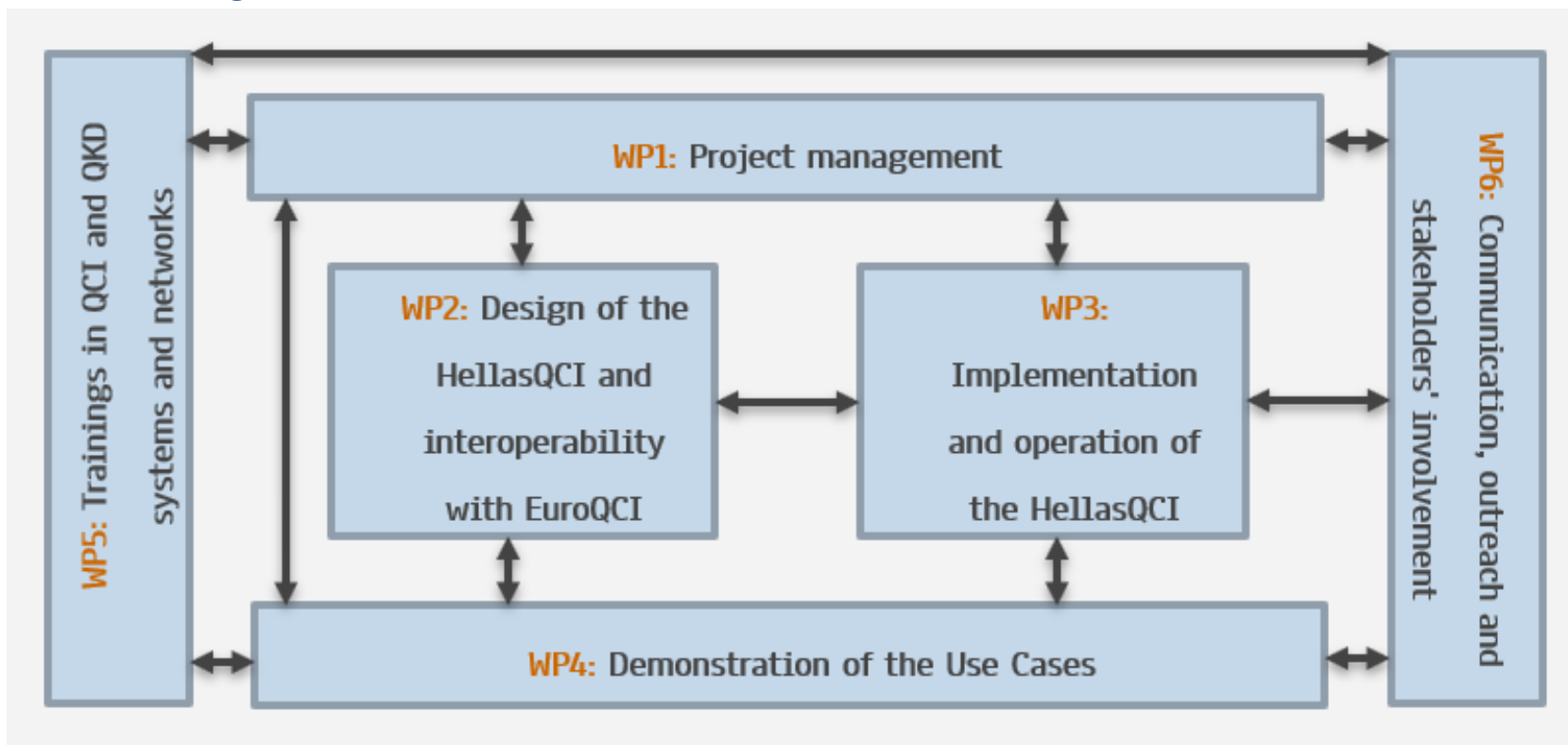
|             |   |                    |            |
|-------------|---|--------------------|------------|
| Task - T6.2 | National Stakeholders Involvement – HellasQCI community | Zenon Mousmoulas   | GRNET      |
| Task - T6.3 | Dissemination and Communication Activities              | Homer Papadopoulos | NCSR D     |
| Task - T6.4 | Open Access to HellasQCI tools                          | Giannis Giannoulis | GRNET/ICCS |

## 7. Workplan

|             |   | Workplan |   |   |   |      |   |      |   |   |      |    |    |      |    |      |    |    |    |      |    |    |    |    |    |      |    |    |    |    |                      |
|-------------|---|----------|---|---|---|------|---|------|---|---|------|----|----|------|----|------|----|----|----|------|----|----|----|----|----|------|----|----|----|----|----------------------|
| month       |   | 1        | 2 | 3 | 4 | 5    | 6 | 7    | 8 | 9 | 10   | 11 | 12 | 13   | 14 | 15   | 16 | 17 | 18 | 19   | 20 | 21 | 22 | 23 | 24 | 25   | 26 | 27 | 28 | 29 | 30                   |
| <b>WP1</b>  | <b>Project management (M1-30)</b>   |          |   |   |   |      |   |      |   |   |      |    |    |      |    |      |    |    |    |      |    |    |    |    |    |      |    |    |    |    |                      |
| Task - T1.1 | Establish and maintain project management   | D1.1     |   |   |   |      |   |      |   |   |      |    |    |      |    |      |    |    |    |      |    |    |    |    |    |      |    |    |    |    |                      |
| Task - T1.2 | Internal Communication & Quality control  |          |   |   |   |      |   |      |   |   |      |    |    |      |    |      |    |    |    |      |    |    |    |    |    |      |    |    |    |    |                      |
| Task - T1.3 | Financial Management & Reporting  |          |   |   |   |      |   | D1.2 |   |   |      |    |    | D1.3 |    | D1.7 |    |    |    | D1.4 |    |    |    |    |    | D1.5 |    |    |    |    | D1.6/D1.8            |
| <b>WP2</b>  | <b>Design of the HellasQCI and interoperability with EuroQCI (M1-M30)</b>             |          |   |   |   |      |   |      |   |   |      |    |    |      |    |      |    |    |    |      |    |    |    |    |    |      |    |    |    |    |                      |
| Task - T2.1 | Definition of the HellasQCI Use Cases   |          |   |   |   | D2.1 |   |      |   |   |      |    |    |      |    |      |    |    |    |      |    |    |    |    |    |      |    |    |    |    |                      |
| Task - T2.2 | Definition of the HellasQCI Architecture  |          |   |   |   |      |   |      |   |   | D2.2 |    |    |      |    |      |    |    |    |      |    |    |    |    |    |      |    |    |    |    | D2.3                 |
| Task - T2.3 | Procurement of the HellasQCI infrastructure   |          |   |   |   | D2.4 |   |      |   |   |      |    |    |      |    |      |    |    |    |      |    |    |    |    |    |      |    |    |    |    |                      |
| Task - T2.4 | Cooperation and interoperability between HellasQCI and other EuroQCI members          |          |   |   |   |      |   |      |   |   |      |    |    |      |    |      |    |    |    |      |    |    |    |    |    |      |    |    |    |    | D2.5                 |
| Task - T2.5 | Connections and collaborations with Quantum Technologies Flagship projects            |          |   |   |   |      |   |      |   |   |      |    |    |      |    |      |    |    |    |      |    |    |    |    |    |      |    |    |    |    | D2.6                 |
| <b>WP3</b>  | <b>Implementation and operation of the HellasQCI (M1-M30)</b>                         |          |   |   |   |      |   |      |   |   |      |    |    |      |    |      |    |    |    |      |    |    |    |    |    |      |    |    |    |    |                      |
| Task - T3.1 | Phase 0 Network emulation and experimental setup                                      |          |   |   |   |      |   |      |   |   | D3.1 |    |    |      |    | D3.2 |    |    |    |      |    |    |    |    |    |      |    |    |    |    |                      |
| Task - T3.2 | Phase 1 Network Implementation to support terrestrial use cases                       |          |   |   |   |      |   |      |   |   |      |    |    |      |    |      |    |    |    |      |    |    |    |    |    |      |    |    |    |    |                      |
| Task - T3.3 | Phase 2 Network Implementation to support space and terrestrial use cases             |          |   |   |   |      |   |      |   |   |      |    |    |      |    |      |    |    |    |      |    |    |    |    |    |      |    |    |    |    | D3.5                 |
| Task - T3.4 | Network management, alignment with European QKD standards, security and certification |          |   |   |   |      |   |      |   |   |      |    |    |      |    |      |    |    |    |      |    |    |    |    |    |      |    |    |    |    | D3.7<br>D3.9         |
| Task - T3.5 | Alignment with the security baseline  |          |   |   |   |      |   |      |   |   |      |    |    |      |    |      |    |    |    |      |    |    |    |    |    |      |    |    |    |    | D3.10                |
| <b>WP4</b>  | <b>Demonstration of the Use Cases (M6-M30)</b>  |          |   |   |   |      |   |      |   |   |      |    |    |      |    |      |    |    |    |      |    |    |    |    |    |      |    |    |    |    |                      |
| Task - T4.1 | Monitoring and coordination of the use cases demonstration                            |          |   |   |   |      |   |      |   |   |      |    |    |      |    |      |    |    |    |      |    |    |    |    |    |      |    |    |    |    |                      |
| Task - T4.2 | National Security and governmental sector   |          |   |   |   |      |   |      |   |   |      |    |    |      |    |      |    |    |    |      |    |    |    |    |    |      |    |    |    |    | D4.1                 |
| Task - T4.3 | Critical infrastructures, health sector and ICT industry                              |          |   |   |   |      |   |      |   |   |      |    |    |      |    |      |    |    |    |      |    |    |    |    |    |      |    |    |    |    | D4.3<br>D4.2         |
| Task - T4.4 | Research, Education and innovation  |          |   |   |   |      |   |      |   |   |      |    |    |      |    |      |    |    |    |      |    |    |    |    |    |      |    |    |    |    | D4.4                 |
| Task - T4.5 | Use cases using space segment   |          |   |   |   |      |   |      |   |   |      |    |    |      |    |      |    |    |    |      |    |    |    |    |    |      |    |    |    |    | D4.5                 |
| <b>WP5</b>  | <b>Trainings in QCI and QKD systems and networks (M1-M30)</b>                         |          |   |   |   |      |   |      |   |   |      |    |    |      |    |      |    |    |    |      |    |    |    |    |    |      |    |    |    |    |                      |
| Task - T5.1 | Training plan and coordination  |          |   |   |   |      |   |      |   |   | D5.1 |    |    |      |    |      |    |    |    |      |    |    |    |    |    |      |    |    |    |    |                      |
| Task - T5.2 | Research and Education communities' trainings   |          |   |   |   |      |   |      |   |   |      |    |    |      |    |      |    |    |    |      |    |    |    |    |    |      |    |    |    |    | D5.2                 |
| Task - T5.3 | Technical and security communities trainings  |          |   |   |   |      |   |      |   |   |      |    |    |      |    |      |    |    |    |      |    |    |    |    |    |      |    |    |    |    | D5.3                 |
| Task - T5.4 | End-Users   |          |   |   |   |      |   |      |   |   |      |    |    |      |    |      |    |    |    |      |    |    |    |    |    |      |    |    |    |    | D5.4                 |
| <b>WP6</b>  | <b>Communication, dissemination and exploitation (M1-M30)</b>                         |          |   |   |   |      |   |      |   |   |      |    |    |      |    |      |    |    |    |      |    |    |    |    |    |      |    |    |    |    |                      |
| Task - T6.1 | Outreach and communication strategy   |          |   |   |   |      |   |      |   |   |      |    |    |      |    |      |    |    |    |      |    |    |    |    |    |      |    |    |    |    |                      |
| Task - T6.2 | National Stakeholders Involvement – HellasQCI community                               |          |   |   |   |      |   |      |   |   |      |    |    |      |    |      |    |    |    |      |    |    |    |    |    |      |    |    |    |    | D6.3<br>D6.4         |
| Task - T6.3 | Dissemination and Communication Activities  |          |   |   |   |      |   |      |   |   |      |    |    |      |    |      |    |    |    |      |    |    |    |    |    |      |    |    |    |    | D6.1<br>D6.2<br>D6.5 |
| Task - T6.4 | Open Access to HellasQCI tools  |          |   |   |   |      |   |      |   |   |      |    |    |      |    |      |    |    |    |      |    |    |    |    |    |      |    |    |    |    |                      |



### 8. Pert Diagram



## 9. Deliverables

| Del. # | Deliverable Title  | WP # | Lead Beneficiary | Editor                                   | Type | Dissem. level | Planned Delivery | Actual Delivery | Reviewer                              |
|--------|--|------|------------------|--|------|---------------|------------------|-----------------|---------------------------------------|
| D1.1   | Project management information system  | WP1  | GRNET SA         | Betty Evangelinou                        | R    | PU            | M02              |                 | Evangelia Athanasaki                  |
| D1.2   | First 6-Monthly progress report  | WP1  | GRNET SA         | Evangelia Athanasaki                     | R    | SEN           | M07              |                 | Ilias Papastamatiou                   |
| D1.3   | Second 6-Monthly progress report   | WP1  | GRNET SA         | Evangelia Athanasaki                     | R    | SEN           | M13              |                 | Ilias Papastamatiou                   |
| D1.4   | Third 6-Monthly progress report  | WP1  | GRNET SA         | Evangelia Athanasaki                     | R    | SEN           | M19              |                 | Ilias Papastamatiou                   |
| D1.5   | Fourth 6-Monthly progress report   | WP1  | GRNET SA         | Evangelia Athanasaki                     | R    | SEN           | M25              |                 | Ilias Papastamatiou                   |
| D1.6   | Fifth 6-Monthly progress report  | WP1  | GRNET SA         | Evangelia Athanasaki                     | R    | SEN           | M30              |                 | Ilias Papastamatiou                   |
| D1.7   | First periodic report  | WP1  | GRNET SA         | Evangelia Athanasaki                     | R    | SEN           | M15              |                 | Ilias Papastamatiou                   |
| D1.8   | Final periodic report  | WP1  | GRNET SA         | Evangelia Athanasaki                     | R    | SEN           | M30              |                 | Ilias Papastamatiou                   |
| D2.1   | Detailed definition of the use cases KPI and their implementation strategy                             | WP2  | NKUA             | George Kanellos                          | R    | PU            | M06              |                 | Homer Papadopoulos                    |
| D2.2   | The HellasQCI architecture   | WP2  | GRNET            | Ilias Papastamatiou                      | R    | SEN           | M10              |                 | Georgios Nikolopoulos                 |
| D2.3   | Future HellasQCI architecture  | WP2  | GRNET            | Ilias Papastamatiou                      | R    | SEN           | M30              |                 | Georgios Nikolopoulos                 |
| D2.4   | Procurement document   | WP2  | GRNET            | Chrysostomos Tziouvaras                  | R    | PU            | M06              |                 | Ilias Papastamatiou                   |
| D2.5   | Report on participation to the EuroQCI initiative and on the collaboration with other DIGITAL projects | WP2  | GRNET            | Ilias Papastamatiou                      | R    | SEN           | M30              |                 | Homer Papadopoulos, Dimitrios Kagklis |
| D2.6   | Report on the collaboration of HellasQCI and Quantum Flagship Initiatives                              | WP2  | GRNET            | Giannis Ginnoulis/<br>Aristeidis Stathis | R    | SEN           | M30              |                 | George Kanellos                       |
| D3.1   | First report on Phase 0 testing  | WP3  | NKUA             | George Kanellos                          | R    | PU            | M09              |                 | Konstantinos Vyrsoinos                |
| D3.2   | Second report on Phase 0 testing   | WP3  | NKUA             | George Kanellos                          | R    | PU            | M15              |                 | Giannis Giannoulis                    |
| D3.3   | The HellasQCI management and control plane   | WP3  | NKUA             | George Kanellos                          | R    | SEN           | M24              |                 | Panagiotis Gialis                     |
| D3.4   | Phase 1 HellasQCI implementation   | WP3  | GRNET            | Giannis Ginnoulis/<br>Aristeidis Stathis | R    | SEN           | M24              |                 | George Kanellos                       |
| D3.5   | Phase 2 HellasQCI implementation   | WP3  | GRNET            | Giannis Ginnoulis/<br>Aristeidis Stathis | R    | SEN           | M30              |                 | Athanasios Marousis                   |
| D3.6   | First network management report  | WP3  | GRNET            | Panagiotis Gialis                        | R    | SEN           | M18              |                 | Evangelos Markatos                    |
| D3.7   | Final network management report  | WP3  | GRNET            | Panagiotis Gialis                        | R    | SEN           | M30              |                 | Evangelos Markatos                    |
| D3.8   | Security architecture  | WP3  | FORTH            | Evangelos Markatos                       | R    | SEN           | M18              |                 | Dimitris Kolotouros                   |
| D3.9   | Security evaluation  | WP3  | FORTH            | Evangelos Markatos                       | R    | SEN           | M30              |                 | Dimitris Kolotouros                   |

|       |  |     |          |   |   |               |     |  |                       |
|-------|--|-----|----------|---|---|---------------|-----|--|-----------------------|
| D3.10 | Gap analysis and roadmap for alignment with the security baseline  | WP3 | FORTH    | Evangelos Markatos                        | R | EU Classified | M30 |  | Ilias Papastamatiou   |
| D4.1  | Report on Quantum encrypted secured communications for National Security and Government                            | WP4 | NKUA     | George Kanellos                           | R | SEN           | M26 |  | Ilias Papastamatiou   |
| D4.2  | Report on Quantum secure personal medical data exchange  | WP4 | FORTH    | Georgios Nikolopoulos                     | R | PU            | M26 |  | Homer Papadopoulos    |
| D4.3  | Report on application of QKD in critical infrastructure and industrial ICT applications                            | WP4 | NKUA     | George Kanellos                           | R | SEN           | M22 |  | George Gardikis       |
| D4.4  | Report on the use of the IRE testbed for innovation and the novel features of the QKD value chain within HellasQCI | WP4 | GRNET    | Giannis Giannoulis/<br>Aristeidis Stathis | R | PU            | M28 |  | George Kanellos       |
| D4.5  | Report on the terrestrial-satellite QKD segment integration and international connectivity                         | WP4 | NOA      | Athanasios Marousis                       | R | SEN           | M30 |  | Ilias Papastamatiou   |
| D5.1  | Report on design of HellasQCI training methodology   | WP5 | AUTH     | Konstantinos Vyrsoinos                    | R | PU            | M10 |  | Georgios Nikolopoulos |
| D5.2  | Final report on training activities for academic & research communities  | WP5 | GRNET    | Giannis Giannoulis/<br>Aristeidis Stathis | R | PU            | M30 |  | Georgios Nikolopoulos |
| D5.3  | Final report on training activities for security & IT experts  | WP5 | FORTH    | Evangelos Markatos                        | R | PU            | M30 |  | Fofy Setaki           |
| D5.4  | Final report on training activities for end users and public authorities   | WP5 | NKUA     | George Kanellos                           | R | PU            | M30 |  | Dimitris Kagklis      |
| D6.1  | Dissemination, exploitation and communication plan   | WP6 | QUBITECH | Alexis Askitopoulos                       | R | PU            | M04 |  | Homer Papadopoulos    |
| D6.2  | Dissemination, communication, clustering and exploitation activities   | WP6 | NCSR D   | Homer Papadopoulos                        | R | PU            | M15 |  | Artemis Psarianou     |
| D6.3  | Report on the HellasQCI community establishment  | WP6 | GRNET    | Zenon Mousmoulas                          | R | PU            | M15 |  | Homer Papadopoulos    |
| D6.4  | Report on the HellasQCI community establishment - final version  | WP6 | GRNET    | Zenon Mousmoulas                          | R | PU            | M30 |  | Alexis Askitopoulos   |
| D6.5  | Dissemination, communication, clustering and exploitation activities - final version                               | WP6 | NCSR D   | Homer Papadopoulos                        | R | PU            | M30 |  | Artemis Psarianou     |

## 10. Milestones

| M. # | Milestone Title   | WP # | Lead Beneficiary | Means of Verification   | Planned Delivery | Actual Delivery |
|------|---|------|------------------|---|------------------|-----------------|
| MS1  | Management structure and kick-off meeting                                     | WP1  | GRNET            | All bodies of the project established and the kickoff meeting held                        | M02              | M2              |
| MS2  | First Review  | WP1  | GRNET            | First review held.  | M15              |                 |
| MS3  | Final Review  | WP1  | GRNET            | Final Review held.  | M30              |                 |
| MS4  | Rfl document sent to QKD vendors  | WP2  | GRNET            | The Rfl document requesting technical and cost data is sent to QKD vendors.               | M02              | M2              |
| MS5  | Launch of RFP for the HellasQCI architecture                                  | WP2  | GRNET            | The RFP for acquiring the HellasQCI infrastructure/official tender document is published. | M06              |                 |
| MS6  | HellasQCI Architecture  | WP2  | GRNET            | Definition of the HellasQCI architecture/Delivery of D2.2.                                | M10              |                 |
| MS7  | Delivery of Dark Fiber infrastructure   | WP3  | GRNET            | Delivery of Dark Fiber infrastructure.  | M18              |                 |
| MS8  | Delivery of QKD infrastructure  | WP3  | GRNET            | Delivery of QKD infrastructure as a result of the tender.                                 | M18              |                 |
| MS9  | Management and control plane in place   | WP3  | GRNET            | HellasQCI management and control plane in place.  | M18              |                 |
| MS10 | Quantum encrypted secured communications for National Security and Government | WP4  | NKUA             | Successful encrypted communications.  | M22              |                 |
| MS11 | Quantum secure personal medical data exchange                                 | WP4  | FORTH            | Successful demonstration of quantum secure medical data exchange and storage.             | M24              |                 |
| MS12 | Application of QKD in critical infrastructure                                 | WP4  | NKUA             | Successful operation of QKD in harsh environments such as oil refinery campus.            | M15              |                 |
| MS13 | Demonstration of QKD over 5G infrastructure                                   | WP4  | COSMOTE          | Successful 5G connectivity with secure QKD links.   | M20              |                 |
| MS14 | Advanced control and authentication for dynamic QKD operation                 | WP4  | FORTH            | Successful demonstration of PUF-based authentication.                                     | M20              |                 |
| MS15 | Experimental Quantum internet applications                                    | WP4  | GRNET            | Successful demonstration of entanglement distribution in 4 nodes                          | M24              |                 |
| MS16 | Inter-testbed connectivity and links with EUROQCI                             | WP4  | NOA              | Successful inter-site communication with satellite.                                       | M28              |                 |
| MS17 | Definition of the final HellasQCI training plan                               | WP5  | AUTH             | Definition of the final HellasQCI training plan.  | M22              |                 |
| MS18 | Measurement of the HellasQCI training KPIs                                    | WP5  | AUTH             | Measurement of the HellasQCI training KPIs  | M24              |                 |
| MS19 | Website & social media accounts online  | WP6  | NCSR D           | Project's website online. Various social media like LinkedIn, Twitter are operational.    | M06              |                 |

|      |   |     |       |  |     |  |
|------|---|-----|-------|--|-----|--|
| MS20 | HellasQCI Community is established  | WP6 | GRNET | HellasQCI community stakeholder registry has been launched.  | M12 |  |
| MS21 | HellasQCI community joint statement   | WP6 | GRNET | A 2-page document will be published.   | M20 |  |
| MS22 | Initial participation to the EuroQCI initiative and on the collaboration with other DIGITAL projects. | WP2 | GRNET | Collaboration with other EuroQCI DIGITAL projects/Successful participation in the EuroQCI DIGITAL projects meetings. | M15 |  |



## 12. Partner Effort per WP activity

|             | GRNET   | MinDigital  | NKUA        | AUTH        | FORTH       | NCSR        | NOA         | QUBITECH    | COSMOTE     | SPACE HELLAS | MotorOil    | ICCS       | UNILU      | WIT        | Total        |
|-------------|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|------------|------------|------------|--------------|
| <b>WP1</b>  | <b>Project management (M1-30)</b>   |             |             |             |             |             |             |             |             |              |             |            |            |            |              |
| Task - T1.1 | 21.00   | 2.00        | 1.00        | 1.00        | 1.00        | 1.00        | 1.00        | 1.00        | 1.00        | 1.00         | 1.00        | 0.00       | 0.00       | 0.00       | 32.00        |
| Task - T1.2 | 5.00  | 0.00        | 0.00        | 0.00        | 0.00        | 0.00        | 0.00        | 0.00        | 0.00        | 0.00         | 0.00        | 0.00       | 0.00       | 0.00       | 5.00         |
| Task - T1.3 | 5.00  | 0.00        | 0.00        | 0.00        | 0.00        | 0.00        | 0.00        | 0.00        | 0.00        | 0.00         | 0.00        | 0.00       | 0.00       | 0.00       | 5.00         |
| <b>WP2</b>  | <b>Design of the HellasQCI and interoperability with EuroQCI (M1-M30)</b> |             |             |             |             |             |             |             |             |              |             |            |            |            |              |
| Task - T2.1 | 3.00  | 2.00        | 8.00        | 1.00        | 1.00        | 1.00        | 1.00        | 2.00        | 0.00        | 1.00         | 1.00        | 0.00       | 0.00       | 0.00       | 21.00        |
| Task - T2.2 | 17.00   | 2.00        | 7.00        | 2.00        | 1.00        | 0.00        | 1.00        | 0.00        | 0.00        | 2.00         | 0.00        | 0.00       | 0.00       | 0.00       | 32.00        |
| Task - T2.3 | 16.00   | 0.00        | 2.00        | 0.00        | 0.00        | 0.00        | 0.00        | 0.00        | 0.00        | 0.00         | 0.00        | 0.00       | 0.00       | 0.00       | 18.00        |
| Task - T2.4 | 12.00   | 3.00        | 2.00        | 2.00        | 1.00        | 1.00        | 1.00        | 0.00        | 0.00        | 0.00         | 0.00        | 0.00       | 2.00       | 2.00       | 26.00        |
| Task - T2.5 | 7.00  | 1.00        | 1.00        | 0.00        | 1.00        | 2.00        | 1.00        | 0.00        | 0.00        | 1.00         | 0.00        | 1.00       | 0.00       | 0.00       | 15.00        |
| <b>WP3</b>  | <b>Implementation and operation of the HellasQCI (M1-M30)</b>             |             |             |             |             |             |             |             |             |              |             |            |            |            |              |
| Task - T3.1 | 8.00  | 0.00        | 11.00       | 2.00        | 1.00        | 3.00        | 0.00        | 0.00        | 5.00        | 4.00         | 0.00        | 1.00       | 0.00       | 0.00       | 35.00        |
| Task - T3.2 | 19.00   | 1.00        | 7.00        | 5.00        | 2.00        | 2.00        | 0.00        | 7.00        | 4.00        | 2.00         | 2.00        | 0.00       | 0.00       | 0.00       | 51.00        |
| Task - T3.3 | 6.00  | 3.00        | 2.00        | 4.00        | 2.00        | 1.00        | 5.00        | 0.00        | 0.00        | 2.00         | 0.00        | 0.00       | 0.00       | 0.00       | 25.00        |
| Task - T3.4 | 10.00   | 0.00        | 0.00        | 0.00        | 10.00       | 10.00       | 0.00        | 0.00        | 0.00        | 0.00         | 0.00        | 0.00       | 0.00       | 0.00       | 30.00        |
| Task - T3.5 | 1.00  | 1.00        | 0.00        | 0.00        | 4.00        | 0.00        | 0.00        | 0.00        | 0.00        | 0.00         | 0.00        | 0.00       | 0.00       | 0.00       | 6.00         |
| <b>WP4</b>  | <b>Demonstration of the Use Cases (M6-M30)</b>                            |             |             |             |             |             |             |             |             |              |             |            |            |            |              |
| Task - T4.1 | 6.00  | 0.00        | 2.00        | 1.00        | 0.00        | 1.00        | 0.00        | 0.00        | 0.00        | 1.00         | 0.00        | 0.00       | 0.00       | 0.00       | 11.00        |
| Task - T4.2 | 5.00  | 2.00        | 14.00       | 3.00        | 1.00        | 0.00        | 0.00        | 0.00        | 0.00        | 2.00         | 0.00        | 0.00       | 0.00       | 0.00       | 27.00        |
| Task - T4.3 | 5.00  | 0.00        | 6.00        | 0.00        | 2.00        | 12.00       | 0.00        | 0.00        | 10.00       | 0.00         | 6.00        | 0.00       | 0.00       | 0.00       | 41.00        |
| Task - T4.4 | 4.00  | 0.00        | 6.00        | 3.00        | 2.00        | 0.00        | 1.00        | 5.00        | 4.00        | 2.00         | 0.00        | 1.00       | 0.00       | 0.00       | 28.00        |
| Task - T4.5 | 2.00  | 2.00        | 3.00        | 4.00        | 4.00        | 0.00        | 5.00        | 0.00        | 0.00        | 0.00         | 0.00        | 0.00       | 2.00       | 2.00       | 24.00        |
| <b>WP5</b>  | <b>Trainings in QCI and QKD systems and networks (M1-M30)</b>             |             |             |             |             |             |             |             |             |              |             |            |            |            |              |
| Task - T5.1 | 7.00  | 0.00        | 2.00        | 6.00        | 1.00        | 0.00        | 0.00        | 0.00        | 0.00        | 0.00         | 0.00        | 0.00       | 0.00       | 0.00       | 16.00        |
| Task - T5.2 | 9.00  | 0.00        | 2.00        | 3.00        | 1.00        | 1.00        | 0.00        | 0.00        | 0.00        | 0.00         | 0.00        | 1.00       | 0.00       | 0.00       | 17.00        |
| Task - T5.3 | 4.00  | 0.00        | 2.00        | 3.00        | 5.00        | 1.00        | 2.00        | 1.00        | 0.00        | 0.00         | 0.00        | 0.00       | 0.00       | 0.00       | 18.00        |
| Task - T5.4 | 4.00  | 0.00        | 10.00       | 1.00        | 1.00        | 1.00        | 0.00        | 0.00        | 0.00        | 0.00         | 0.00        | 0.00       | 0.00       | 0.00       | 17.00        |
| <b>WP6</b>  | <b>Communication, dissemination and exploitation (M1-M30)</b>             |             |             |             |             |             |             |             |             |              |             |            |            |            |              |
| Task - T6.1 | 2.00  | 0.00        | 0.00        | 0.00        | 0.00        | 2.00        | 0.00        | 10.00       | 0.00        | 0.00         | 0.00        | 0.00       | 0.00       | 0.00       | 14.00        |
| Task - T6.2 | 8.00  | 4.00        | 0.00        | 0.00        | 0.00        | 1.00        | 0.00        | 2.00        | 0.00        | 1.00         | 0.00        | 0.00       | 0.00       | 0.00       | 16.00        |
| Task - T6.3 | 2.00  | 2.00        | 0.00        | 0.00        | 0.00        | 15.00       | 1.00        | 1.00        | 0.00        | 1.00         | 0.00        | 0.00       | 0.00       | 0.00       | 22.00        |
| Task - T6.4 | 1.00  | 0.00        | 1.00        | 0.00        | 1.00        | 1.00        | 0.00        | 1.00        | 0.00        | 0.00         | 0.00        | 0.00       | 0.00       | 0.00       | 5.00         |
|             | <b>189.0</b>  | <b>25.0</b> | <b>89.0</b> | <b>41.0</b> | <b>42.0</b> | <b>56.0</b> | <b>19.0</b> | <b>30.0</b> | <b>24.0</b> | <b>20.0</b>  | <b>10.0</b> | <b>4.0</b> | <b>4.0</b> | <b>4.0</b> | <b>557.0</b> |

### 13. Partner Effort per month

|             | 1   | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 21   | 22   | 23   | 24   | 25   | 26   | 27   | 28   | 29   | 30   |      |
|-------------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| <b>WP1</b>  | <b>Project management (M1-30)</b>   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Task - T1.1 | 1.07  | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 |      |
| Task - T1.2 | 0.17  | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 |      |
| Task - T1.3 | 0.17  | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 |      |
| <b>WP2</b>  | <b>Design of the HellasQCI and interoperability with EuroQCI (M1-M30)</b> |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Task - T2.1 | 3.50  | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Task - T2.2 | 1.78  | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 |
| Task - T2.3 | 0.75  | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |      |
| Task - T2.4 | 0.87  | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 |      |
| Task - T2.5 | 0.50  | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |      |
| <b>WP3</b>  | <b>Implementation and operation of the HellasQCI (M1-M30)</b>             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Task - T3.1 | 1.94  | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Task - T3.2 |   |      |      |      |      |      |      |      |      |      |      |      |      | 2.83 | 2.83 | 2.83 | 2.83 | 2.83 | 2.83 | 2.83 | 2.83 | 2.83 | 2.83 | 2.83 | 2.83 | 2.83 | 2.83 | 2.83 | 2.83 | 2.83 |      |
| Task - T3.3 |   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 4.17 | 4.17 | 4.17 | 4.17 | 4.17 | 4.17 |
| Task - T3.4 | 1.00  | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |      |
| Task - T3.5 |   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 |      |
| <b>WP4</b>  | <b>Demonstration of the Use Cases (M6-M30)</b>                            |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Task - T4.1 | 0.37  | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 |      |
| Task - T4.2 |   |      |      |      |      |      |      |      |      |      |      |      | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |      |
| Task - T4.3 |   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 |      |
| Task - T4.4 |   |      |      |      |      |      |      |      |      |      | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 |      |
| Task - T4.5 |   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2.67 | 2.67 | 2.67 | 2.67 | 2.67 | 2.67 | 2.67 | 2.67 |      |
| <b>WP5</b>  | <b>Trainings in QCI and QKD systems and networks (M1-M30)</b>             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Task - T5.1 | 0.53  | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |      |      |
| Task - T5.2 |   |      |      | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 |      |
| Task - T5.3 |   |      |      |      |      |      | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |      |
| Task - T5.4 |   |      |      |      |      |      |      |      |      |      | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 |      |
| <b>WP6</b>  | <b>Communication, dissemination and exploitation (M1-M30)</b>             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Task - T6.1 | 0.47  | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 |      |      |
| Task - T6.2 | 0.53  | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |      |      |
| Task - T6.3 | 0.73  | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 |      |
| Task - T6.4 | 0.17  | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 |      |



## 14. Budget Distribution per partner

|                           | Total        | GRNET        | MinDigital | NKUA       | AUTH       | FORTH      | NCSR       | NOA        | QUBITECH   | COSMOTE    | SPACE<br>HELLAS | MotorOil  | ICCS | UNILU | WIT  |
|---------------------------|--------------|--------------|------------|------------|------------|------------|------------|------------|------------|------------|-----------------|-----------|------|-------|------|
| WP1                       | 42.00        | 31.00        | 2.00       | 1.00       | 1.00       | 1.00       | 1.00       | 1.00       | 1.00       | 1.00       | 1.00            | 1.00      | -    | -     | -    |
| WP1                       | 229,000.00   | 173,600.00   | 6,000.00   | 4,600.00   | 5,500.00   | 6,000.00   | 4,300.00   | 5,000.00   | 6,000.00   | 6,500.00   | 5,500.00        | 6,000.00  | -    | -     | -    |
| WP2                       | 112.00       | 55.00        | 8.00       | 20.00      | 5.00       | 4.00       | 4.00       | 4.00       | 2.00       | -          | 4.00            | 1.00      | 1.00 | 2.00  | 2.00 |
| WP2                       | 552,700.00   | 308,000.00   | 24,000.00  | 92,000.00  | 27,500.00  | 24,000.00  | 17,200.00  | 20,000.00  | 12,000.00  | -          | 22,000.00       | 6,000.00  | -    | -     | -    |
| WP3                       | 147.00       | 44.00        | 5.00       | 20.00      | 11.00      | 19.00      | 16.00      | 5.00       | 7.00       | 9.00       | 8.00            | 2.00      | 1.00 | -     | -    |
| WP3                       | 778,200.00   | 246,400.00   | 15,000.00  | 92,000.00  | 60,500.00  | 114,000.00 | 68,800.00  | 25,000.00  | 42,000.00  | 58,500.00  | 44,000.00       | 12,000.00 | -    | -     | -    |
| WP4                       | 131.00       | 22.00        | 4.00       | 31.00      | 11.00      | 9.00       | 13.00      | 6.00       | 5.00       | 14.00      | 5.00            | 6.00      | 1.00 | 2.00  | 2.00 |
| WP4                       | 662,700.00   | 123,200.00   | 12,000.00  | 142,600.00 | 60,500.00  | 54,000.00  | 55,900.00  | 30,000.00  | 30,000.00  | 91,000.00  | 27,500.00       | 36,000.00 | -    | -     | -    |
| WP5                       | 68.00        | 24.00        | -          | 16.00      | 13.00      | 8.00       | 3.00       | 2.00       | 1.00       | -          | -               | -         | 1.00 | -     | -    |
| WP5                       | 356,400.00   | 134,400.00   | -          | 73,600.00  | 71,500.00  | 48,000.00  | 12,900.00  | 10,000.00  | 6,000.00   | -          | -               | -         | -    | -     | -    |
| WP6                       | 57.00        | 13.00        | 6.00       | 1.00       | -          | 1.00       | 19.00      | 1.00       | 14.00      | -          | 2.00            | -         | -    | -     | -    |
| WP6                       | 283,100.00   | 72,800.00    | 18,000.00  | 4,600.00   | -          | 6,000.00   | 81,700.00  | 5,000.00   | 84,000.00  | -          | 11,000.00       | -         | -    | -     | -    |
| Total Effort (PMs)        | 557.00       | 189.00       | 25.00      | 89.00      | 41.00      | 42.00      | 56.00      | 19.00      | 30.00      | 24.00      | 20.00           | 10.00     | 4.00 | 4.00  | 4.00 |
| Total Budget (€)          | 2,862,100.00 | 1,058,400.00 | 75,000.00  | 409,400.00 | 225,500.00 | 252,000.00 | 240,800.00 | 95,000.00  | 180,000.00 | 156,000.00 | 110,000.00      | 60,000.00 |      |       |      |
| PM rate                   |              | 5,600.00     | 3,000.00   | 4,600.00   | 5,500.00   | 6,000.00   | 4,300.00   | 5,000.00   | 6,000.00   | 6,500.00   | 5,500.00        | 6,000.00  |      |       |      |
| Personnel                 | 2,862,100.00 | 1,058,400.00 | 75,000.00  | 409,400.00 | 225,500.00 | 252,000.00 | 240,800.00 | 95,000.00  | 180,000.00 | 156,000.00 | 110,000.00      | 60,000.00 |      |       |      |
| Travel                    | 97,000.00    | 27,000.00    | 10,000.00  | 10,000.00  | 10,000.00  | 5,000.00   | 10,000.00  | 5,000.00   | 5,000.00   | 5,000.00   | 5,000.00        | 5,000.00  |      |       |      |
| Equipment                 | 6,303,400.00 | 6,303,400.00 | -          | -          | -          | -          | -          | -          | -          | -          | -               | -         |      |       |      |
| Other                     | 81,000.00    | 38,000.00    | -          | 15,000.00  | 10,000.00  | 2,000.00   | 10,000.00  | -          | 6,000.00   | -          | -               | -         |      |       |      |
| Direct costs              | 9,343,500.00 | 7,426,800.00 | 85,000.00  | 434,400.00 | 245,500.00 | 259,000.00 | 260,800.00 | 100,000.00 | 191,000.00 | 161,000.00 | 115,000.00      | 65,000.00 |      |       |      |
| Indirect costs            | 654,045.00   | 519,876.00   | 5,950.00   | 30,408.00  | 17,185.00  | 18,130.00  | 18,256.00  | 7,000.00   | 13,370.00  | 11,270.00  | 8,050.00        | 4,550.00  |      |       |      |
| Total eligible costs      | 9,997,545.00 | 7,946,676.00 | 90,950.00  | 464,808.00 | 262,685.00 | 277,130.00 | 279,056.00 | 107,000.00 | 204,370.00 | 172,270.00 | 123,050.00      | 69,550.00 |      |       |      |
| Requested EC contribution | 9,997,545.00 | 7,946,676.00 | 90,950.00  | 464,808.00 | 262,685.00 | 277,130.00 | 279,056.00 | 107,000.00 | 204,370.00 | 172,270.00 | 123,050.00      | 69,550.00 |      |       |      |