CELTIC Eurogia Proposal (CEP) – Call 2020

ATTENTION: Please assure that the data on the Project Identification and Key Information is consistent with the submitted online form!

Project Identification

|  |  |
| --- | --- |
| **Project acronym:** |  |
| **Project title:** |  |
| **Project Coordinator (name):**  |  |
| **Country:** |  |
| **Email:** |  |
| **Company:** |  |
| **Postal address:** |  |
| **Telephone:** |  |
| **Please choose Cluster Domain** | **CELTIC / Eurogia / I do not know Proposal \*** see section 9 Coverage of Research Objectives |

Key Information

|  |  |
| --- | --- |
| **Date of proposal/submission date:** |  |
| **Proposed project start: (month/year):** |  |
| **Planned completion date (month/year):** |  |
| **Duration (months):** |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Effort and Budget for the project** | **Total** | **2020** | **2021** | **2022** | **2023** | **2024 and later** |
| Project budget (kEUR) |  |  |  |  |  |  |
| Effort in Person Years (PY) |  |  |  |  |  |  |

 Project Abstract

(Project overview maximum 2000 characters / 25 lines max.)

Please be aware that this ABSTRACT will be distributed publicly!

Abstract on Business Impact

(Problem statement and market value chain, Project innovations, solutions and challenges / 25 lines max.)

This ABSTRACT ON BUSINESS IMPACT will be confidential!

Consortium Overview

|  |  |  |  |
| --- | --- | --- | --- |
| **Company Name & Email contact**(Project coordinator first) | **Country** | **Role \*)** | **Type of organisation \*\*)** |
| **I** | **S** | **U** | **R** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

\*) Role: C=Coordinator, M=country’s Main participant contact, P=Participant. (M=country’s Main participant contact this is the main contact from each Country that shall also participate in the coordination Telcos with the Cluster Offices in the setup phase).

\*\*) Type of organisation: **I** = Industry; **S**=SME; **U**=University, **R**=Research Institutes

 **Feedback from Public Authorities per Country**

Indicate on country level funding applications submitted to Public Authority (PA) at call deadline. It is advised that for each country a contact person from the consortium maintains the contacts with the PA. In case an official funding application cannot be submitted at the time of this call indicate which formal contacts have been established to check the eligibility for funding for the national consortium and project objectives.

|  |
| --- |
| **<Country A>** |
| **Contact person of national consortium:** | <Name> | <Company> | <email> | <tel. number> |
| **Contact person at national Authority:** | <Name> | <Organisation> | <email> | <tel. number> |
| **Status (please select):** | No Contact | Contacted | Submission Date Agreed | Submitted |
| **Brief Comment on Current status:** |  |

|  |
| --- |
| **<Country B>** |
| **Contact person of national consortium:** | <Name> | <Company> | <email> | <tel. number> |
| **Contact person at national Authority:** | <Name> | <Organisation> | <email> | <tel. number> |
| **Status (please select):** | No Contact | Contacted | Submission Date Agreed | Submitted |
| **Brief Comment on Current status:** |  |

*(continue country tables as necessary)*

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# Technological innovation and novelty in relation to the SotA and strategic relevance

## State-of-the-art situation [[1]](#footnote-1)\*)

Describe the current technological situation, the current problems and gaps and indicate current activities on technological improvements. What is the current technological state before the project starts.

## Rationale for the project

Why is the proposed project important; which problems will be solved and which results will be generated that are currently not available?

## Technological innovation and strategic relevance \*)

Explain which technological innovation your project will have achieved at the end of the project. Explain the strategic relevance and expected impact of your proposal on a per-country perspective. Describe relationships with related European or national projects if any.

# Business Aspects

## Market analysis/view

## Technological value chain and added value of the collaboration

### Added value of the cooperation at technology level

### Added value of the cooperation at business level

### Consortium/partner access to the market

|  |  |
| --- | --- |
| **Project Partner** | **Market Access** (targeted countries and market segments) |
|
|  |  |
|  |  |
|  |  |
|  |  |

## Major visible results, products

Describe the major results expected and published from the project. Major results are e.g. new/ improved products, test/ prototype implementations, test environments, specifications, patent, etc..

## International, European and Country perspective

Explain the business expectations and provide a business plan on a per country basis (as far as this is possible).

### European perspective

### National perspective for <country A>

### National perspective for <country B>

## Contribution to Standards

Describe how the project will contribute to standards. Identify standards bodies/ for a where contributions will be made or which shall be influenced.

# Dissemination activities and exploitation of results

Describe and specify the planned (major) activities to disseminate the results, e.g. brochures, websites, workshops, conferences, etc. Indicate how the results will be further exploited by the partners (e.g. product/ service development, etc.)

# Project management

Describe the overall project management structure and management bodies/ committees (if any) that are considered. Indicate and explain the individual responsibilities in the project (project leader, WP-leaders), the decision-making process, and resolution of conflicts.

## Risk Assessment

Provide a risk analysis and a contingency plan for identified risks.

# Work package description and Work breakdown

##  Project structure

Describe how the project will be organised (e.g. work package structure, links and relationship between work packages). Provide a technical description for each work package (intended results, milestones, and work organisation)

##  Project calendar

Provide a timeline (Gantt chart or bar diagram that indicates the duration of each WP (and tasks); their interdependencies and milestones (e.g. delivery dates or other important events).

##  Work packages

Describe for each work package the technical work that will be carried out, the expected results, and the intended use or exploitation of the results. Indicate further work breakdown of each WP (e.g. tasks). Explain also the roles of the partners involved in the work package and their major contributions for that work page

Work package overview

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Work Package number** | **Work Package title** | **Type of activity and task description** | **Lead participant**  | **Person months** | **Start month** | **End month** |
| 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |

### List of all Deliverables and Milestones

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Del. No.** | **Name of Deliverable (Dx.x) or****Milestone (Mx.x)** | **Type (report, software)** | **Dissemination****level[[2]](#footnote-2)** | **Delivery month[[3]](#footnote-3)** |
| D1.1 |  |  |  |  |
| D2.1 |  |  |  |  |
| M1 |  |  |  |  |
| D2.1 |  |  |  |  |

### WP 1

|  |  |
| --- | --- |
| **WP1** | **WP - Title:**  |
| **WP Start date: Month**  | **WP End date: Month**  |
| **WP1 Partners and role (WPL; TL) and contribution** | **Country:** | **Effort allocation (PM)** |
| WP leader first and in bold |  |  |
|  |  |  |
|  |  |  |

|  |
| --- |
| **Objectives** |
| **Description and expected results****Task 1.1:**<description>**Task 1.2:**<description>etc. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Deliverables (D1.x)/****Internal Reports****(IR1.x) /** **Milestones (M1.x)** | **Title and short description** | **Partner involvement** | **Month[[4]](#footnote-4)** |
| D1.1 etc. | *Title*Short description | **Lead Partner bold**Others |  |
|  |  |  |  |
|  |  |  |  |

### WP 2

|  |  |
| --- | --- |
| **WP2** | **WP - Title:**  |
| **WP Start date: Month**  | **WP End date: Month**  |
| **WP2 Partners and role (WPL; TL) and contribution** | **Country:** | **Effort allocation (PM)** |
| WP leader first and in bold |  |  |
|  |  |  |
|  |  |  |

|  |
| --- |
| **Objectives** |
| **Description and expected results****Task 2.1:**<description>**Task 2.2:**<description>etc. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Deliverables (D2.x)/****Internal Reports****(IR2.x) /** **Milestones (M2.x)** | **Title and short description** | **Partner involvement** | **Month[[5]](#footnote-5)** |
| D2.1 etc. | *Title*Short description | **Lead Partner bold**Others |  |
|  |  |  |  |
|  |  |  |  |

### WP 3

|  |  |
| --- | --- |
| **WP3** | **WP - Title:**  |
| **WP Start date: Month**  | **WP End date: Month**  |
| **WP3 Partners and role (WPL; TL) and contribution** | **Country:** | **Effort allocation (PM)** |
| WP leader first and in bold |  |  |
|  |  |  |
|  |  |  |

|  |
| --- |
| **Objectives** |
| **Description and expected results****Task 3.1:**<description>**Task 3.2:**<description>etc. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Deliverables (D3.x)/****Internal Reports****(IR3.x) /** **Milestones (M2.x)** | **Title and short description** | **Partner involvement** | **Month[[6]](#footnote-6)** |
| D3.1 etc. | *Title*Short description | **Lead Partner bold**Others |  |
|  |  |  |  |
|  |  |  |  |

### WP 4

|  |  |
| --- | --- |
| **WP4** | **WP - Title:**  |
| **WP Start date: Month**  | **WP End date: Month**  |
| **WP4 Partners and role (WPL; TL) and contribution** | **Country:** | **Effort allocation (PM)** |
| WP leader first and in bold |  |  |
|  |  |  |
|  |  |  |

|  |
| --- |
| **Objectives** |
| **Description and expected results****Task 4.1:**<description>**Task 4.2:**<description>etc. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Deliverables (D4.x)/****Internal Reports****(IR4.x) /** **Milestones (M4.x)** | **Title and short description** | **Partner involvement** | **Month[[7]](#footnote-7)** |
| D4.1 etc. | *Title*Short description | **Lead Partner bold**Others |  |
|  |  |  |  |
|  |  |  |  |

### WP 5

|  |  |
| --- | --- |
| **WP5** | **WP - Title:**  |
| **WP Start date: Month**  | **WP End date: Month**  |
| **WP5 Partners and role (WPL; TL) and contribution** | **Country:** | **Effort allocation (PM)** |
| WP leader first and in bold |  |  |
|  |  |  |
|  |  |  |

|  |
| --- |
| **Objectives** |
| **Description and expected results****Task 5.1:**<description>**Task 5.2:**<description>etc. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Deliverables (D5.x)/****Internal Reports****(IR5.x) /** **Milestones (M5.x)** | **Title and short description** | **Partner involvement** | **Month[[8]](#footnote-8)** |
| D5.1 etc. | *Title*Short description | **Lead Partner bold**Others |  |
|  |  |  |  |
|  |  |  |  |

### WP 6

|  |  |
| --- | --- |
| **WP6** | **WP - Title:**  |
| **WP Start date: Month**  | **WP End date: Month**  |
| **WP6 Partners and role (WPL; TL) and contribution** | **Country:** | **Effort allocation (PM)** |
| WP leader first and in bold |  |  |
|  |  |  |
|  |  |  |

|  |
| --- |
| **Objectives** |
| **Description and expected results****Task 6.1:**<description>**Task 6.2:**<description>etc. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Deliverables (D6.x)/****Internal Reports****(IR6.x) /** **Milestones (M6.x)** | **Title and short description** | **Partner involvement** | **Month[[9]](#footnote-9)** |
| D6.1 etc. | *Title*Short description | **Lead Partner bold**Others |  |
|  |  |  |  |
|  |  |  |  |

# Cost Breakdown per partner and year

##  Total effort allocation per partner and year

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Total effort (all WPs)** | **2020** | **2021** | **2022** | **2023** | **2024 (+)** | **Total** |
| Partner 1 |  |  |  |  |  |  |
| **Total Effort (PY)** |  |  |  |  |  |  |

##  Effort allocation per partner and work package

**Effort per Work Package:**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **WP1** | **WP2** | **WP3** | **WP4** | **WP5** | **WP6** | **WP7** | **WP8** | **Total** |
| **Partner 1** |  |  |  |  |  |  |  |  |  |
| **Total Effort (PY)** |  |  |  |  |  |  |  |  |  |

##

##  Total budget allocations per partner and year

*Figures in kEuro*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Partner** | **2020** | **2021** | **2022** | **2023** | **2024 (+)** | **Total** |
| Partner 1 |  |  |  |  |  |  |
| **Total Budget (k€)** |  |  |  |  |  |  |

##  Budget for equipment and other costs

*Figures in kEuro (Included in total: 8.3)*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Partner** | **2020** | **2021** | **2022** | **2023** | **2024 (+)** | **Total** | **Reason** |
| Partner 1 |  |  |  |  |  |  |  |

**Combined table effort and cost per partner**

## Total budget allocations per country

*Figures in kEuro*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Country** | **2020** | **2021** | **2022** | **2023** | **2024 (+)** | **Total** |
| Country 1 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

*(add rows as necessary)*

## Total effort allocations per country

*Figures in person year (PY)*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Country** | **2020** | **2021** | **2022** | **2023** | **2024 (+)** | **Total** |
| Country 1 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

*(add rows as necessary)*

# Rationale for public funding

Explain why public funding should be granted. In case funding may not be granted or might be reduced it should be explained, which impact on the project is to be expected (e.g. reduction in effort, impact in case of stepping-out of a crucial partner, etc.).

# Overview of the Consortium by Partner

## Description of the consortium

Describe why the consortium has been composed as proposed. Indicate what kind of expertise and role of each partner and how well the available expertise match with the project requirements. Identify possible gaps in expertise and explain how these gaps will be filled (e.g. by future extensions, or by a complementary national or European project).

|  |  |
| --- | --- |
| **Country** | **Organisation** |
|
| **Type** |  |
| **Contact Person** |  |
| **Email Address** |  |
| **Main Contribution, tasks and added-value** |  |
| **Strategic Importance** |  |

Provide a short description of each partner (company profile) and expert involved (short CV). Specify responsibilities allocated to experts.

## Project partner contact information

|  |
| --- |
| **Name of Organisation** |
| **Contact person**  |  |
| **Address** | **City** | **Country** |
|  |  |  |
| **Telephone** | **E-mail** | **Fax** |
|  |  |  |

# Coverage of the Research Objectives

Please choose the Cluster Domain **CELTIC 9.1** or **Eurogia 9.2** and the Coverage Types.

Please mark in the table the coverage of the Cluster research items of your proposal. Please do NOT mark more than 3 main items ("**2**"), and 2 additional research items ("**1**"). (**Empty or 0** for not covered research items.)

## Coverage of CELTIC-NEXT Research Objectives:

**CELTIC-NEXT Scope and Research Areas Coverage**

|  |  |
| --- | --- |
| CELTIC-NEXT [Scope and Research Areas](https://www.celticnext.eu/celticnext-purple-book/) Taxonomies | Coverage |
| **A NETWORKING** |  |
| A1 Networks Elements and Infrastructures |  |
| A2 Mobile / Wireless |  |
| A3 Broadband, fixed networks |  |
| A4 Optics |  |
| A5 Satellite |  |
| A6 Broadcast |  |
| A7 Energy efficiency (of networks) |  |
| A8 Network architectures and connectivity |  |
| A9 Network infrastructure and platforms |  |
| A10 Network Management and operation |  |
| A11 Autonomic / Open Networks / Ad-hoc Networks |  |
| A12 Network evolution |  |
| A13 Network Security / Privacy |  |
| A14 Network Safety / Robustness  |  |
| A15 Other network infrastructure aspects |  |
| **B SERVICES AND APPLICATIONS** |  |
| B1 Voice Services |  |
| B2 Data Services |  |
| B3 Multimedia and content Services  |  |
| B4 Audio/ Video Services (incl. image processing) |  |
| B5 Mobile Services |  |
| B6 Cloud Services |  |
| B7 Security, Privacy related services |  |
| B8 IoT related services |  |
| B9 Teleworking  |  |
| B10 Smart City related services and applications |  |
| B11 Smart home related services and applications |  |
| B12 Smart enterprise / transport related services and applications |  |
| B13 Smart traffic / car related services and applications |  |
| B14 eHealth related services and applications |  |
| B15 eGovernment related services and applications |  |
| B16 eLearning / digital school related services and applications |  |
| B17 Entertainment services and applications |  |
| B18 Gaming services and applications |  |
| B19 Location related services (incl. navigation) |  |
| B20 Business related services and applications (incl. ePayment) |  |
| B21 Societal Improvement |  |
| B22 Disaster recovery, safety |  |
| B23 Future end-to-end services |  |
| B24 Quality related aspects |  |
| **C FUTURE SERVICE ENABLERS** |  |
| C1 Future Service Platforms |  |
| C2 Future interfaces |  |
| C3 Multimedia enablers |  |
| C4 Security/ safety, trust and identity  |  |
| C5 Big Data, Data Mining, Reality Mining |  |
| C6 Business and societal issues |  |
| C7 Future Displays / Enhanced reality |  |
| C8 Artificial Intelligence |  |
| **D FUTURE INTERNET / CLOUDS** |  |
| D1 Technology foundation |  |
| D2 Future Internet Use-case scenarios / Test environment |  |
| D3 Cloud-related |  |
| D4 Internet of Things, including Sensors and Wearables |  |
| D5 Internet of Services |  |
| **E FUTURE USAGE AREAS AND MULTI-DISCIPLINARY APPROACH** |  |
| E1 Smart Cities (incl. smart grids, water management, etc.) |  |
| E2 Digital / Smart Home |  |
| E3 Digital Enterprise including Industry 4.0 |  |
| E4 Personal Mobility / Transport / Logistics / Food |  |
| E5 Smart Learning / Digital School |  |
| E6 Smart Car / Smart Traffic |  |
| E7 eHealth |  |
| E8 eGovernment |  |
| E9 Smart Energy (incl. energy efficiency) |  |
| E10 Environmental issues |  |
| E11 Entertainment |  |
| E12 Gaming |  |
| E13 Business related Issues |  |
| E14 Societal Issues |  |

## Coverage of EUROGIA 2020 Research Objectives:

**Eurogia Scope and Research Areas Coverage**

|  |  |
| --- | --- |
| Eurogia [White Book](http://eurogia.com/component/downloads/downloads/131.html) Taxonomies | Coverage |
| **F Energy generation** |  |
| F1 Wind  |  |
| F2 Solar  |  |
| F3 Geothermal |  |
| F4 Biomass |  |
| F5 Marine Renewable Energies |  |
| F6 Oil & Gas, Green Coal |  |
| F7 Other |  |
| **G Energy efficiency System operation** |  |
| G1 Smart grid |  |
| G2 Micro grid |  |
| G3 Smart meters |  |
| G4 Zero Carbon Buildings  |  |
| G5 Co-generation & CHP |  |
| G6 Electronics & appliances |  |
| G7 Smart Sensors |  |
| **H Energy Management technologies & services**  |  |
| H1 Demand Side Management  |  |
| H2 Demand forecast  |  |
| H3 Energy as a service  |  |
| **I Energy storage** |  |
| I1 Batteries |  |
| I2 Fuel cells |  |
| I3 Thermal storage |  |
| I4 Hydrogen storage |  |
| I5 Other |  |
| **J Electric Vehicles** |  |
| J1 Batteries |  |
| J2 Fueling/charging infrastructure  |  |
| **K ICT for Energy Applications** |  |
| K1 IoT |  |
| K2 AI |  |
| K3 Data storage |  |
| K4 Blockchain |  |

# Appendices

This section can be used to attach important and related documents to the proposal which are considered relevant for the assessment or labelling. The number of appendices (if any) should be limited to only the most important ones.

1. \*) These chapters are particularly important for the funding countries. Describe carefully the advantages for each involved countries and explain why a public funding would be beneficial. [↑](#footnote-ref-1)
2. PU = Public, RE = Restricted to a group specified by the consortium, CO = Confidential, only for members of the consortium [↑](#footnote-ref-2)
3. Measured in months from the project start date [↑](#footnote-ref-3)
4. Measured in months from the project start date [↑](#footnote-ref-4)
5. Measured in months from the project start date [↑](#footnote-ref-5)
6. Measured in months from the project start date [↑](#footnote-ref-6)
7. Measured in months from the project start date [↑](#footnote-ref-7)
8. Measured in months from the project start date [↑](#footnote-ref-8)
9. Measured in months from the project start date [↑](#footnote-ref-9)