

Celtic Eurogia Proposal (CEP) – 2nd 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	2021	2022	2023	2024	2025 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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1 TECHNOLOGICAL INNOVATION AND NOVELTY IN RELATION TO THE SOTA AND STRATEGIC RELEVANCE

1.1 State-of-the-art situation *)

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.

1.2 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?

1.3 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.

*) 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.

2 BUSINESS ASPECTS

2.1 Market analysis/view

2.2 Technological value chain and added value of the collaboration

2.2.1 Added value of the cooperation at technology level

2.2.2 Added value of the cooperation at business level

2.2.3 Consortium/partner access to the market

Project Partner	Market Access (targeted countries and market segments)

2.3 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..

2.4 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).

2.4.1 European perspective

2.4.2 National perspective for <country A>

2.4.3 National perspective for <country B>

2.5 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.

3 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.)

4 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.

4.1 Risk Assessment

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

5 WORK PACKAGE DESCRIPTION AND WORK BREAKDOWN

5.1 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)

5.2 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).

5.3 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						

i. List of all Deliverables and Milestones

Del. No.	Name of Deliverable (Dx.x) or Milestone (Mx.x)	Type (report, software)	Dissemination level ¹	Delivery month ²
D1.1				
D2.1				
M1				
D2.1				

WP 1

WP1	WP - Title:
WP Start date: Month	WP End date: Month

¹ PU = Public, RE = Restricted to a group specified by the consortium, CO = Confidential, only for members of the consortium

² Measured in months from the project start date

WP1 Partners and role (WPL; TL) and contribution	Country:	Effort allocation (PM)
WP leader first and in bold		

<p>Objectives</p>
<p>Description and expected results</p> <p>Task 1.1: <description></p> <p>Task 1.2: <description> etc.</p>

Deliverables (D1.x)/ Internal Reports (IR1.x) / Milestones (M1.x)	Title and short description	Partner involvement	Month³
D1.1 etc.	<i>Title</i> Short description	Lead Partner bold Others	

³ Measured in months from the project start date

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	Month⁴
D2.1 etc.	<i>Title</i> Short description	Lead Partner bold Others	

WP 3

WP3	WP - Title:		
WP Start date: Month		WP End date: Month	

⁴ Measured in months from the project start date

WP3 Partners and role (WPL; TL) and contribution	Country:	Effort allocation (PM)
WP leader first and in bold		

<p>Objectives</p>
<p>Description and expected results</p> <p>Task 3.1: <description></p> <p>Task 3.2: <description> etc.</p>

Deliverables (D3.x)/ Internal Reports (IR3.x) / Milestones (M2.x)	Title and short description	Partner involvement	Month⁵
D3.1 etc.	<i>Title</i> Short description	Lead Partner bold Others	

⁵ Measured in months from the project start date

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	Month⁶
D4.1 etc.	<i>Title</i> Short description	Lead Partner bold Others	

⁶ Measured in months from the project start date

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	Month⁷
D5.1 etc.	<i>Title</i> Short description	Lead Partner bold Others	

WP 6

WP6	WP - Title:
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⁷ Measured in months from the project start date

WP Start date: Month		WP End date: Month	
WP6 Partners and role (WPL; TL) and contribution		Country:	
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	Month⁸
D6.1 etc.	<i>Title</i> Short description	Lead Partner bold Others	

⁸ Measured in months from the project start date

6 COST BREAKDOWN PER PARTNER AND YEAR

6.1 Total effort allocation per partner and year

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

6.2 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)									

6.3 Total budget allocations per partner and year

Figures in kEuro

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

6.4 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

6.5 Total budget allocations per country

Figures in kEuro

Country	2020	2021	2022	2023	2024 (+)	Total
Country 1						

(add rows as necessary)

6.6 Total effort allocations per country

Figures in person year (PY)

Country	2020	2021	2022	2023	2024 (+)	Total
Country 1						

(add rows as necessary)

7 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.).

8 OVERVIEW OF THE CONSORTIUM BY PARTNER

8.1 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.

8.2 Project partner contact information

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

9 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.)

9.1 Coverage of CELTIC-NEXT Research Objectives:

CELTIC-NEXT Scope and Research Areas Coverage

CELTIC-NEXT Scope and Research Areas 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	

CELTIC-NEXT Scope and Research Areas Taxonomies	Coverage
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	

CELTIC-NEXT Scope and Research Areas Taxonomies	Coverage
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	

9.2 Coverage of EUROGIA 2020 Research Objectives:

Eurogia Scope and Research Areas Coverage

Eurogia White Book 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	

Eurogia White Book Taxonomies	Coverage
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	

10 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.