Proposers Day
20 February 2017, Berlin

Experiences of Submitting a Celtic-Plus Proposal

Frank Burkhardt, Fraunhofer IIS
frank.burkhardt@iis.fraunhofer.de

1

Background

RelCOvAir - **Re**liable **I**ndustrial **C**ommunication **Ov**er the **Air**

An **industry 4.0** project

- Developing a **method for qualification** of different wireless **transmission standards** for industrial applications
- Providing the means to **test existing devices** and to **simulate** the behaviour of **emerging waveforms**
- Bring the results to the **European standardization bodies**

Project facts

- 12 funded project partners from 3 countries (Finland, Germany, Spain), 3 external advisors
- Planned budget of ~3.3 million Euros
- Planned effort of ~28 person years
- Project start 1/2016
- Project duration 33 months

Background

Industrial Partners

CETECOM™ **GHMT®** **Qosmotec**

KALTIOT **SAPOTECH** **Verkotan**

SQS **TRIMEK**
METROLOGICAL ENGINEERING

Scientific Partners

Fraunhofer
Heinrich Hertz Institute

Fraunhofer
IIS

ifak

CWC CENTRE FOR WIRELESS COMMUNICATIONS
cwc.oulu.fi University of Oulu

Advisory Partners

innovalia ASSOCIATION **KATHREIN** **SIEMENS**

Background

RelCOvAir is funded by:

Bundesministerium für Bildung und Forschung

Tekes

GOBIERNO DE ESPAÑA — MINISTERIO DE ENERGÍA, TURISMO Y AGENDA DIGITAL

Webpages:

https://www.celticplus.eu/project-reicovair/
https://www.iis.fraunhofer.de/en/ff/kom/proj/reicovair.html

Project Setup Timeline

Time	Action
March 2014	Idea
May 2014	**1st Contact with Celtic office**
August 2014	**1st Contact with PA**
Until April 2015	Initial search for partners
June 2015	Submission to Celtic
June 2015	Approval by Celtic
Summer 2015	Submission of national proposals (Finland/Germany)
November 2015	German and Finnish funding decisions
January 2016	Start of project work
June 2016	Submission of Spanish national proposal
October 2016	Spanish funding decision
February 2017	Joining of Spanish project partners

Celtic Plus Office

They help you with

- Is your idea is compatible with Celtic Plus

- What are the funding conditions

- Which countries are likely to provide funding for the project

  - This changes over time

  - **Take care that most countries do not provide a dedicated budget for Celtic projects(!)**

- Provide contacts to the Public Authorities

- Can provide contacts to potential partners

- Provide forums where you can try to find partners

They help you with

- Is there a chance for funding based on:
    - The topic
    - Availability of budget
- What are the funding conditions
- In the scope of which national programme you should submit the proposal
- When should you submit the proposal

Believe your PA. If your PA states that there is no budget available then there is very high chance that the effort you spend for the propsal will be in vain (in regard of getting funding).

$\Rightarrow$ **Ask the PA as soon as possible with a certain degree of concreteness (e.g. 3 pages Memo describing the project idea).**

Lessons Learned

Celtic Phase (language = english)

- CPP Celtic Plus Proposal
  - Check before writing the CPP that the PD and CPP follow the same template
- CLD Confirmation Letter and Declaration of acceptance

PA Phase (language = **mostly national language!**)
- National Project Description (all national partners)
- National Individual Project description (each partner)
- ⇒ **High chance of double work!**

Startup Phase
- PD - Celtic Plus Project Description (Celtic)
  - An update (called PCC of the CPP which includes all changes from CPP)
- National cooperation agreement (PA)
- PCA - Celtic-Plus Project Cooperation Agreement (Celtic)

Lessons Learned

Design your project over the countries with a separation of concerns

- For each country clearly seperate results can be obtained
- Maybe even the order of writing the proposals can be changed
    - 1st national proposal
    - 2nd celtic proposal (as a summary of the national proposals)
- If partners are not funded then the national results are still not affected

You never know when or if partners from different countries will be funded

- Have a good fallback plan (e.g. reductino of project goal)
- Be prepared to search for further partners even if the project is already running

Contact Info

For more information please contact:

Frank Burkhardt

Tel: +49 9131-776-6312
frank.burkhardt@iis.fraunhofer.de

Thomas Heyn
Tel. +49 160-5840 473
Thomas.heyn@iis.fraunhofer.de

Fraunhofer-Institut für Integrierte Schaltungen IIS
Am Wolfsmantel 33
91058 Erlangen

Web: http://www.iis.fraunhofer.de