

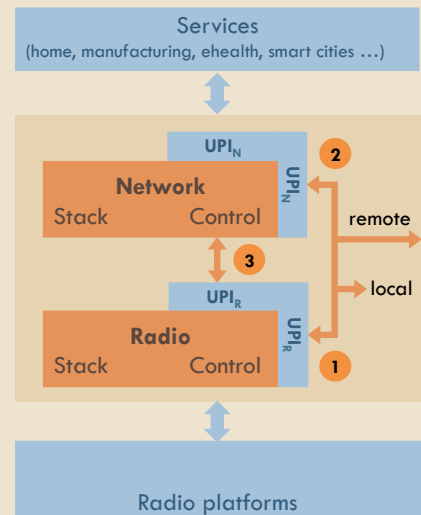
PROJECT OVERVIEW

The WiSHFUL project will **lower the wireless experimentation threshold** by developing flexible, scalable, open software architectures and programming interfaces for prototyping novel wireless solutions.

Key features of WiSHFUL include:

- **Unified radio control**, featuring deep and time-critical control of physical and medium access components, across a range of radio hardware platforms (embedded sensor platforms, off-the shelf wireless extension cards and software define radios)
- **Unified network control**, supporting rapid creation, modification, and prototyping of protocols across the entire stack

WiSHFUL will also create a **portable testbed**, composed of facilities that can be deployed easily and efficiently at any location to support validation of wireless solutions in the real world, with the same (remote) experiment control features as current fixed FIRE test facilities.



OPEN CALLS FOR EXPERIMENTATIONS & EXTENSIONS

CALLS FOR EXPERIMENTATION: The WiSHFUL consortium calls for proposals of funded experiments to be performed using the WiSHFUL facilities and software platforms.

- About 900 K€ is allocated for wireless experimentation, of which at least 50% will be spent to individuals and small and medium-size enterprises.
- The typical budget for a single experiment is 60 k€. The typical duration of a single experiment is 4 months.
- Five experimentation calls will occur with a spacing of 4 months starting in December 2015.

CALLS FOR EXTENSIONS: The WiSHFUL consortium further calls for proposals to extend WiSHFUL research infrastructure.

- About 450k € is allocated for extensions
- The typical budget for a single extension is 120 k€
- Two extension calls will occur, a first one in December 2015 and a second one in December 2016.



GUARANTEED SUPPORT: Each applicant will be supported by a member of the WiSHFUL consortium for discussing the feasibility of the experiment/extension at proposal time, and for guiding the experiment/extension during execution.

TOPICS FOR OPEN CALLS will be determined through community surveys:

- Academic Community Survey: <http://goo.gl/forms/DuK2F3Skv5>
- Industry Community Survey: <http://goo.gl/forms/iRPKu1esyE>

If you plan to participate to an open call, filling out the survey is highly recommended!



PROJECT DATA
Start date: 01/01/2015
Duration: 36 M
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