Fed4FIRE+:
Your free gateway to top-quality testbeds in the area of NGI experimentation

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NGI Forum
19 May 2021

Agenda

14:00: **Introduction**   **Peter Van Daele (imec)**

14:10: **Testbed's presentation** **Brecht Vermeulen (imec)**

14:20: **Success story 1**   **Daniele Miorandi (U-Hopper)**

14:30: **Success story 2**   **Paulo Marques (Allbesmart)**

14:40: **Fed4FIRE+ Open call's**   **Peter Van Daele (imec)**

14:45: **Q&A and conclusion**

Introduction

"Digital Society" is supported by a wide range of technologies

- Wide range of technologies (wireless, wired, cloud, Big Data, 5G, IoT, …)

- Linking & interaction between heterogenous technologies

Introduction

New research / ideas / concepts / products / tools …

Need to be implemented in a

- Highly competitive environment with

- Rapidly evolving requirements

- In multi- & cross-technology areas

Calls for
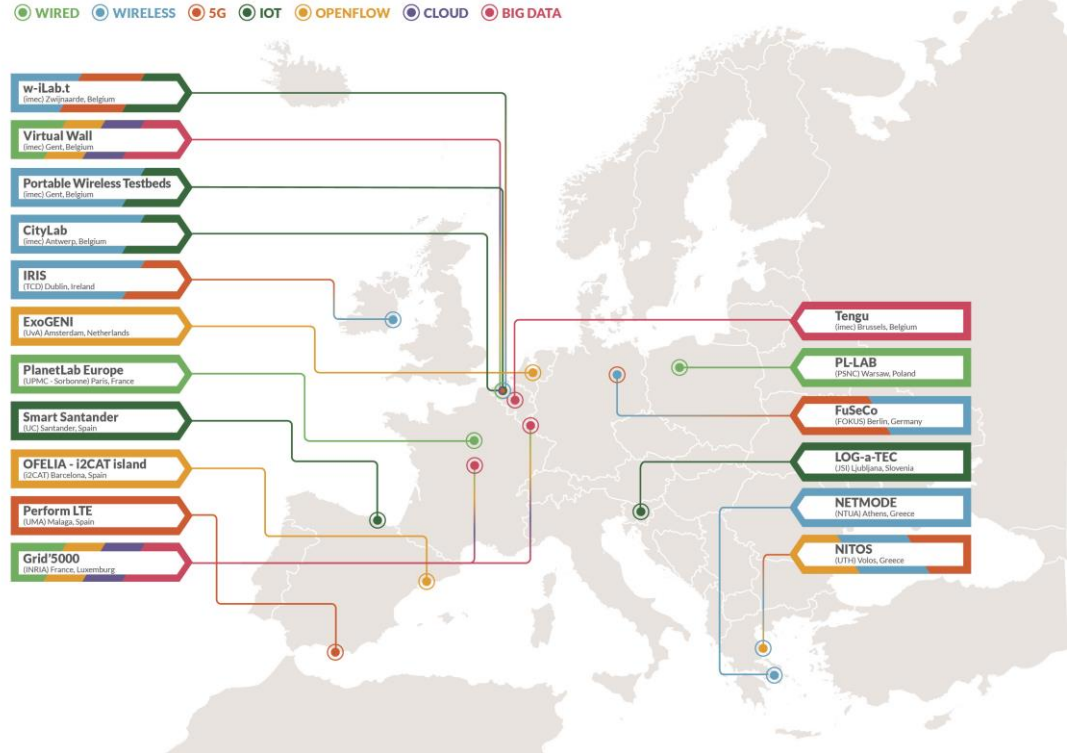
- Up-to-date testing facilities

- Skilled support

Too expensive for many players …

Objectives Fed4FIRE+ (2017 – 2021)

Starting point:

- Europe has top-quality testbeds in (FIRE) NGI area

- **Make these accessible to SME's, Industry, Academia, RI,..**

- Fed4FIRE (FP7) made this into "best-in-town" federation (2012-2016)

Objectives Fed4FIRE+ (2017 – 2021)

Fed4FIRE+

has the objective to
- serve the **community** and to
- support **digital transformation**

by
- offering **low threshold** access to
- a **top-quality** Research Infrastructure
- for a **broad spectrum** of activities in the IT domain
- covering a **wide range of technologies**
- and supporting **cross-technology** applications
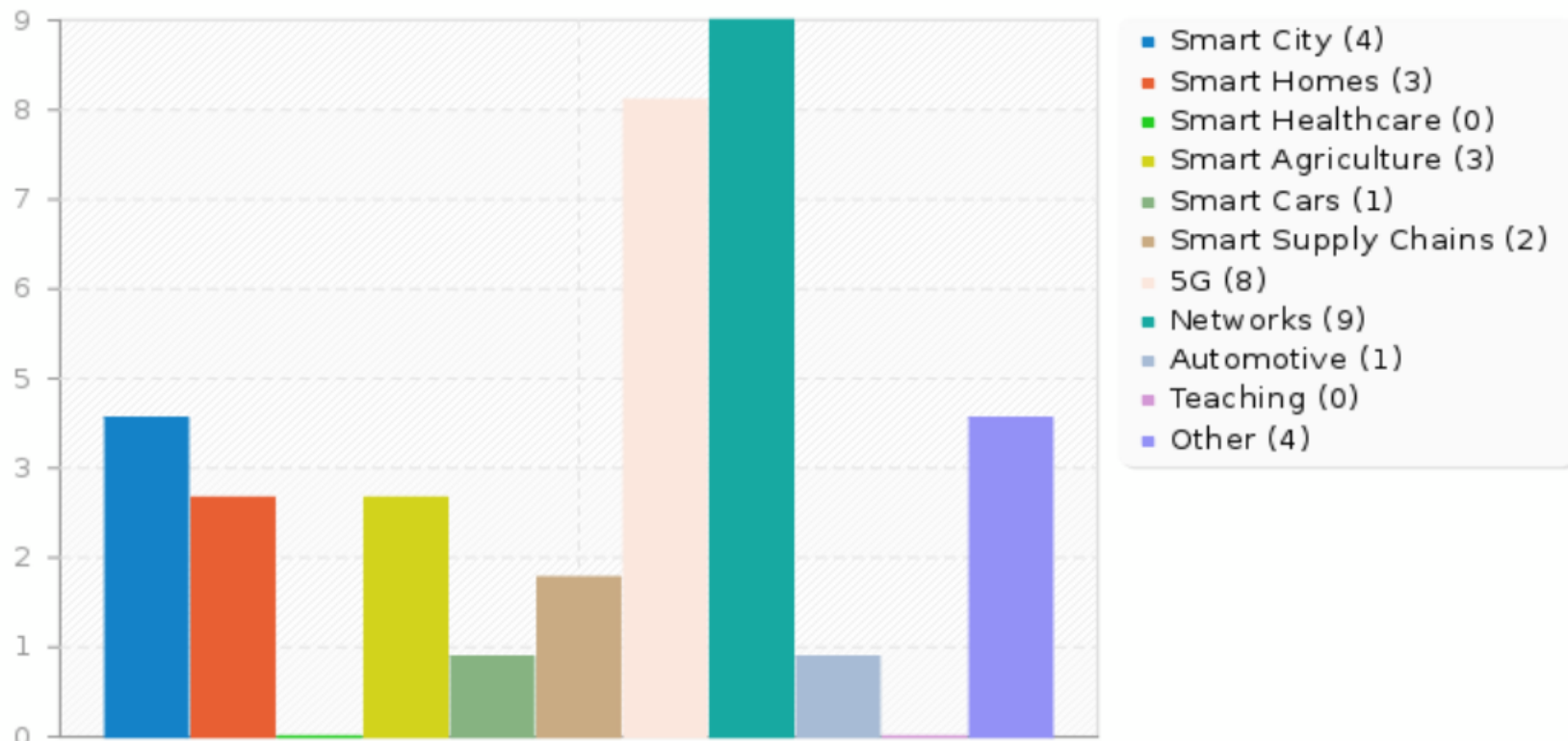
Areas covered

Fed4FIRE+ supports NGI research domain
with open, accessible and reliable facilities
providing a wide variety of different technologies:

- Wired testbeds   - Wireless testbeds
- 5G testbeds   - IoT testbeds
- Openflow testbeds   - Cloud testbeds
- Big Data testbeds

Simple, efficient, and cost effective experimental processes

(research, development, upgrade, stress-test, reality-check,…)

Areas covered

Legend:
- Smart City (4)
- Smart Homes (3)
- Smart Healthcare (0)
- Smart Agriculture (3)
- Smart Cars (1)
- Smart Supply Chains (2)
- 5G (8)
- Networks (9)
- Automotive (1)
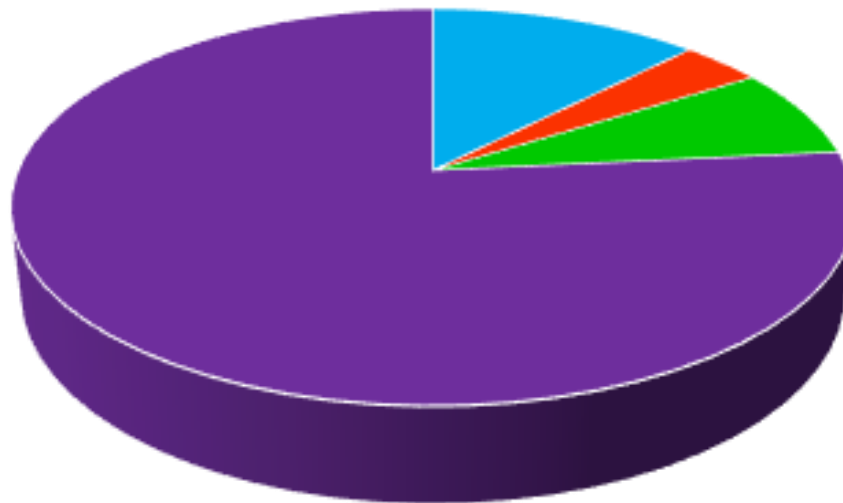- Teaching (0)
- Other (4)

Is this for you??

Submitted proposals - all calls
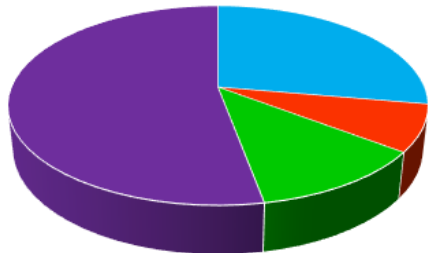
■ Academia ■ Industry ■ Research Institution ■ SME

Accepted proposals - all calls

■ Academia ■ Industry ■ Research Institution ■ SME

Modalities

Accessible

       - for FREE (Open Access)

       - with funding (Open Calls)

All testbeds are operated by Academia or RI's

Vendor / Operator neutral

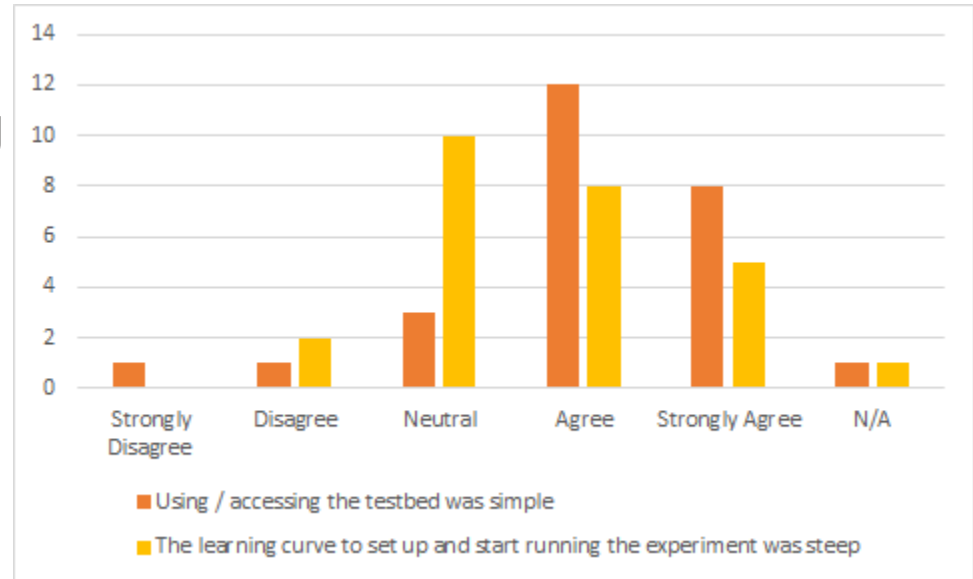**"Your IP" remains "Your IP"**

Experimentation on Fed4FIRE+ Testbeds

Objectives

Fed4FIRE+ works on:

- Lowering threshold for experimentation by SME, industry and research organisations,

- Upgrading and improving to increase user satisfaction

WWW.FED4FIRE.EU

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The Open Calls

Purpose of the competitive open calls

Lower threshold for experimenters to access the Fed4FIRE+ facilities:

- By providing funding

- By providing a Patron for support in setting up / running experiment

- Low administrative effort (no "EU formalities")

In return experimenter needs to provide:

- Reporting

- Presentation

- Feedback

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Participation in Open Calls

**Proposal preparation (Open Call 9 – open now):**

- Project Summary (1 page) → **5 months duration**
- Detailed Description and Expected Results (target length 6 pages)
- Requested Fed4FIRE+ tools, testbeds and facilities (1 page form)
- Compliance check (Patron to provide)
- Background and qualifications (1-2 pages)
- Expected feedback to the Fed4FIRE+ Consortium (1-2 pages)
- Future plans (1 page)
- Requested funding (1 page form) → **55k max**
- Participation in previous Open Calls of the Fed4FIRE+ project. (1-2 pages)
- Open Research Data (form to be completed)
- Survey & Use of proposal information

Participation in Open Calls

Proposal preparation (SME Continuous Call – every 2 weeks):

- Project Summary (1 page) **→ 1 month duration**

- Detailed Description and Expected Results (2 pages)

- Requested Fed4FIRE+ tools, testbeds and facilities (1 page form)

- Compliance check (Patron to provide)

- Background and qualifications (1/2 page)

- Requested funding (1 page form) **→ 10k max**

- Participation in previous Open Calls of the Fed4FIRE+ project. (1-2 pages)

- Open Research Data (form to be completed)

- Use of proposal information

1 or multiple testbeds??

4% 5%

28%

63%

■ 4 Testbeds ■ 3 Testbeds ■ 2 Testbeds ■ 1 Testbed
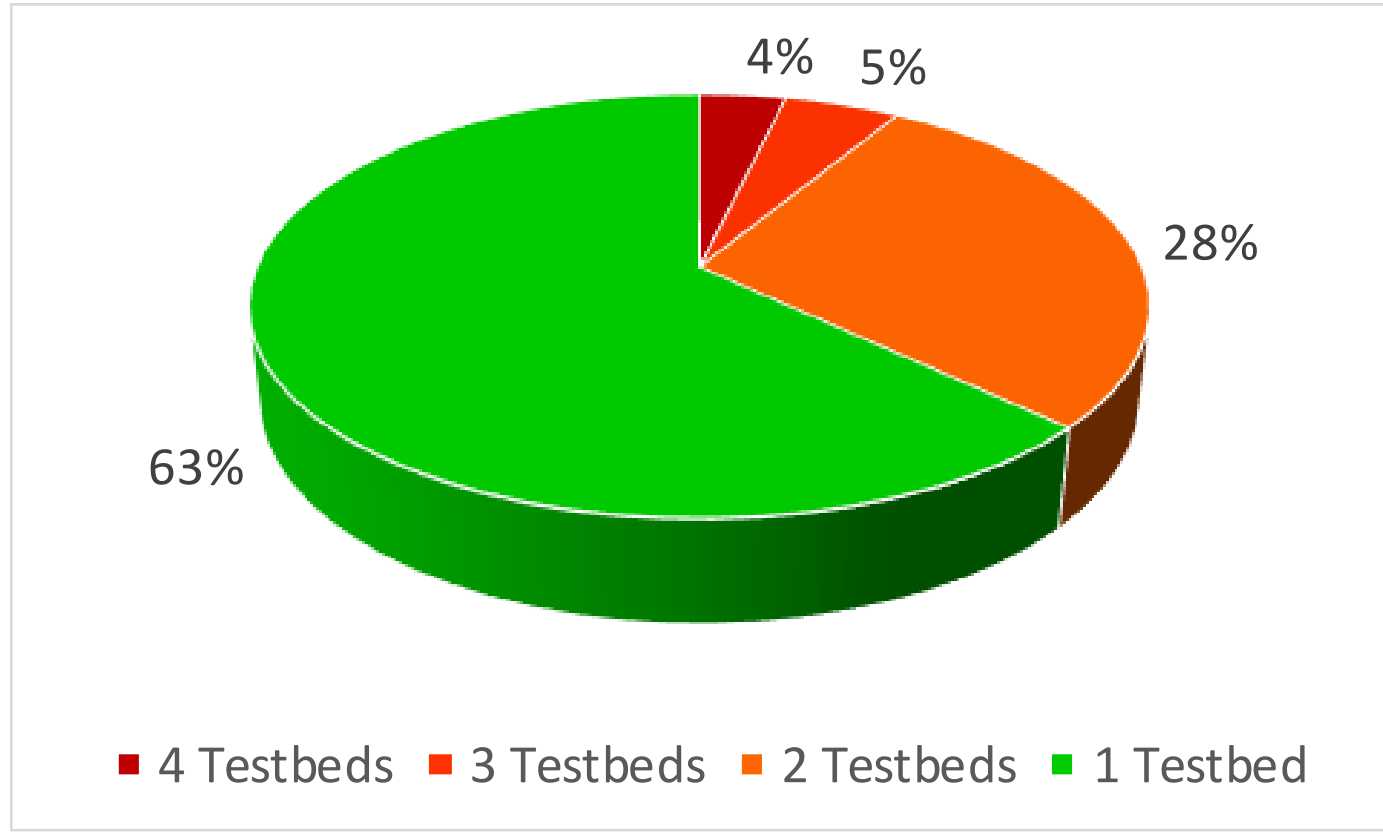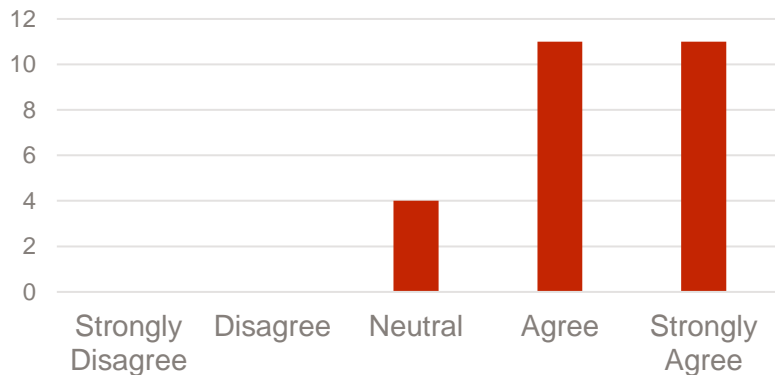
Added value to Experimenters

Fact check !

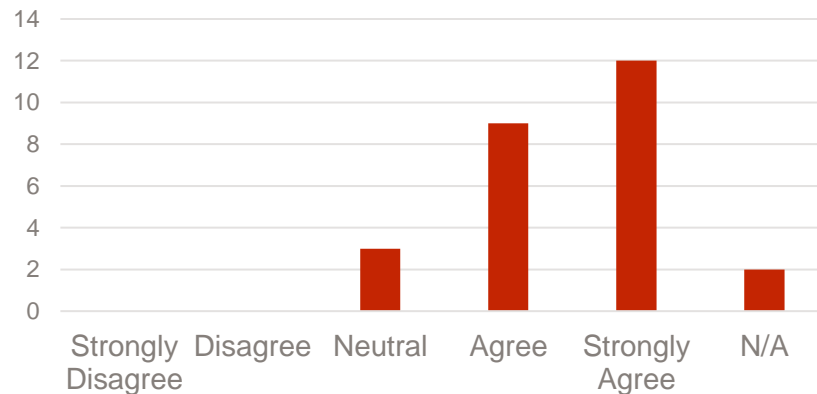Open Call experimenters like

- The variety of testbeds / technologies

- The open access

- The ease of use

Added value to experimenters

Running the experiment had a significant impact on my business as a company or my research activities as an organisation

Running the experiment greatly facilitated improving my product / research subject

That's all Folks!

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