



# Introduction

Peter Van Daele

*imec*

FEC6

*Athens*

15-17/10/2019



**Agenda**

# Agenda – Tuesday 15/10/2019



- 09:30 – 10:00 Welcome from IMEC and Introduction on Fed4FIRE+ & Open Calls  
(Peter Van Daele, IMEC)
- 10:00 – 10:45 Keynote 1: IoT in the 5G and MEC era  
(Sergios Soursos, INTRACOM Telecom)
- 10:45 – 11:15 Coffee Break
- 11:15 – 12:00 Keynote 2: MESON Project: Cross Slice Communication at the edge of the network  
(Panagiotis Papadimitriou, UoM Greece)
- 12:00 – 12:45 Keynote 3: Swarm Computing  
(Enric Pages Montanera, ATOS Spain)
- 12:45 – 14:30 Lunch Break

# Agenda – Tuesday 15/10/2019



14:30 – 16:00 Presentations by Testbeds

- **TRIANGLE (Former PerformLTE)**, Ivan Gonzalez, UMA
- **NETMODE**, Dimitris Dechouniotis, NTUA
- **NITOS**, Virgilios Passas, CERTH
- **Planetlab-edgenet**, Berat Senel, SU
- **w-iLab.t, Citylab and Portable Wireless Testbed**, Brecht Vermeulen, imec
- **IRIS**, Diarmuid Collins, TCD

16:00 – 16:30 Coffee Break

# Agenda – Tuesday 15/10/2019



16:30 – 19:00 DEMO FAIR, PRIZE LAUNCH & 1 minute lightning demo talks

- OC3 Experiments
  - **SODA**, University of Montenegro, Montenegro
- OC4 Experiments
  - **ANGEL**, INFOLYSiS P.C., Greece
  - **FB-FIRE**, Axbryd, Italy
  - **UNIC**, University of Macedonia, Greece
  - **SUNSeT**, Cumucore Oy, Finland
- OC5 Experiments
  - **AdaHon**, University of Ljubljana, Slovenia
  - **SIMBED+**, INESC TEC, Portugal **FEC7 (?)**
  - **SCION on Fed4FIRE+**, OVGU Magdeburg, Germany **FEC7**
  - **DYNAMO**, University of Vigo, Spain
  - **Internet on FIRE**, University of Trento – DISI, Italy
  - **CDN-X-ALL**, Vicomtech, Spain
  - **QoS Predictions WSN**, COMSATS University Islamabad, Wah Campus, Pakistan

# Agenda – Tuesday 15/10/2019

16:30 – 19:00 DEMO FAIR, PRIZE LAUNCH & 1 minute lightning demo talks

- Demos from the SMEs experimenting through the continuous Open Call
    - **MMT-IoT**, Montimage, France
    - **SOI-TWIN**, Spinor GmbH, Germany **FEC7**
    - **WiFi HaLow**, Methods2Business, Netherlands
    - **Lucy**, IronRobots.com, Germany
    - **Web 3.0 IoT platform**, webRunex, United Kingdom
    - **Fed4-0**, STONESHIELD LDA, Portugal
    - **SHDS**, SYNDESIS, Greece
    - **PICASSO**, Business and Innovation Center, North Macedonia
    - **FVT**, ZELUS P.C., Greece **FEC7**
    - **SmartCPS**, KMB Lab srl, Italy
  - BEST DEMO AWARD
- 19:00 – 20:30 Walking & networking dinner
- 19:00 – 20:30 Federation board meeting

# Agenda – Wednesday 16/10/2019



- 09:30 – 10:30 Feedback & Update session (Peter Van Daele, imec)
- Update on the Fed4FIRE+ Testbeds & What did they learn from the experiments?
  - How to organise FECs, open calls, user questionnaire?
- 10:30 – 11:00 Coffee Break
- 11:00 – 12:30 Fed4FIRE+ operations overview (WP2) - Fed4FIRE+: where to go from here? (Brecht Vermeulen, IMEC)

## TRACK 1

- 14:30 – 1:00 Student Workshop
- 16:30 – 18:00 Student Workshop

## TRACK 2

- 14:30 – 16:00 WP5 overview and discussion on open calls (Peter Van Daele, imec)  
WP6 discussion on dissemination
- 16:30 – 18:00 WP4 progress and discussions (Alexander Willner, TU Berlin)

# Agenda – Thursday 17/10/2019



- 09:30 – 11:00 WP3 Progress & discussions  
(Brecht Vermeulen, IMEC)
- 10:45 – 11:15 Coffee Break
- 11:30 – 13:00 Fed4FIRE+ Progress Meeting  
Short summary of WP plans (WP leaders) + review preparation



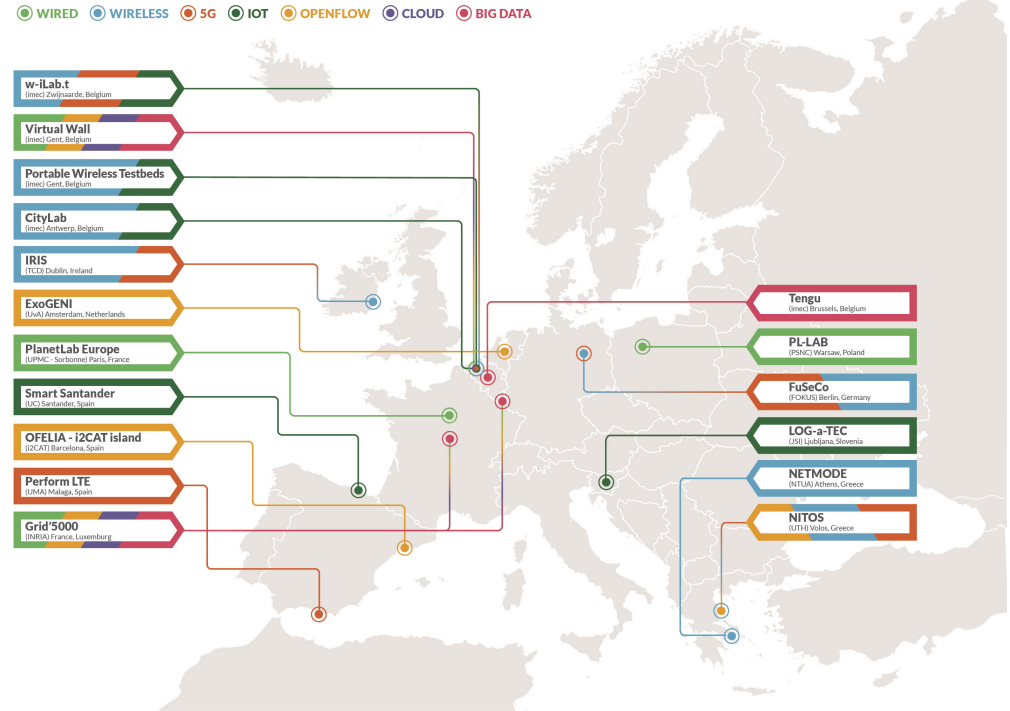


## The Fed4FIRE+ Testbeds

# Objectives

Starting point 01/01/2017:

- Europe has top-quality testbeds in NGI area
- Fed4FIRE made this into “best-in-town” federation



# Objectives

Fed4FIRE+ works on:

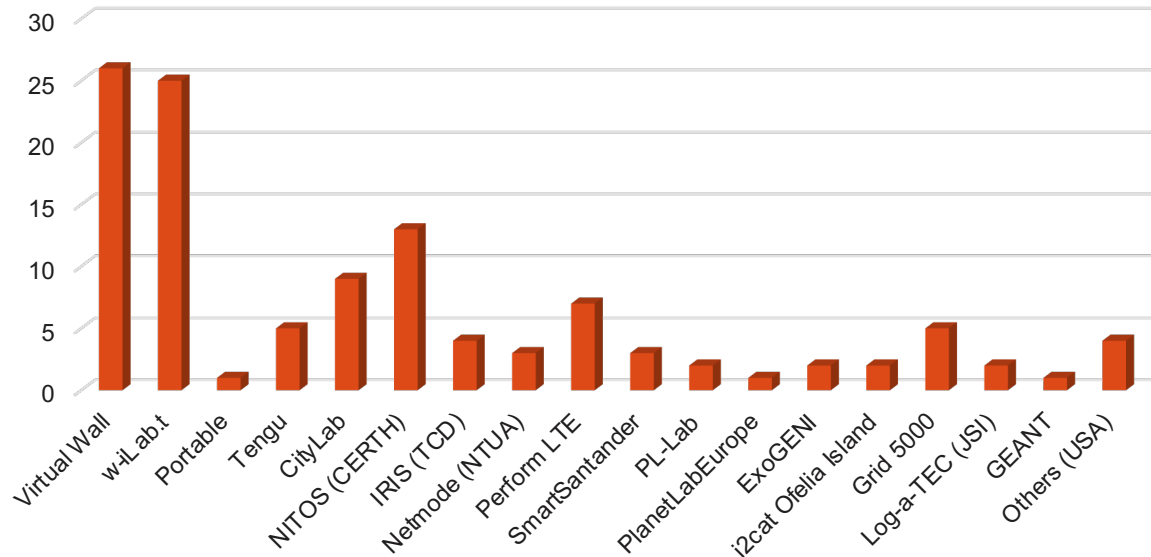
- Further exploiting, enlarging and building this federation

But (review comment):

- The consortium needs to make sure it will continue to have a unique, attractive and useful platform in the end of the project. For this to be true, clear targets and achievements have to be planned and the open calls need to be used with respect to those targets

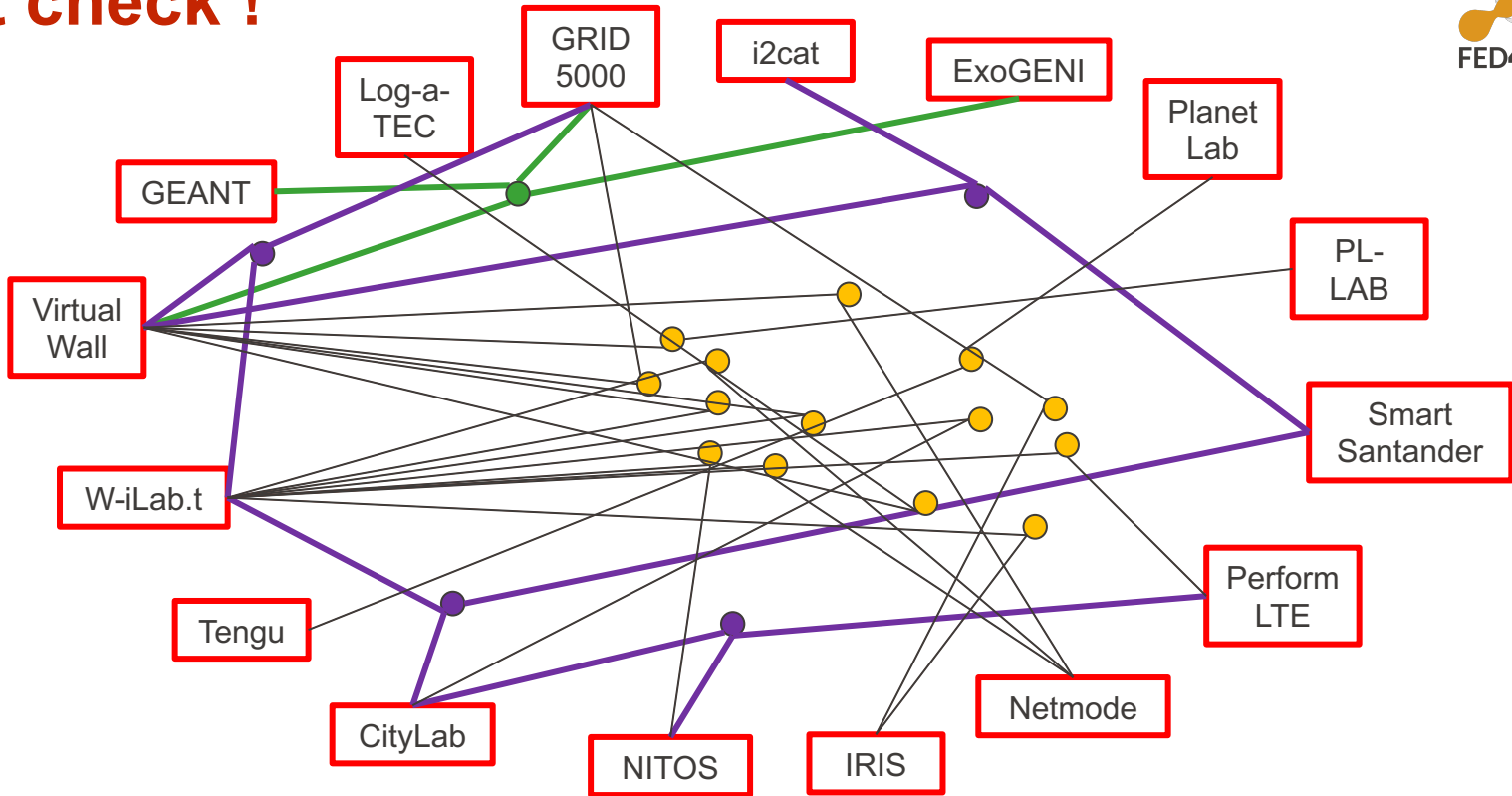
# Fact check !

## Use of Testbeds (75 Open Call experiments)



Do we need to add new Testbeds ? How to select testbeds ?

# Fact check !





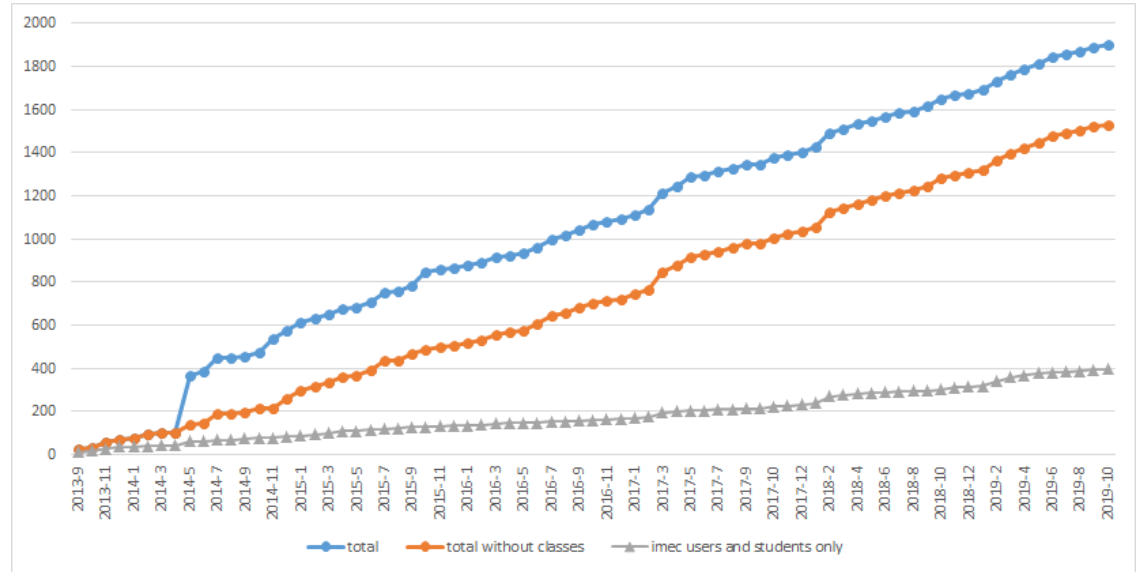
**Fed4FIRE+**  
**Users in Open Calls**

# Objectives



Fed4FIRE+ works on:

- Making an open federation to the whole NGI community and beyond
- Open Calls
  - 195 submitted
  - 75 funded



# Fact check !

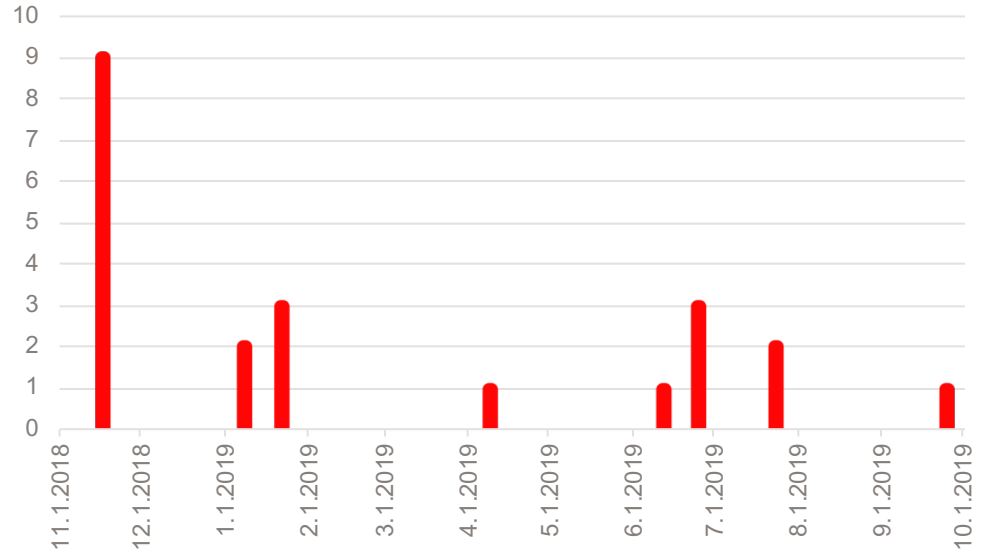
Fed4FIRE+ works on:

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



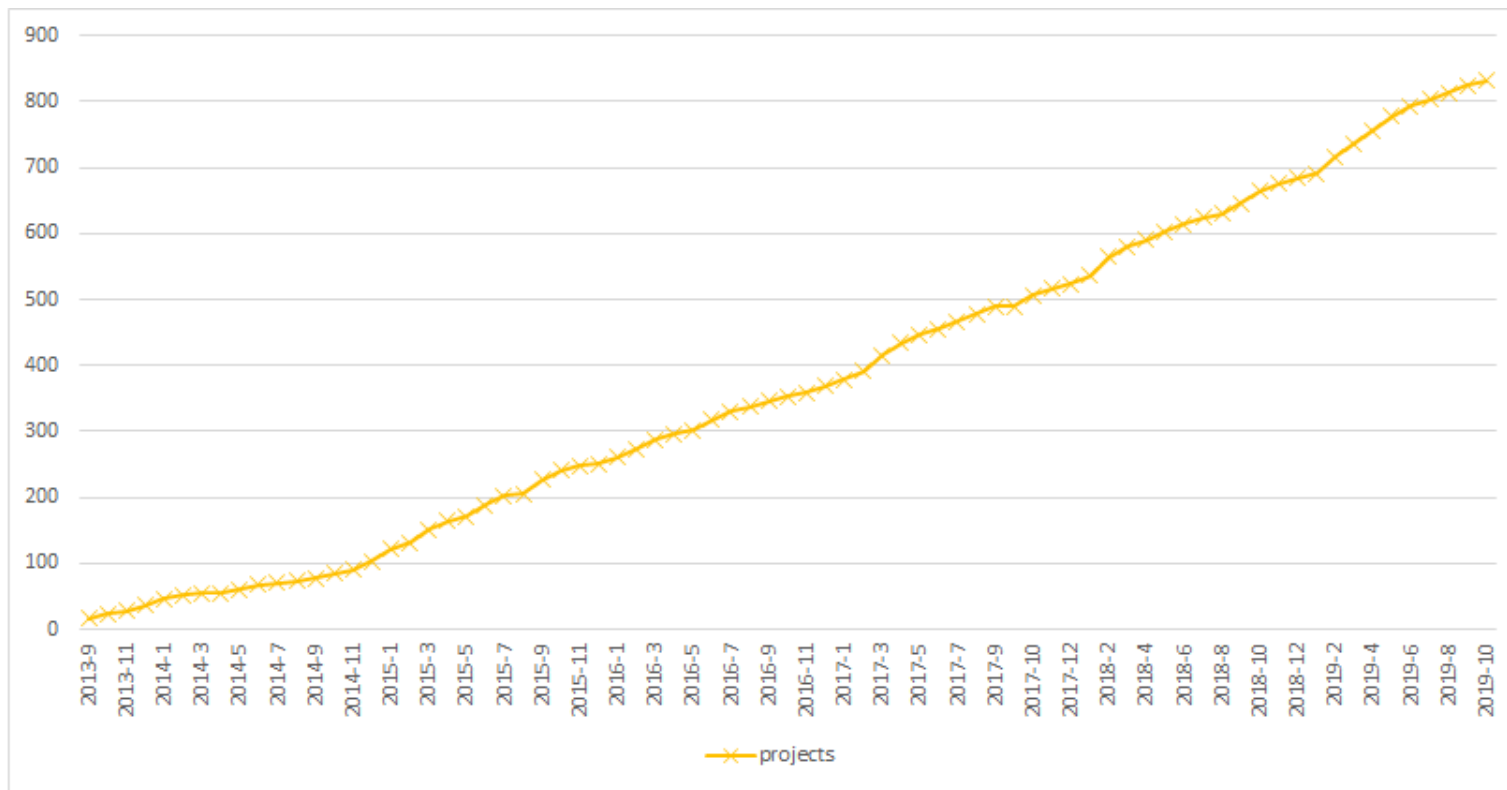
CONTINUOUS CALL "SME CASCADED EXPERIMENTS"

- 22 proposals submitted  
15 have been funded
- 8 went for Stage 2  
7 selected





# Fact check !

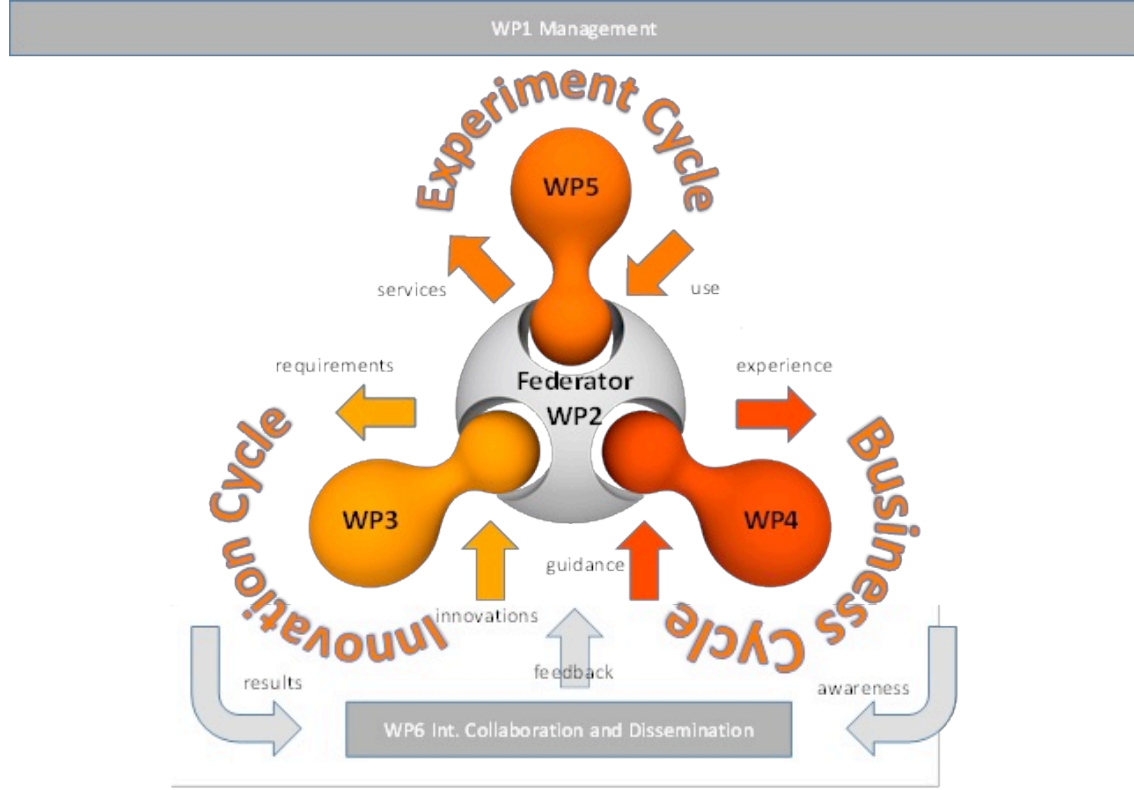




# Fed4FIRE+

## The project structure

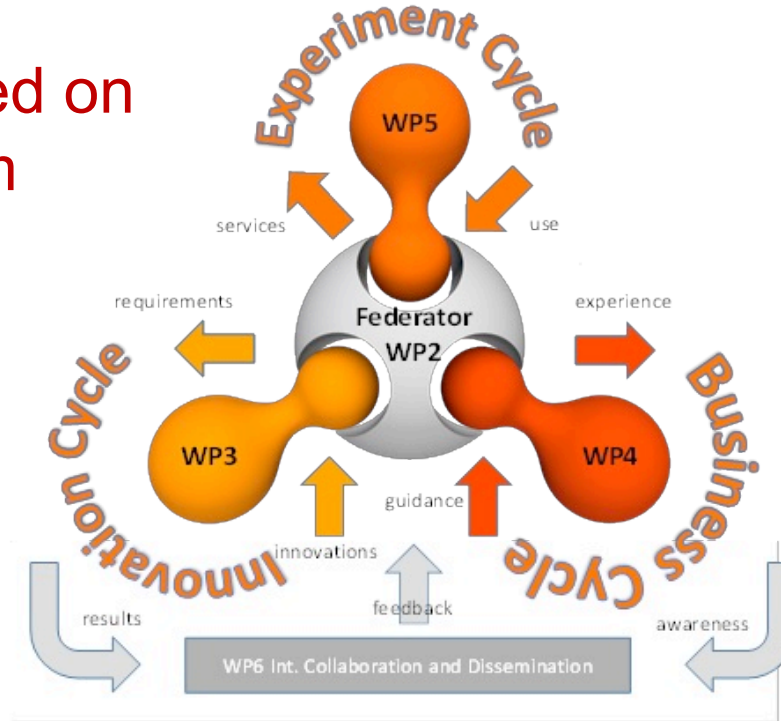
# Fed4FIRE+ - The structure



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WP1 Management

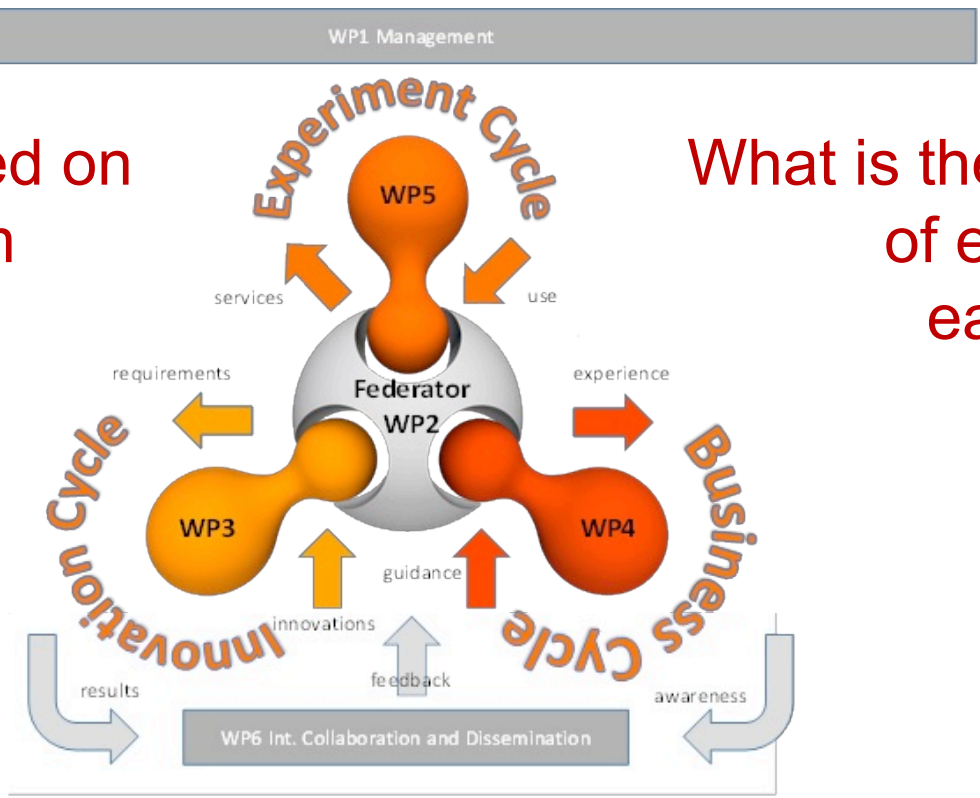
Structure defined on experience from Fed4FIRE ....



# Fed4FIRE+ - The structure

Structure defined on experience from Fed4FIRE ....

What is the relevance of each WP ??  
each Task ??





## FEC's Creating a community

# Fed4FIRE Engineering Conferences



- Bring testbed providers, users and developers together
  - Listen for demands
  - Demonstrate what can be done
- 10x in 5 year (2/3 days)
- Different locations → bring in locals
- Invite other projects



# FEC scheme

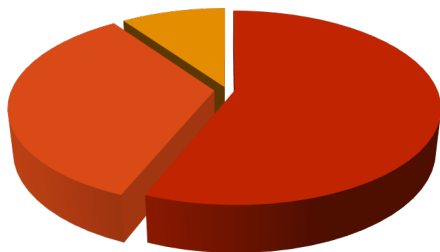
- FEC1: 14-17/03/2017 Gent, Belgium
- FEC2: 04-06/10/2017 Volos, Greece
- FEC3: 13-15/03/2018 Paris, France 5G
- **FEC4: 08-10/10/2018 Brugge, Belgium 5G & IoT**
- FEC5: 24-25/04/2019 Copenhagen, Denmark Advanced Networking
- FEC6: 15-17/10/2019 Athens, Greece Wireless
- **FEC7: 23-27/03/2020 Poznan, Poland Cloud & BigData**
- FEC8: October 2020
- FEC9: March 2021
- **FEC10: October 2021**



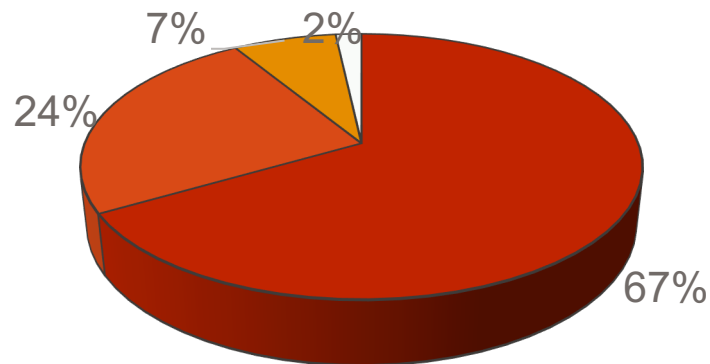


**Added value of the  
Federation**

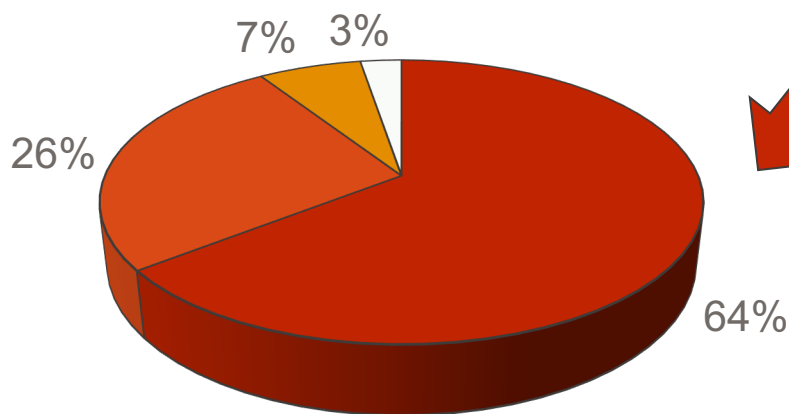
# Added value of Federation



- 1 Testbed
- 2 Testbeds
- 3 Testbeds



Use of multiple testbeds



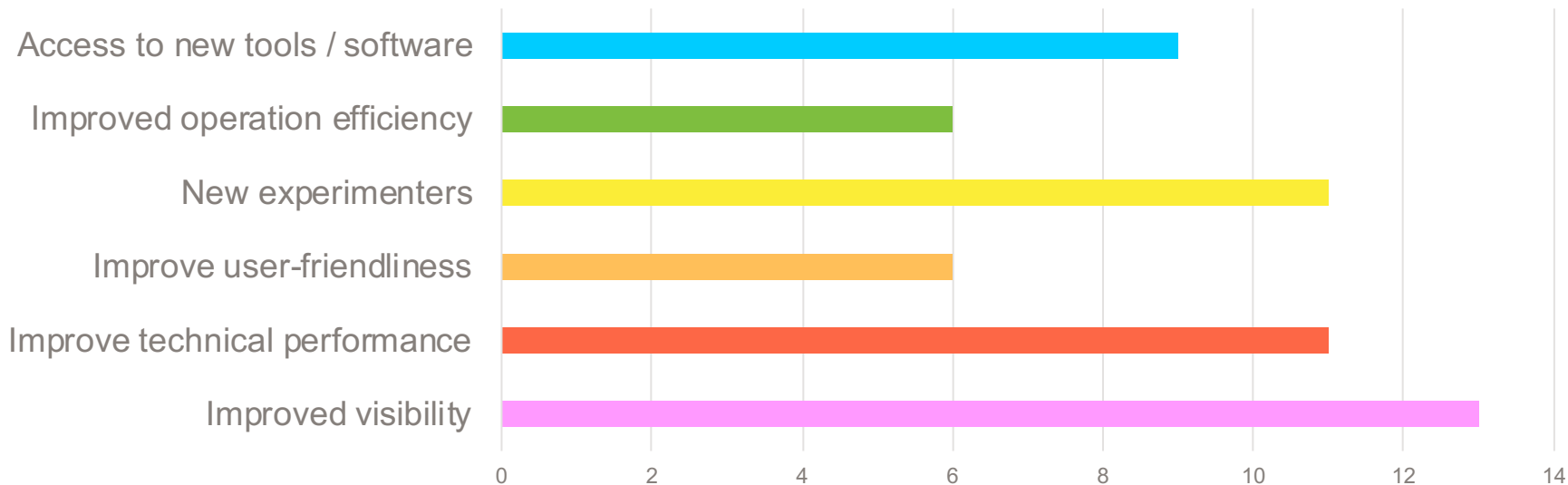


**Added value to  
Testbed providers**

# Added value to testbed operators



## What is the impact of Fed4FIRE+ on your Testbed?



We are half way ....



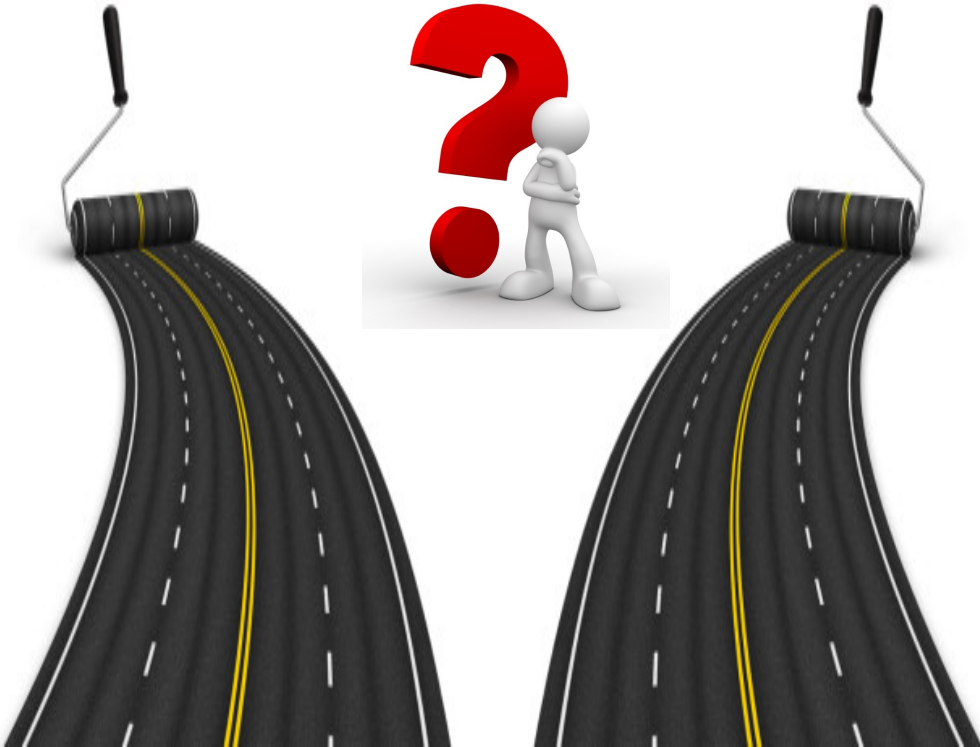
We did a good job ...

But we can do better ...



**Fed4FIRE+**  
**status**

But are we still on the right track?



**Fed4FIRE+**  
**status**

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