

# FabSpace 2.0: Stimulating Geodata-Driven Innovation

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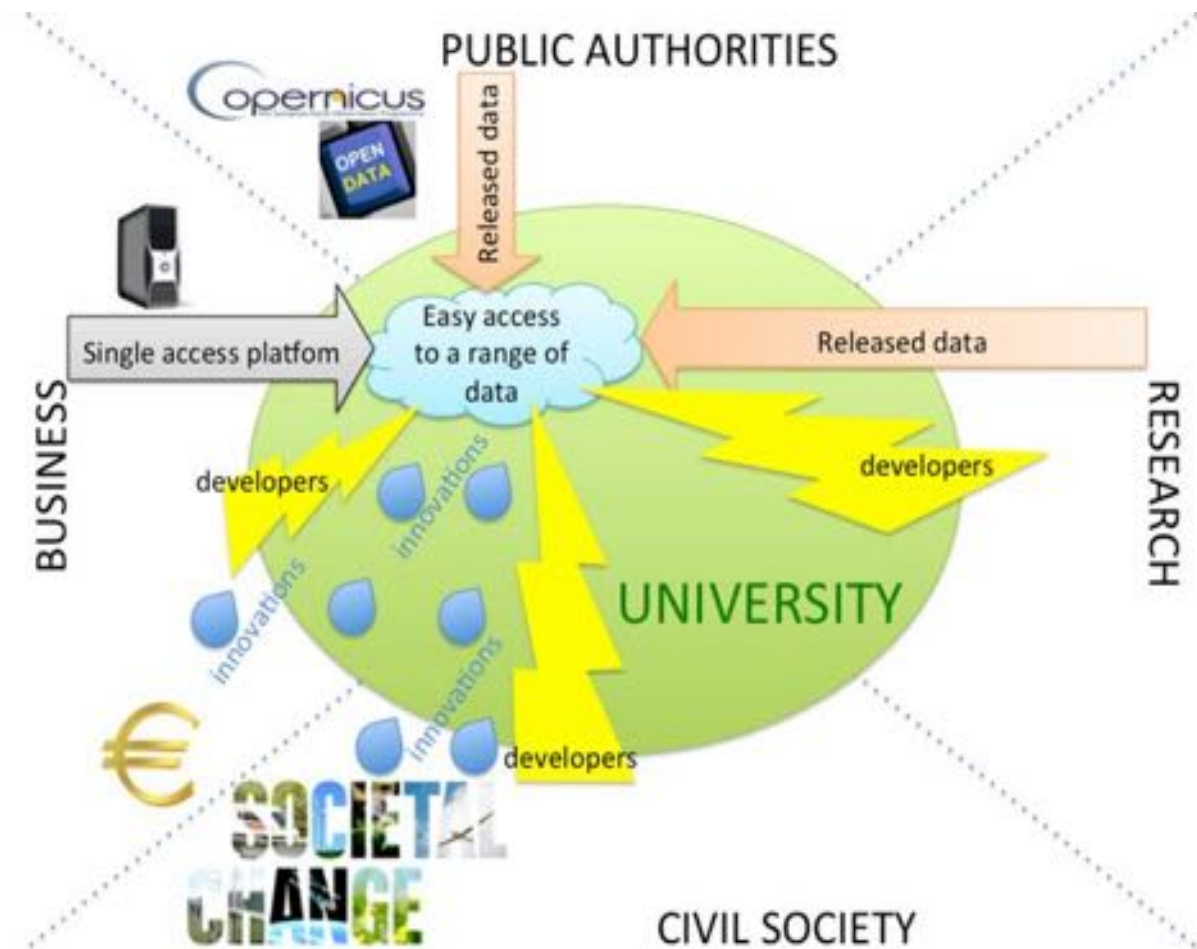
D. Soudris - Institute of Communications and Computer Systems, Greece



The Fablab for geodata-driven innovation - by leveraging Space data in particular, in Universities

## Overall Objective

Set up and operate at University a free-access place & service where students, researchers and external people can make use of a data platform and design and test their own applications



## Specific Objectives

- Train users to improve their capacity to process data and develop new applications
- Network users and consolidate their needs and industry requirements
- Foster the co-creation of new innovative solutions
- Support further business development
- Exploit, sustain and disseminate the FabSpace concept

First in Europe  
and worldwide



## Obtained by:

- ✓ A data management infrastructure (hardware & software)
- ✓ Daily technical support and online support to FabSpace users (Space Shop)
- ✓ Animation events (Challenges, Bootcamps, Hackathons)
- ✓ EO topics integration in all relevant training programmes, labs' research activities and any initiative led at Academic
- ✓ Entrepreneurship-oriented pilot actions & innovation leadership training programmes for researchers
- ✓ Networking and experience exchange among partners



## FabSpace 2.0 Team

Under the lead of Univ. Toulouse III - Paul Sabatier



The FabSpace 2.0 project received funding from the European Union's Horizon 2020 research and innovation programme under the grant agreement no. 693210



# FabSpace 2.0 New Teams !

## 14 New FabSpaces

Armenia,  
Cameron, Cyprus,  
Czech Republic,  
France, Italy,  
Lithuania, Spain,  
The Netherlands



# The FabSpace Shop



**FAB**  
SPACE 2.0

**FabSpace**

📍 Via del Politecnico, 1  
00133 Roma

**> ORARI E CONTATTI**

- lun-ven 10-18
- solo il primo sabato del mese 10-14

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(a)



(b)



(c)

The 6 Fabspace are continuously interconnected and share experience and material



(d)



(e)



(f)

*Images from each FabSpace platform: a) Belgium, b) France, c) Germany, d) Greece, e) Italy, f) Poland*





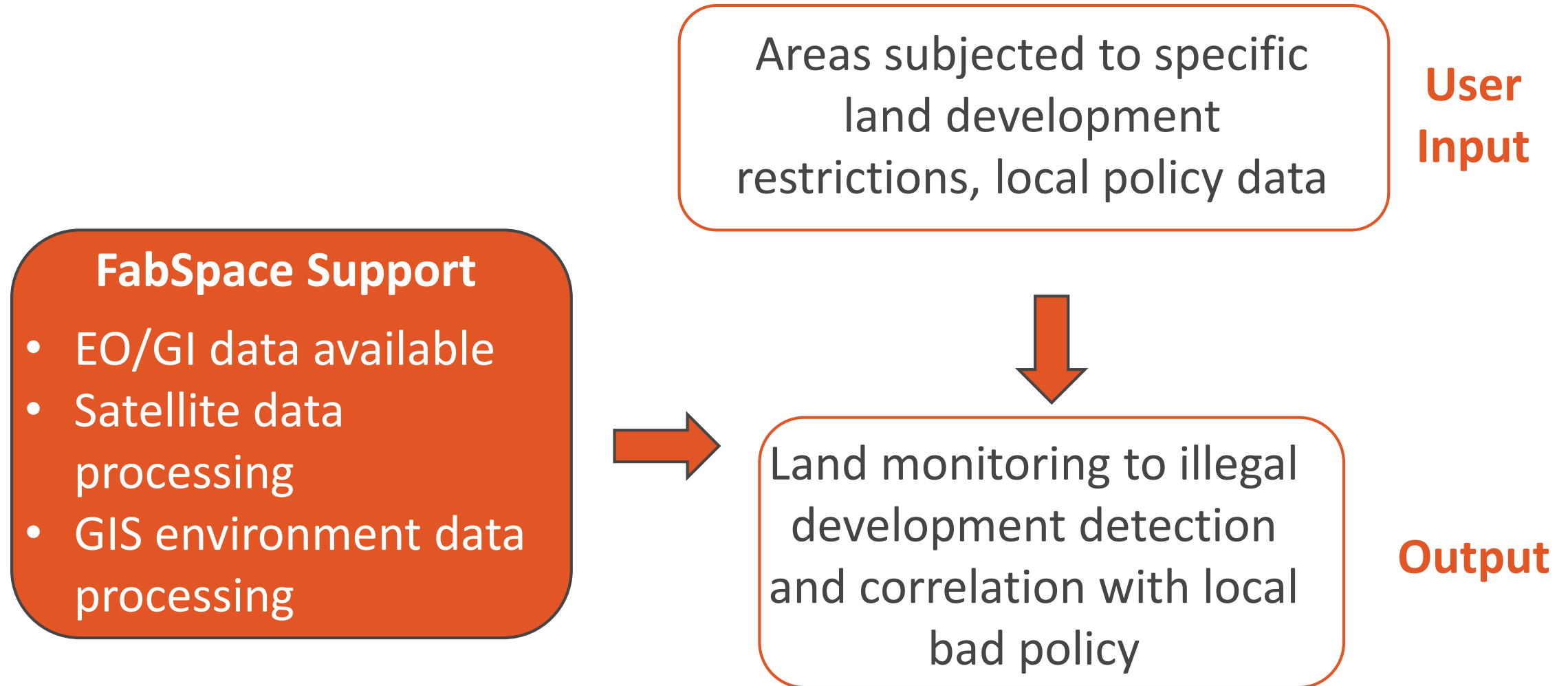
# Training Activities

Type of Actions	Tot No. of Actions	No. of students
1 - FabSpace lectures already held	30	680
2 - Include other courses in the technical or entrepreneurial domain	34	660
3 - Propose initiatives open to participants of all courses	13	1300
4 - Supporting individual students' projects	9	350



## Student Use Case

### *Master thesis in Economics and Finance*



# WP3 Innovation actions/events

KPI	Belgium	France	Germany	Greece	Italy	Poland	Total
Operational FabSpaces	1	1	1	1	1	1	6 (6)
FabSpace Visitors (once)	88	889	259	84	28	828	2176
FabSpace Users (twice or more)	44	169	348	57	489	145	1252 (1500)
Open Days organised	3	2	3	3	2	2	15 (18)
Local Innovation Events organised	1	5	10	2	5	3	26 (18)
European Innovation Events	1						1 (3)
Overall Winners at Local Inno Events	0	0	24	2	2	2	30 (18)
Overall Winners at the European Innovation Event	2						2 (3)
Bootcamps organised	1						1 (3)
Ideas generated	17	26	40	18	30	20	151(300)
Public Administrations participating	5	1	5	2	3	5	21 (12)
Stakeholders delivering challenges	4	13	10	3	3	17	50 (12)



## THE OPEN DAYS



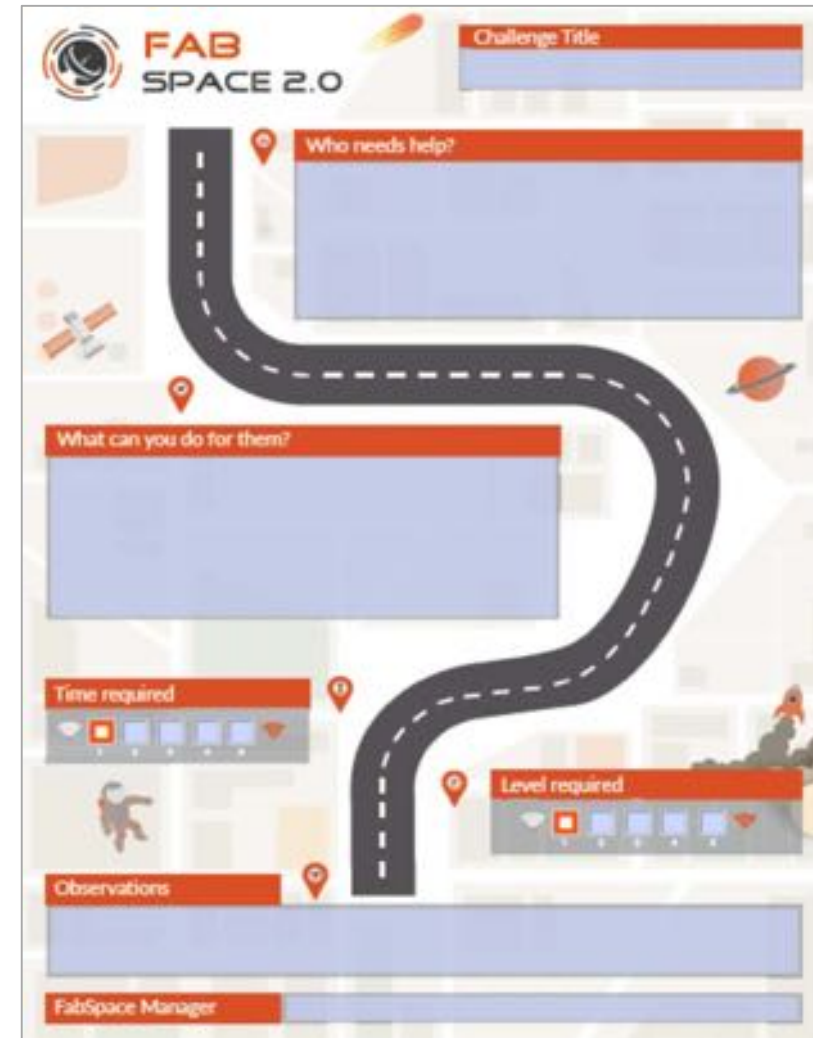
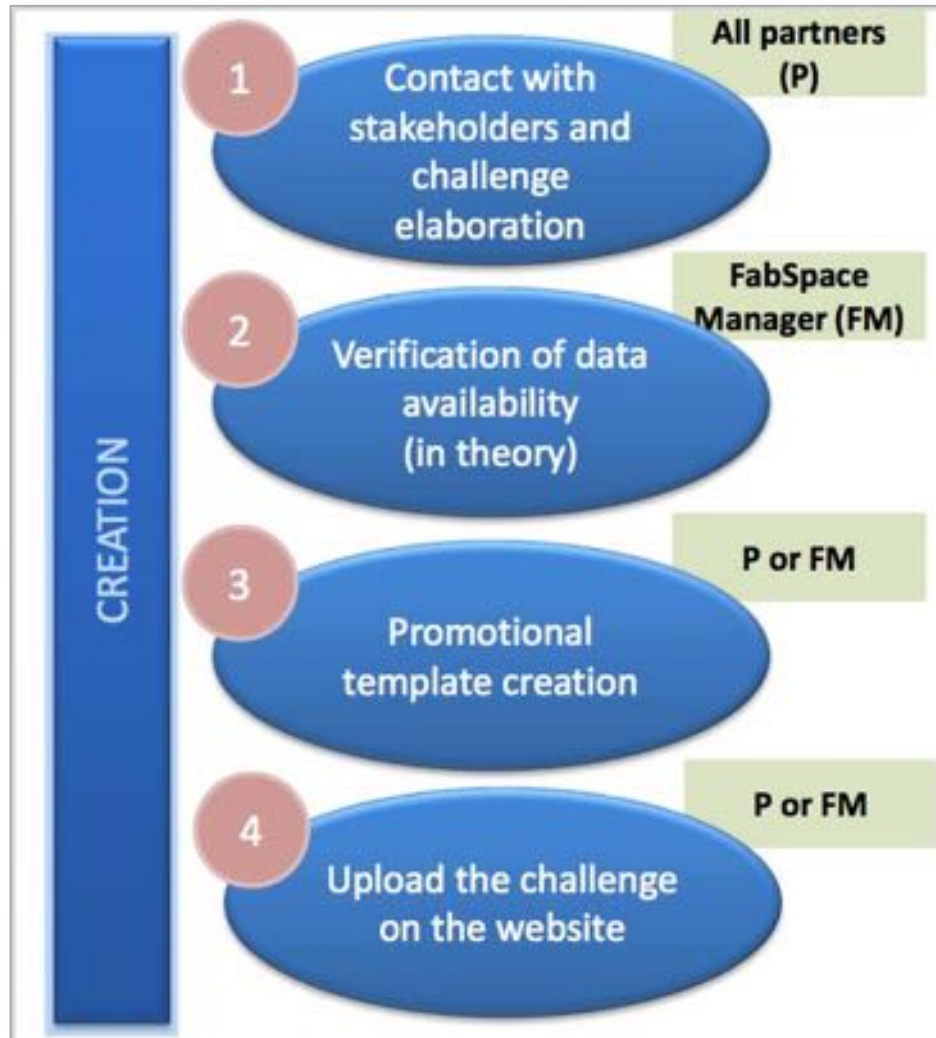
Open Day at University of “Tor Vergata” (Italy) –  
About 100 participants



Open Day at ICCS (Greece)  
About 80 participants

**AN INTERNATIONAL COMMUNITY OF NEW POTENTIAL USERS OF EO DATA HAS BEEN CREATED**





## Challenge description

Baobab (identifying fields of baobabs)

Shark (locate authorized areas and reduce the shark risk)

Geodesk (improve the safety of insured persons)

Develop participative mapping for archaeological and hydrogeological needs in semi-arid areas

Advances but simplified information, applications and tools for farmers

Vegetation and forest identification in semi-uirban and rursl areas

Heat maps

Nature inventory in the mountains

River monitoring system



- First Bootcamp: November 2017

Date   Time	Bootcamp Course	Instructor
<b>1<sup>st</sup> Bootcamp Week</b> 06-09.11.2017		
Monday, 06.11.2017 17:00-18:00 CET	Introduction to GIS	
Tuesday, 07.11.2017 17:00-18:00 CET	Business Model Design	
Wednesday, 08.11.2017 17:00-18:00 CET	Machine Learning Techniques	
Thursday, 09.11.2017 17:00-18:00 CET	Managing Intellectual Property	
<b>2<sup>nd</sup> Bootcamp Week</b> 13-17.11.2017		
Monday, 13.11.2017 17:00-18:00 CET	Project Management	
Tuesday, 14.11.2017 17:00-18:00 CET	Data analytics and Cloud Computing	
Wednesday, 15.11.2017 17:00-18:00 CET	Space Innovation Management	
Thursday, 16.11.2017 17:00-18:00 CET	Image Processing	
Friday, 17.11.2017 17:00-18:00 CET	Company Structure	
<b>3<sup>rd</sup> Bootcamp Week</b> 20-24.11.2017		
Monday, 20.11.2017 17:00-18:00 CET	Unlock your personal potential	Herbert Hansen
Tuesday, 21.11.2017 17:00-18:00 CET	Introduction to SAR Data	Fabio Del Frate
Wednesday, 22.11.2017 17:00-18:00 CET	Rapid prototyping of hardware/software accelerators	George Lentaris
Thursday, 23.11.2017 17:00-18:00 CET	Corporate Communications and Public Relations	Sascha Heising
Friday, 24.11.2017 17:00-18:00 CET	Lean Startup Management	Antonis Livieratos
<b>4<sup>th</sup> Bootcamp Week</b> 27-30.11.2017		
Monday, 27.11.2017 17:00-18:00 CET	Unlock your digital potential	Stefan Iffrim
Tuesday, 28.11.2017 17:00-18:00 CET	Technical Session on Earth observation	Prof. Matthias Becker Dr. Damian Bargiel Bayzidul Islam
Wednesday, 29.11.2017 17:00-18:00 CET	Improving Health using EO Data	Fabio Del Frate
Thursday, 30.11.2017 17:00-18:00 CET	Strategic Marketing	Roberto Giuliani

- Second Bootcamp: June 2018
- Third Bootcamp: beginning 2019



# Agenda

Friday 16th of November

09:00 - 10:30

James Cook

## $\Phi$ -Unet and FabSpace evolution

**9:00 – 9:15:** FabSpace 2.0: Presentation of achievements made during the projects and official launching of the international FabSpace Network

*By Josiane Mothe from University Paul Sabatier and Philippe Lattes from Aerospace Valley.*

**9:15 – 9h30:** Phi-Unet: Presentation of the Phi-Unet program and the upcoming plans with FabSpace

*By Isabella Federico responsible for the marketing and communication strategy of Phi-Unet.*

**9:30 – 10:20: FabSpace 3<sup>rd</sup> European Event** - Copernicus Hackathon winning



## WP4 Exploitation and Dissemination

### Sustainability

- Develop a FabSpace 2.0 **common business logic**
- Preparation of a **specific business plans** for each local FabSpace
- Prepare the **continuation** of the network

### Expansion

- Promote the **application results** and the **FabSpace 2.0** services;
- Expand FabSpaces 2.0 in **Europe** (14 new FabSpaces added)
- Launch a **worldwide** FabSpace 2.0 Network.





