



**SELSUSTAINED CROSS-BORDER CUSTOMIZED
CYBERPHYSICAL SYSTEM EXPERIMENTS
FOR CAPACITY BUILDING AMONG EUROPEAN STAKEHOLDERS**

SMART4ALL

An extensive network of Digital Innovation Hubs for boosting technology and business development in South, Eastern and Central Europe

Prof. Nikolaos Voros

University of Peloponnese

SMART4ALL Coordinator



Co-funded by the Horizon 2020 programme
of the European Union

DT-ICT-01-2019
Smart Anything Everywhere Area 2

www.smart4all-project.eu
Grant Agreement: 872614

SMART4ALL ID Card



Funded by the Horizon 2020
Framework Programme of the
European Union



DT-ICT-01-2019: *Smart Anything low energy computing Everywhere – Area 2: Customized powering CPS and the IoT*

Project information

SMART4ALL

Grant agreement ID: 872614

Status
Ongoing project

Start date End date
1 January 2020 **31 December 2023**

Funded under:
H2020-EU.2.1.1.

Overall budget:
€ 8 660 872,50

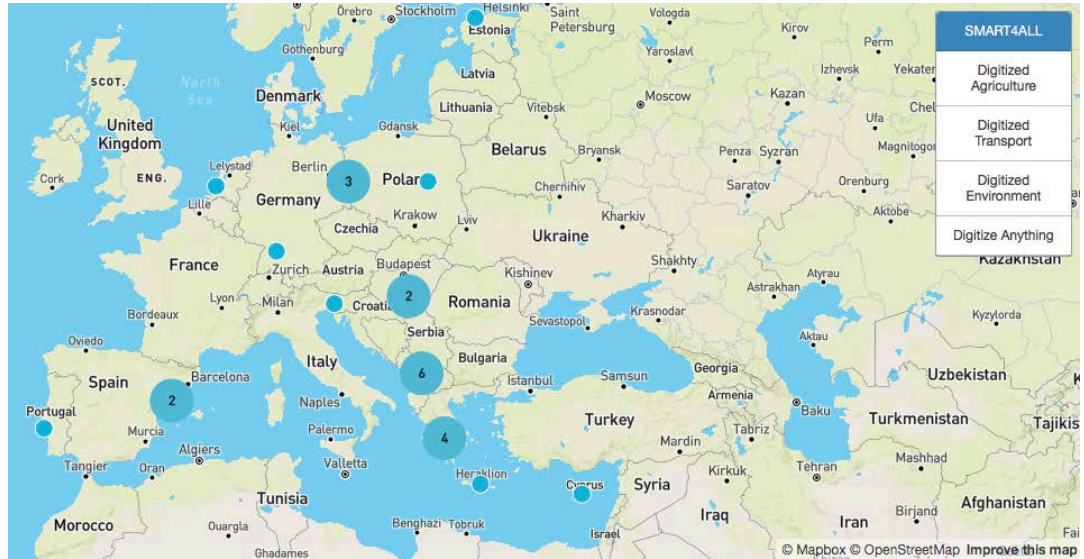
EU contribution
€ 7 997 647,50



Coordinated by:
UNIVERSITY OF PELOPONNESE
 Greece

SMART4ALL Consortium

- 25 partners originated from **South, Eastern & Central Europe**
- The consortium is composed of universities, research institutes, investors, networking organizations, SMEs, Innovation Hubs and NGOs



Diversity in Partners Expertise		Geographic Diversity (15 countries)	
Universities: 10	Research institutes (R&D): 3	Albania: 1	Montenegro: 1
Research institutes (BizDev): 1	SMEs (R&D): 6	North Macedonia: 2	Poland: 2
SMEs (BizDev): 2	Innovation Hubs: 1	Cyprus: 1	Portugal: 1
NGOs: 1		Estonia: 1	Serbia: 1
		Germany: 3	Slovenia: 1
		Greece: 5	Spain: 1
		Hungary: 1	The Netherlands: 1
		Kosovo: 2	

SMART4ALL Partners



University of Peloponese

Greece



German Aerospace Center

Germany



Brandenburg
University of Technology
Cottbus - Senftenberg

Brandenburg University of
Technology

Germany



Patras Science Park

Greece



Faculty of Technical
Sciences University of Novi
Sad

Serbia



AVN Innovative Technology
Solutions Limited

Cyprus



MECOnet d.o.o.

Montenegro



PRAXI Network

Greece



Sensing & Control
Systems
S.L.

Spain



Delft University of
Technology

The Netherlands



FundingBox
Accelerator

Poland



Metropolitan Tirana
University

Albania



Tallinn University of
Technology

Estonia



South East European
University

North Macedonia



Marseco

North Macedonia



University "Ukshin Hoti"
Prizren

Kosovo



Budapest University of
Technology and Economics

Hungary



Rezos Brands

Greece



FastTrack Ventures

Portugal



Leibniz Institute for
Agricultural Engineering and
Bioeconomy

Germany



DATAPROGNET SH.P.K.

Kosovo



Vocational Training Centre
MARGARITA

Greece



RED PITAYA D.D.

Slovenia



POZNAN UNIVERSITY OF
TECHNOLOGY - POZNAN

Poland



Universitat
POLITÈCNICA
DE VALÈNCIA

Polytechnic University of Valencia

Spain

www.smart4all-project.eu

6 July 2020

SMART4ALL Management Team



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Greece



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FASTTRACK Action

Portugal



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Vocational Training Centre
MARGARITA

Greece



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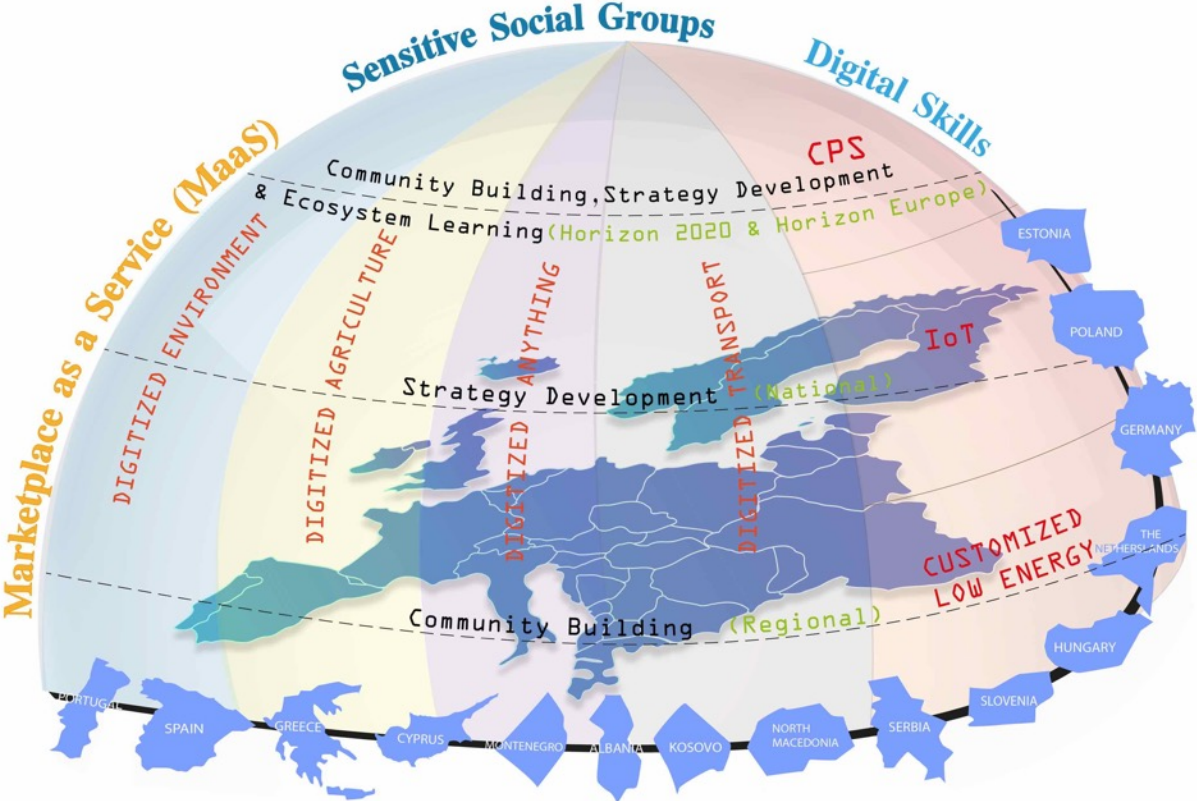
Greece



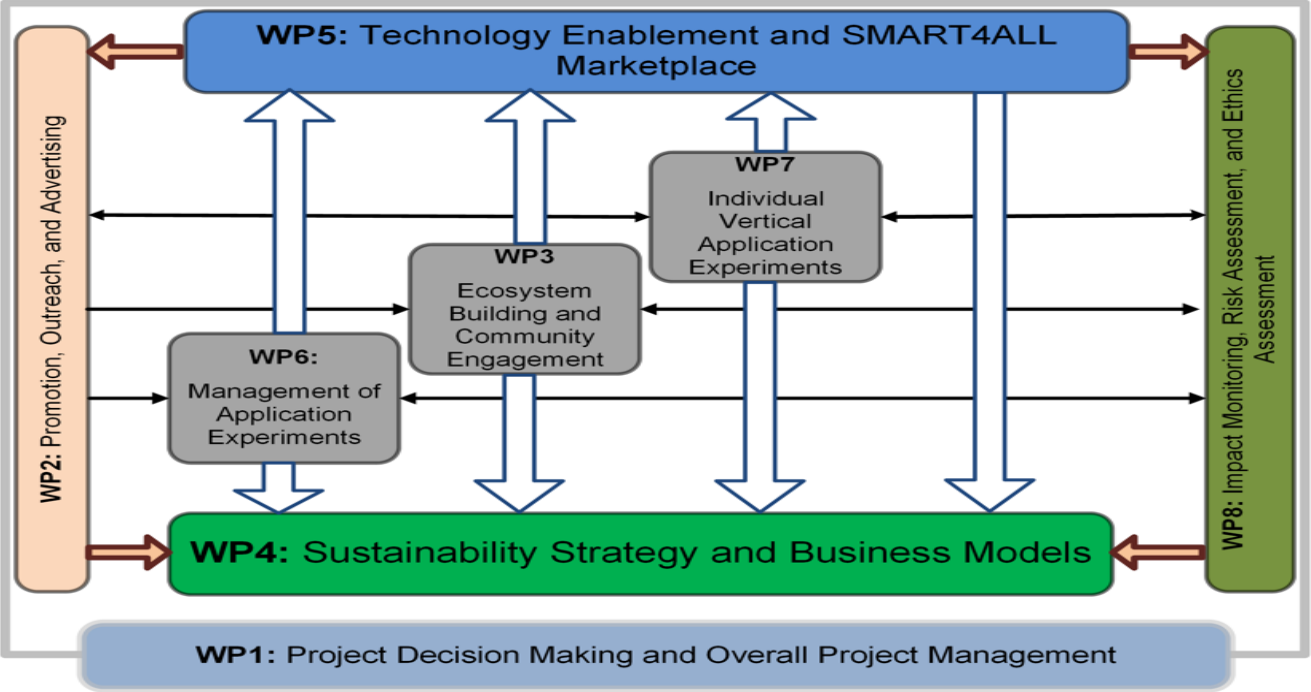
SMART4ALL in a Nutshell

- **Vision:** To build capacity amongst European stakeholders by joining different cultures, different policies, different geographical areas and different application domains
- **How:** Through the development of self-sustained, cross-border experiments that transfer knowledge and technology between *academia* and *industry*
- **Technological Areas:** Customized low energy computing (CLEC) & IoT
- **Application Areas:** Digitized Environment, Digitized Agriculture, Digitized Anything and Digitized Transport

SMART4ALL Vision



SMART4ALL Workpackages



SMART4ALL Task Forces

Digitized Transport Task Force (DTTF)	Digitized Agriculture Task Force (DAgTF)
Leader: DLR Members: TalTech, PUT	Leader: ATB Members: REZOS BRANDS, FTN
Digitized Environment Task Force (DETF)	Digitized Anything Task Force (DATF)
Leader: S&C Members: PSP, MTU	Leader: BME Members: UPZ, MARGARITA.VTC, UPV
SMEs Task Force (STF): SEEU (Leader), AVN, MAR, DPN, RP	

- The roles of Task Forces are to:
 - ✓ **Promote** the SMART4ALL vision in each thematic pillar
 - ✓ **Build** the SMART4ALL ecosystem
 - ✓ **Manage** the corresponding business generation activities
- **Overall:** to customize SMART4ALL activities and formulate the MaaS services to each thematic pillar
- **Role:** to provide feedback to the project from the start-up and SME point of view.

SMART4ALL Task Force Leaders



Umut Durak

Task Force Leader for Digitized
Transport

German Aerospace Center

Germany



Cornelia Weltzien

Task Force Leader for Digitized
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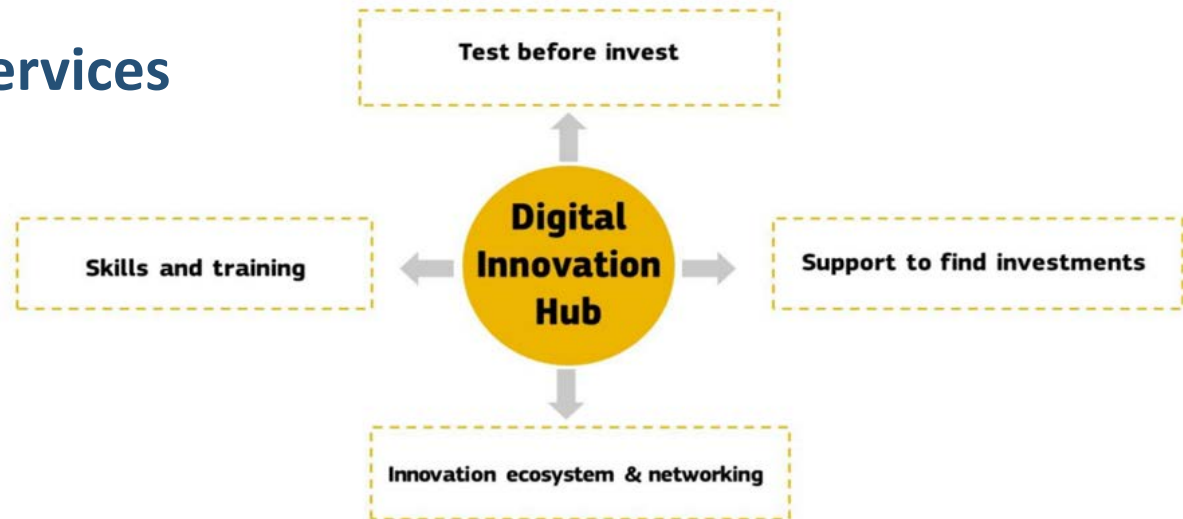
SMART4ALL Objectives

- Bring innovative Customized Low Energy Computing (CLEC) CPS and the IoT technologies to **underrepresented business sectors**
- Unlock South-Eastern parties' potentials through **links to investors** across value chains and regions in order to accelerate CLEC CPS/IoT solutions development and industrialization
- **Develop/offer novel tools** to boost the use of CLEC CPS and the IoT technologies Europewide
- To **ensure post-project sustainability and growth** of the SMART4ALL experiments & DIHs network
- To bring innovative CLEC CPS and the IoT technologies in the lives of **sensitive social groups**
- To support **Digital Skills & Jobs policy of European Commission**

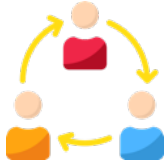
Introduction to DIHs

A **Digital Innovation Hub (DIH)** is a multi-partner cooperation between regional organizations with complementary experience and without a financial objective, offering a set of services to companies, especially SMEs (including Start-ups) to support their digital transformation through a one-stop shop

Examples of DIH Services



Introduction to DIHs



Ecosystem services: Facilitate the creation of networks that promote opportunities for cooperation between entities with common interests in the field of enabling technologies of digital transformation



Technological services: Promote the development and launch of new products or processes that take advantage of the opportunities offered by the enabling technologies of the digital industry



Business services: Support the capture of value from the use of technologies in the digital industry - Aspects such as the training of personnel, or support for new business initiatives that are framed in this area will be promoted

SMART4ALL An Extensive Network of DIHs

An extensive network of Digital Innovation Hubs for boosting technology and business development in South, Eastern and Central Europe

Ecosystem Services:

- Access to SMART4ALL network/ecosystem
- Identify funding opportunities
 - ✓ SMART4ALL Open Calls
 - ✓ Local and European funding frameworks
- Application oriented **ethics coaching**
- Interconnection with other networks/ecosystems



Business Services:

- Application oriented **coaching for business development**
- Partner search and business matchmaking
- Online training courses

Technological Services:

- Application oriented **technological coaching**
- Access to state-of-the-art infrastructures & services
- Technological matchmaking
- Online training courses

SMART4ALL Open Calls

SMART4ALL will identify **67 (External) Pathfinder Application Experiments (PAEs)** through **3 Types of Open Calls** with 3 deadlines each of them, addressing the prioritized verticals

- Digitized Transport
- Digitized Agriculture
- Digitized Environment
- Digitized Anything



SMART4ALL PAE Types

PAE

Pathfinder Application Experiments

KTEs

Knowledge Transfer Experiments

Funding: 8K Euros

Type: Internship

FTTEs

Focused Technology Transfer Experiments

Funding: 80K Euros

Type: Project

CTTEs

Cross-domain Technology Transfer Experiments

Funding: 80K Euros

Type: Project

- **Internal:** 21 FTTE (vertical) will be developed by SMART4ALL
- **External:** 67 KTEs/FTTEs/CTTEs will be developed via open call funding

Join now SMART4ALL Network !

Join now SMART4ALL Network in South, Eastern and Central Europe by:

- Subscribing to SMART4ALL newsletter:
<https://smart4all-project.eu/joinus>
- Using SMART4ALL matchmaking services:
<https://matchmaking.smart4all-project.eu>
- Applying to SMART4ALL Open Calls:
<https://smart4all-project.eu/opencalls-apply-now>
- Employing SMART4ALL marketplace:
<https://smart4all-project.eu/marketplace>



SMART4ALL Social Media

Follow SMART4ALL on:



<https://www.linkedin.com/groups/12369183>



https://twitter.com/Smart_4All

facebook

<https://www.facebook.com/SMART4ALL.Project>



<https://www.youtube.com/channel/UCwmSl9LCl2vNBO-3k75dvJA>

... and stay up to date for the latest SMART4ALL news, activities & funding opportunities !


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Thank you for your attention – Questions?

