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

SMART4ALL

3rd (CTTE) Webinar
MarketPlace & Services

Assistant Prof. Christos Antonopoulos

University of Peloponnese

SMART4ALL Technical Manager

In relation to Project Objectives

To ensure post-project sustainability and growth of the SMART4ALL experiments and DIHs network

- SMART4ALL MaaS facilitates brokerage of Pathfinder Application Experiments (PAEs)
- Mature service attracting customers in the post-project period.
- Provide the right tools
- Provide the right services
- Provide the right resources

The SMART4ALL Added Value Services

Post-project sustainability and growth

- Each SMART4ALL funded project will receive
  - Technical coaching services
  - Business coaching services
  - Ethics coaching services (if required)
- Assigned coach will offer support and guidance throughout the project based on specific plan defined between involved parties
  - Specific forms will be completed periodically and guidelines will be provided based on them by experts
  - Recommendations will be provided during and after the end of the project

SMART4ALL Infrastructure

SMART4ALL offers to the members of its network/ecosystem cloud computing services through state-of-the-art hardware & software infrastructure:

- Software-as-a-Service (SaaS)

- Hardware-as-a-Service (HaaS)

- Scalable architecture to meet work loads and provide 24/7 availability

- 24/7 support by technology experts

- High speed network interconnection with GRNET backbone

- Open source SW employed from virtualization to application layer

SMART4ALL infrastructure is hosted and maintained by

UNIVERSITY OF PELOPONNESE

ESDA
LAB
Embedded System
Design & Applications
Laboratory

SMART**4**ALL Infrastructure

ESDA Lab Data Center

8 Rack Mounted High Performance Servers
Total CPUs: **164**
Total Memory: **1.216 GBytes**
Type 1 Hypervisors: VMWARE ESXi / Proxmox
Virtualization Technologies

Storage Area Network (SAN) - Fibre Channel (FC @ 16 Gbps) Infrastructure
Capacity: **20 TBytes**

Next Generation Firewalls (HGFW) - Hardware / High Availability Cluster
Double hardware firewalls

Network Attached Storage (NAS @ 1 Gbps) Infrastructure
Capacity: **30 Tbytes**

Specialized High Performance Computing Nodes
FPGA and GPU Cluster Provision

The SMART4ALL Added Value Services

Project Management Tools Support & Maintenance

- Each SMART4ALL funded project will receive a dedicated Next Cloud based infrastructure offering user-friendly, configurable, extensible and open collaborative and project management tools

  - File repository

  - Collaborative tools

  - Calendar

  - Task management tools

  - Reporting tools

  - Any more…

- SMART4ALL consortium will offer technical support, monitoring and maintenance to these tools

SMART**4**ALL Tools – Matchmaking Service
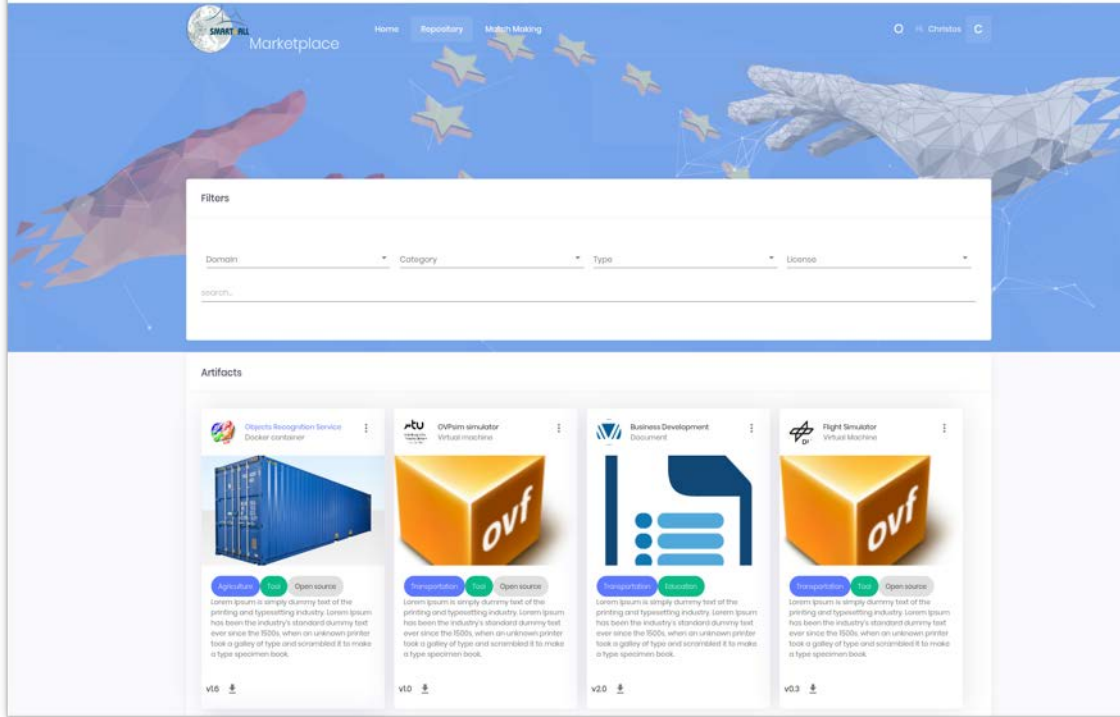
https://matchmaking.smart4all-project.eu

- Assistance to find the right partner and form competitive consortia

- v1: Leverage SMART4ALL Partners ecosystems

- v2: + exploit automatic search through the SMART4ALL network comprised by more than 250members (available from 2/12/2020)

- v3: + Integrate AI techniques to optimize matchmaking and minimize delays

SMART4ALL Marketplace

Marketplace as a Service Concept is one the cornerstones/flagships of Smart4ALL

- **What is it ?** A novel one-stop-smart-shop for experts and non-expert third parties seeking (open-source mainly) ICT technologies

- **What is its main target ?** reduce the development time of an startup /SME/mid-cap that is doing business in one of the four SMART4ALL thematic areas

- **Unique selling point:** AI based match-making and collaboration activities will be hosted in the MaaS

The MarketPlace SW infrastructure

https://marketplace.smart4all-project.eu

Marketplace follows the **microservices** paradigm where all the functionality is given as a set of **loosely coupled services powered by containerization technology**

MaaS includes:

- Open and proprietary cloud services

- Open and proprietary computing and communication platforms

- Open-source tools and middleware frameworks

- Open-source design tools Training (model-based) open course

SMART4ALL Tools – Project Website

https://www.smart4all-project.eu

- **Project news**
- **Access to SMART4ALL services**
- **Access to SMART4ALL Network in SEE**
- **Open call announcement**
- **Apply for SMART4ALL Open Calls**

First Open Call for Knowledge Transfer Experiments - Submission Countdown

42	04	09	15
Days	Hours	Minutes	Seconds

SMART4ALL Social Media

Follow SMART4ALL on:

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

https://twitter.com/Smart_4All

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

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

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

Thank you for your attention – Questions?