

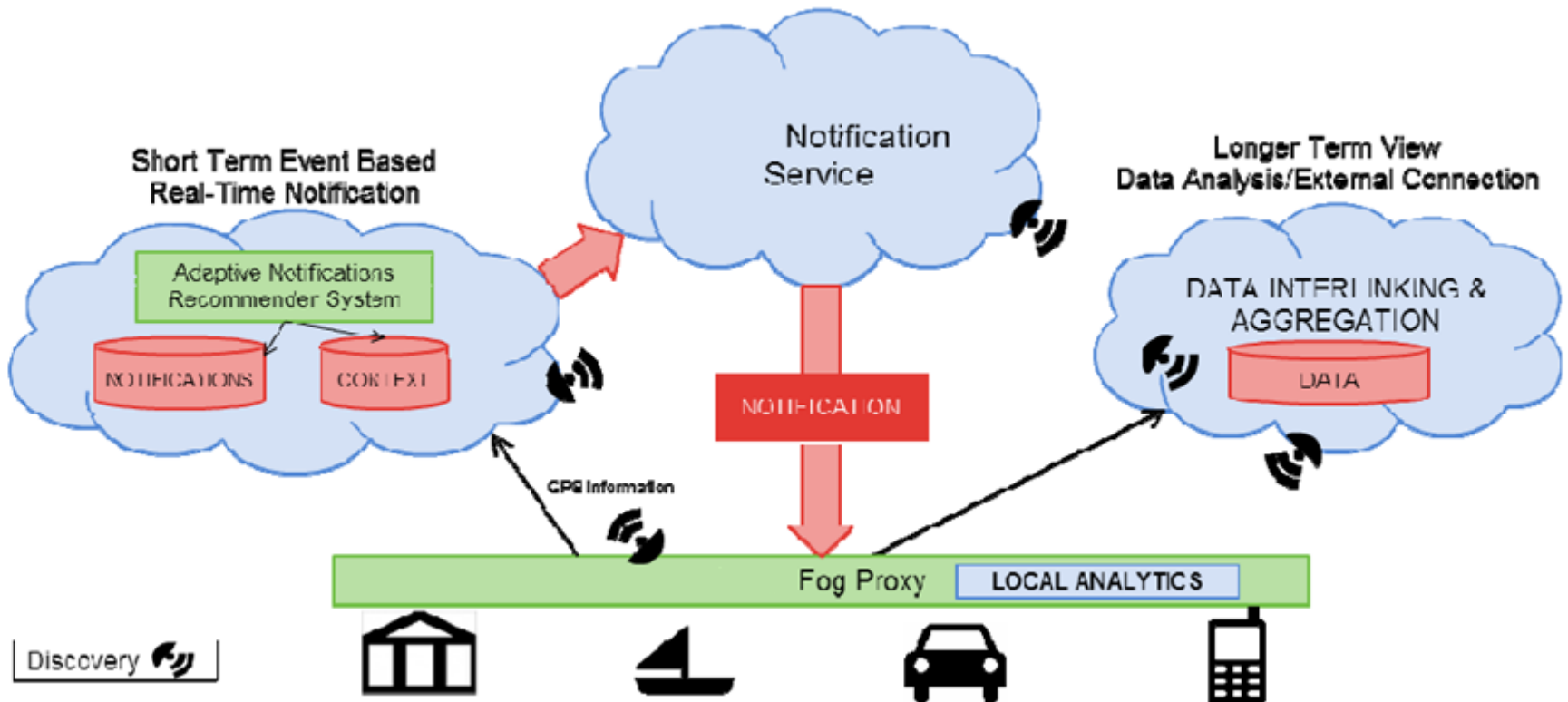
Platform, Services and Tools for Dynamic Data Linking, Processing and Management

Daniel POP

Institute e-Austria Timisoara

Why?

We believe in a seamless integration of different sensor networks and devices with cloud environments.



Where does it fit?



European
Commission

RESEARCH & INNOVATION

Horizon 2020

[European Commission](#) > [Research & Innovation](#) > [Horizon 2020](#) > [Home](#)

[Home](#) | [What is Horizon 2020?](#) | [What's in Horizon 2020 for me?](#) | [Why Horizon 2020?](#) | [What's next?](#) | [What's your view?](#) | [Press corner](#)



Before Horizon
2020 launch

What is Horizon 2020?

- The EU Framework Programme for Research and Innovation
- Official documents
- Questions & Answers

What's in Horizon 2020 for me?

- Excellent Science
- Competitive Industries
- Tackling Societal Challenges

Why Horizon 2020?

- Europe 2020
- Public consultation
- Successful EU research

What's next?

- A time line for Horizon 2020
- Calendar of events
- Experts for Advisory Groups

What's your view?

- Video testimonials



Jason Dunn

Press corner

- Press materials
- Country profiles and featured projects
- Videos by theme

How does it answer the call?

Information and Communication Technologies (ICT)

i) A new generation of components and systems

ICT 1 (2014): SmartCyber - Physical Systems

ICT 2 (2014): Smart System Integration

...

iii) Future Internet

ICT 6 (2014): Smart optical and wireless network technologies

ICT 7 (2014): Advanced Cloud infrastructures and services

“Cloud computing research will be oriented towards **new computational and data management models** (at both infrastructure and services levels) that respond to the advent of faster and more efficient machines, **rising heterogeneity of access modes and devices**, demand for low energy solutions, widespread use of big data, **federated clouds** and secure multi-actor environments including public administrations.”

What?

The PaaS solution consists of the following set of lightweight Web based tools:

1. Device/Fog Proxy
2. Discovery Service
3. Cloud Data Service
4. General Notification Service
5. Adaptive Notifications Recommender System
6. Execution Service
7. Monitoring Service
8. Agile Deployment
9. Security Context

How?

- Reusing previous proposal submitted to FP7-ICT-Call 10
 - Eligible for financing, but hold on **Reserve list**
 - Finally, not financed
 - 3 Academia + 2 SME + 1 Large
- Current experience in Platform-as-a-Service developed in mOSAIC, ModaClouds or SPECS FP7-financed projects

What are we looking for?

- SME / Large companies able to propose new use-cases in order to broaden the applicability of the proposed platform and tools

“Provide Union wide support for innovation in SMEs.”

Thank you

Institute e-Austria Timisoara

Bldv. Vasile Parvan, nr. 4, room 045B

RO-300223 Timisoara

Phone/Fax: 00 40 256 244834

E-mail: petcu@info.uvt.ro,

danielpop@info.uvt.ro

Addressing

LEIT

ICT – 7 Advanced Cloud infra & services

Direction 3: Cloud security:

b: “Tools and techniques to increase trust, security and transparency of cloud infrastructures and services”

Main Goals

- Business Process Management as a Service:
 - Ensure integrity, confidentiality, reliability, and policy compliance for it
- Develop the tools, methodologies and infrastructure for multi-cloud environments:
 - to allow SME's to leverage the advantages of cloud for their business processes, without compromising vital security aspects

Current status of the proposal

- Initiated together with U. Wien (sci. leader)
- Selected 'large project'
- Current partners:
 - 4 universities
 - 1 Cloud provider
 - 2 software companies (1 will be the coordinator)
- In search for use cases providers
 - proof-of-concept appls
- Negotiation with a standardization body