
In a few words...

UMOBILE combines two emerging architectural approaches, namely Information-centric networking and Delay-tolerant networking, to build a novel architecture that allows for new services but also exploits local information better. UMOBILE will deploy scenarios that include free Internet access, micro-blogging at neighborhood level, emergency situations in isolated but also in crowded areas with temporary lack of communication facilities.

The project is a joint effort of SPICE/Democritus University of Thrace (Greece), University College London (UK), University of Cambridge (UK), COPELABS--COFAC (Portugal), TECNALIA (Spain), TEKEVER AU (Portugal), Senception (Portugal), Fon Technology (Spain) and AFA Systems (Italy).

UMOBILE, to be delivered in 2018, is coordinated by SPICE/DUTH and its total budget is 3,010,742 €.



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Contact information

Space Internetworking Center
Democritus University of Thrace
Department of Electrical and
Computer Engineering
University Campus, Building A
Xanthi
67100
Xanthi, Greece

Telephone: +30.25.41.07.95.53

Fax: +30.25.41.07.95.54

Website: www.umobile-project.eu

E-mail: contact@spice-center.org



UMOBILE

Universal, mobile-centric, and opportunistic communications architecture

*Extending Internet geographically,
functionally, and socially*

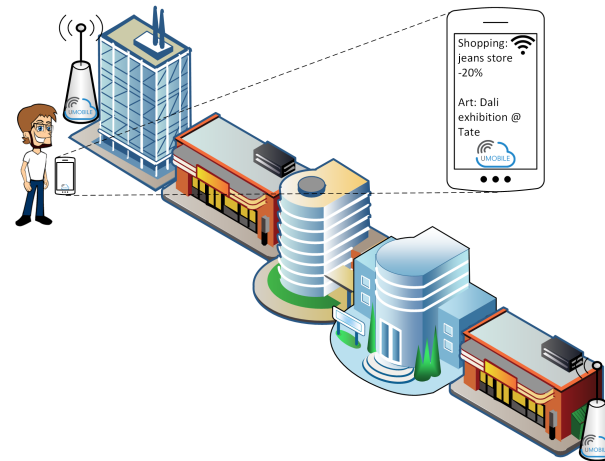


Project Objectives

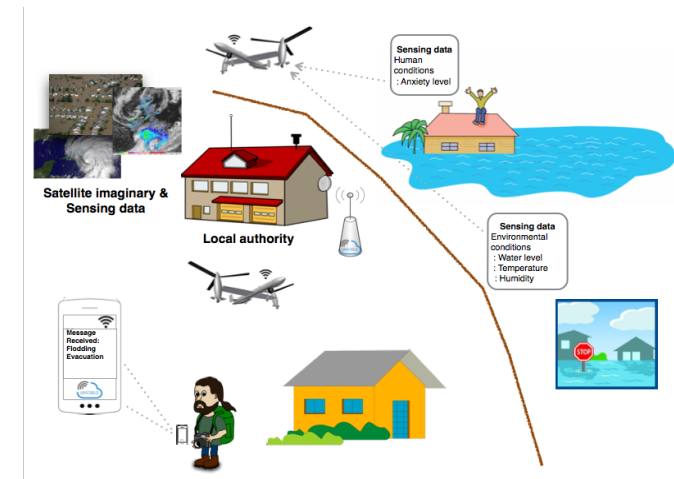
- To develop a consolidated information-centric and delay-tolerant communication platform
- To extend the boundaries of Future Internet
- To enable a tighter integration of opportunistic communications within the Internet
- To drive new applications and services
- To drive the Internet towards a communication platform for universal coverage
- To create an engagement platform that will bring together stakeholders with interests in universal coverage

Use cases

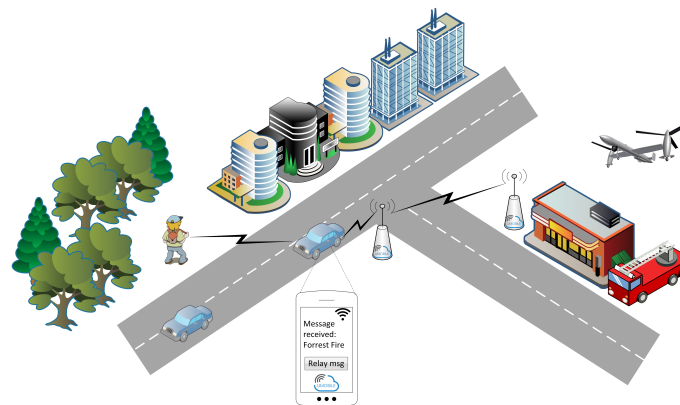
Micro-blogging



Civil protection



Emergency message dissemination



Social routine improvement

