

GOVERNMENTS ENABLED WITH IPv6

Project Overview
Jordi Palet, Consulintel
jordi.palet@consulintel.es

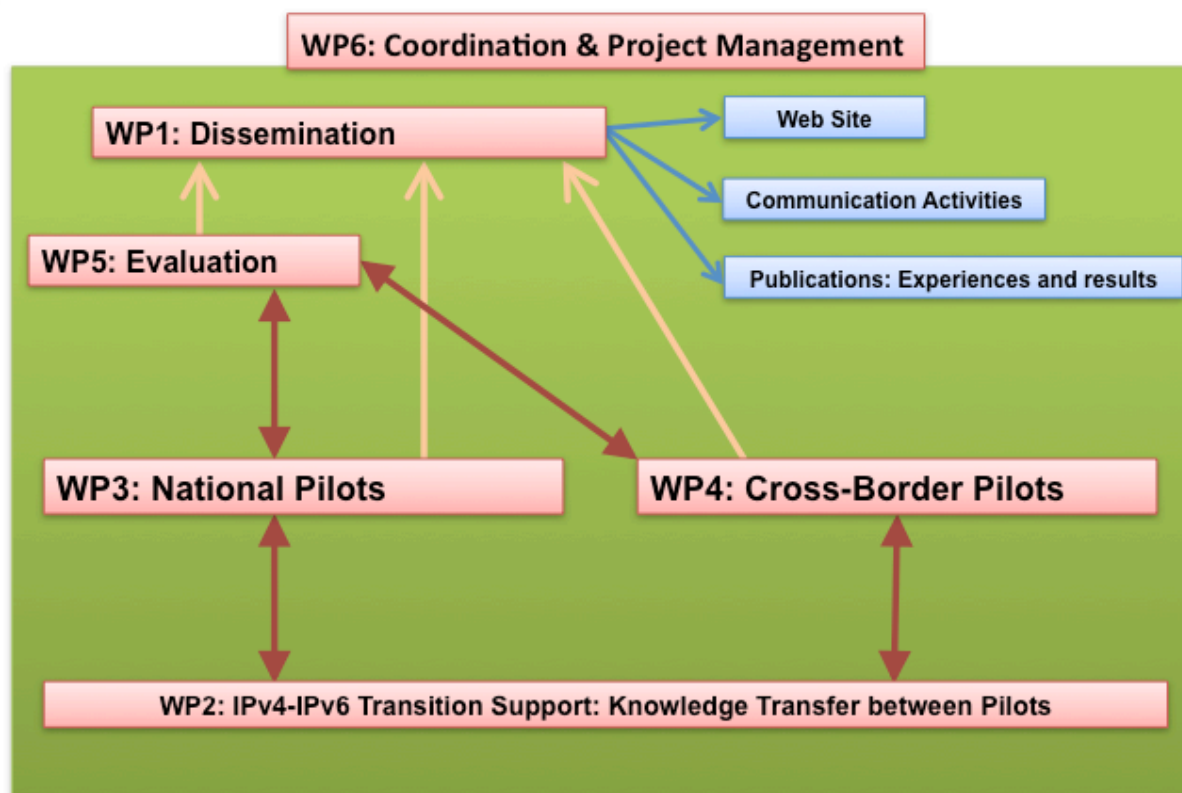


- **ICT PSP call 2011**
 - Pilot Type B
 - Objective: 4.3 Piloting IPv6 upgrade for eGovernment services in Europe
- **6.000.000 Euros, 50% funding**

Partners



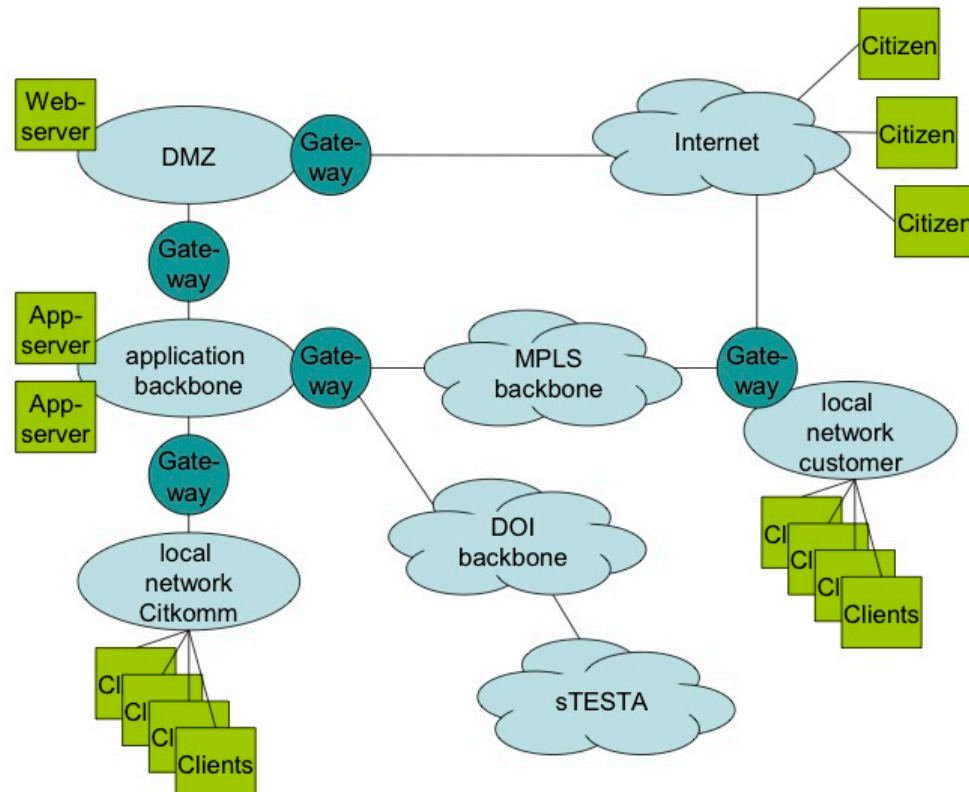
- **Germany:** Devoteam, Fraunhofer, Citkomm
- **Spain:** Consulintel, UMU, MPTYAP, MITYC
- **Turkey:** Tubitak Ulakbim, TURKSAT
- **Luxembourg:** UL
- **Slovenia:** ULFE
- **Netherlands:** TNO, Gemeente Alkmaar
- **Czech Republic:** MVČR, MoIT, CZNIC
- **Greece:** GRNET, CTI
- **Cyprus:** INTELEN



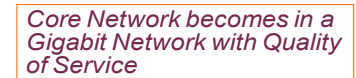
- **Communication activities and road shows to ensure the dissemination in public administrations and other relevant stakeholders (targeted to experts and public authorities).**
- **Event organized in Brussels together with the EC**
- **Book with the project results.**
- **Publications, Internet presence (web service, Facebook, twitter) and presentations with special focus on eGovernment events, as well as clustering activities.**

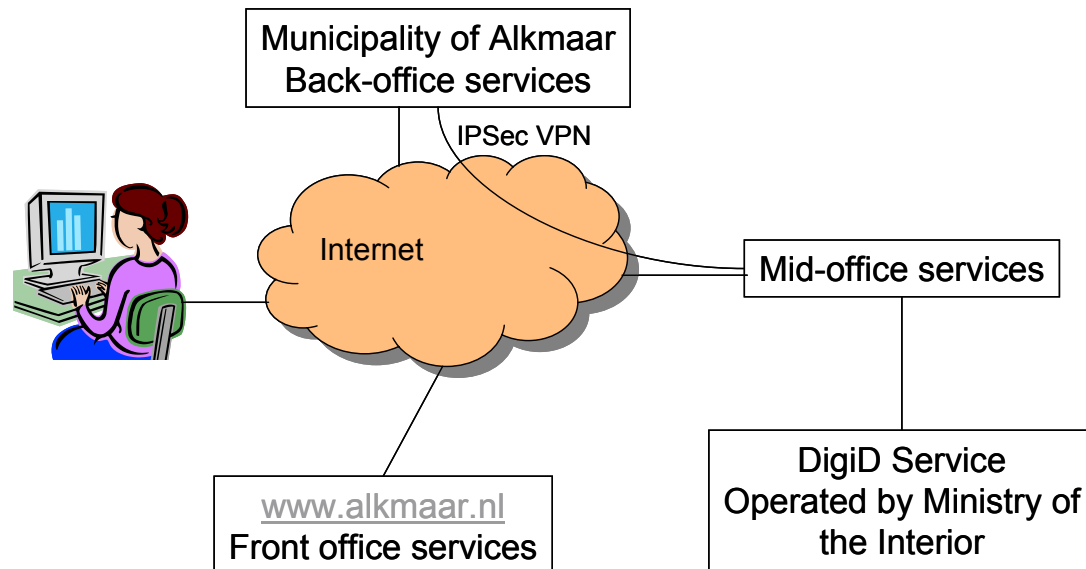
- **GEN6 will provide general guidelines for planning and transition steps.**
 - IPv6 networks topologies and addressing types
 - IPv6 addressing technologies and addressing plans for Governments
 - IPv6 transition technologies and support
 - IPv6 deployment support
 - Development of an European IPv6 profile for public administration
- **The outcome of the national pilots will contribute to these guidelines and will provide additional documentation based on transition experience in the fields of:**
 - network equipment (switches, router, firewalls, load balancers, ...)
 - network provider access points (CPE, fiber, xDSL, ...)
 - middleware and technologies like webserver, portals, databases
- **Besides the technical documentation, the national pilots will document their efforts and costs for the transition and estimate possible benefits from the IPv6 upgrade.**

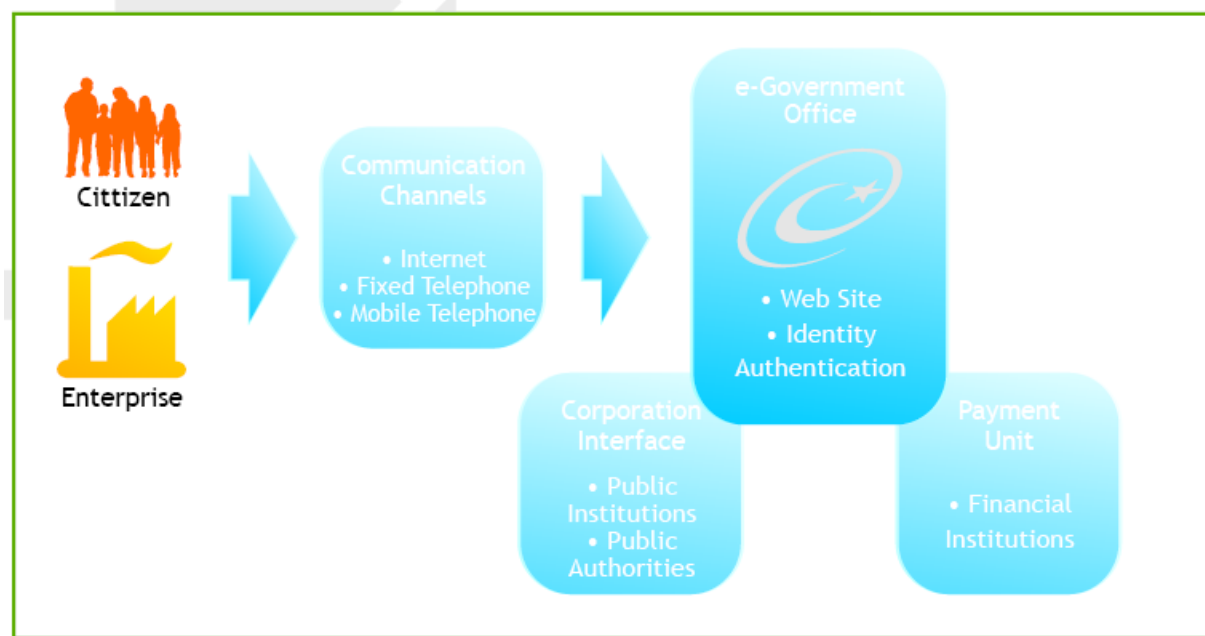
- **4 different national pilots, some of them replicated in a complementary way in different countries, considering different existing approaches with IPv4:**
 - IPv6 upgrade of eGovernment Network Infrastructures, e-Identification, Services and Applications (Germany, Spain, Netherlands and Turkey).
 - IPv6 upgrade of Secure Cloud Services (Luxembourg).
 - IPv6 upgrade of Energy Efficiency in School Networks (Greece).
 - IPv6 upgrade of Emergency Response Environments (Slovenia).
- **Replicating many aspects of the pilots across different existing infrastructures in different countries, that have different approaches, allows more alternatives to be tested in real scenarios, providing a broader view for the replication of the project results across Europe, while actually the project approach reduces the cost, because of the parallel learning and knowledge exchange among partners, and maximizes the impact of the resources involved in the project.**

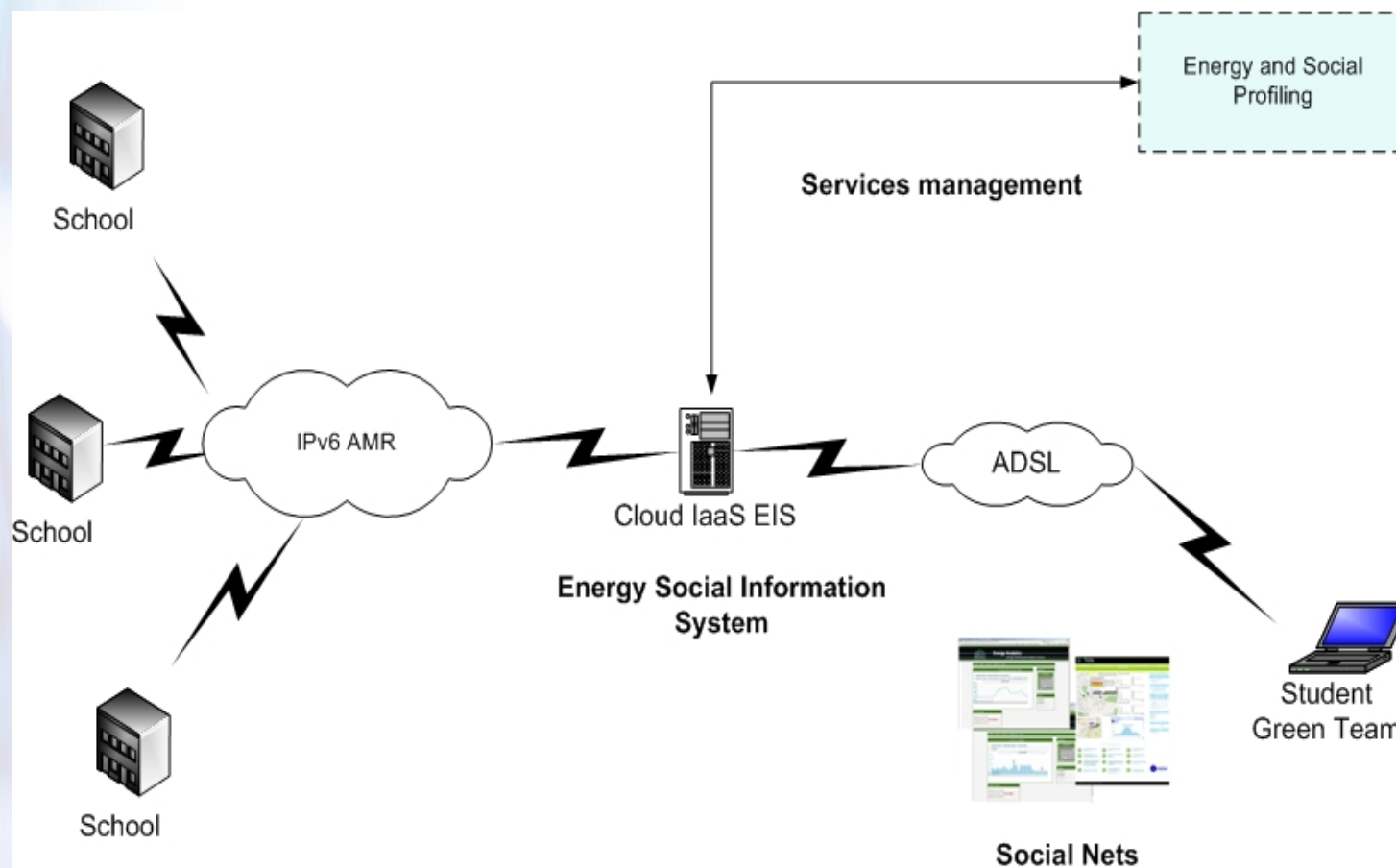


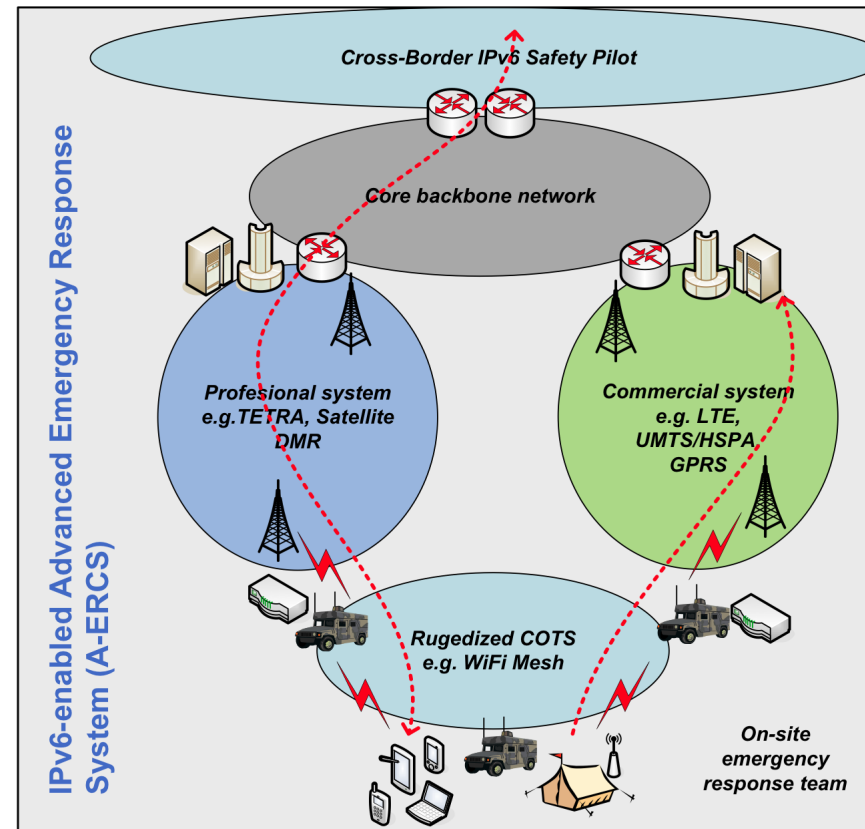
Core Network Sites with dual network access





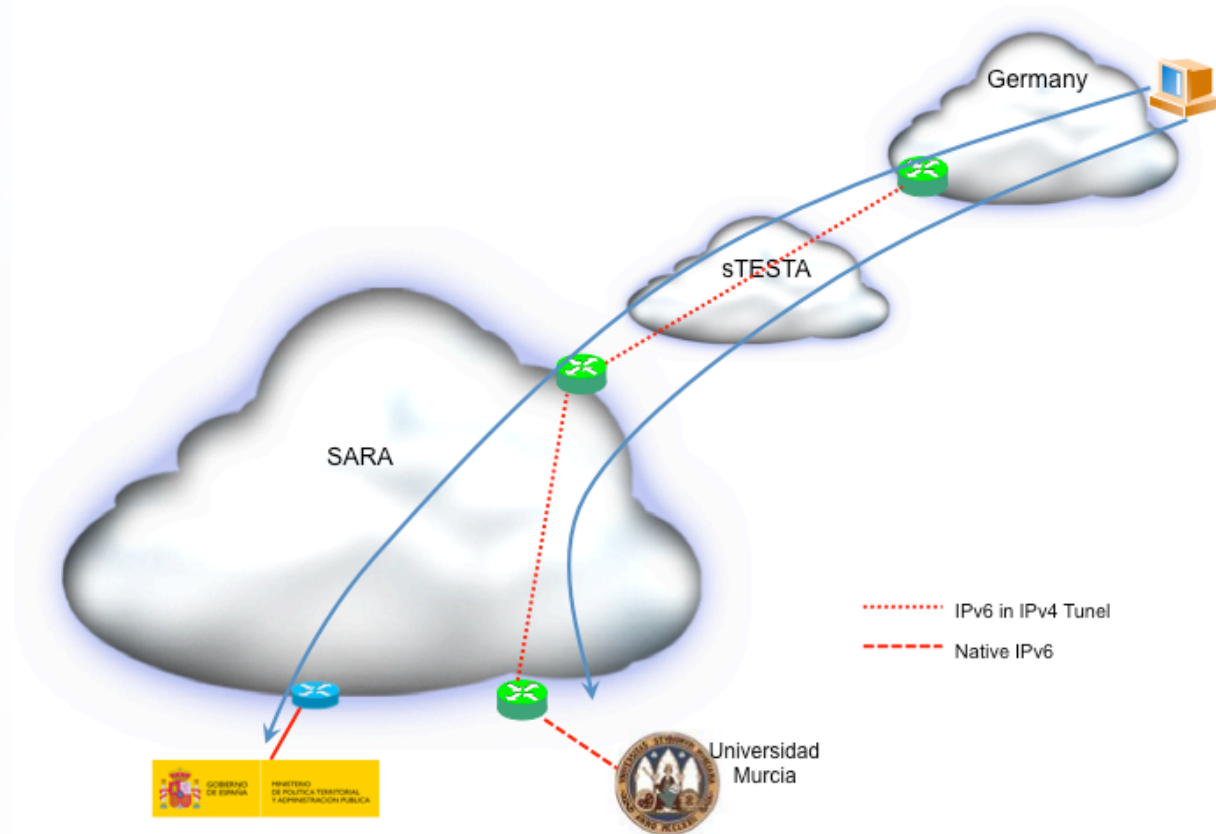




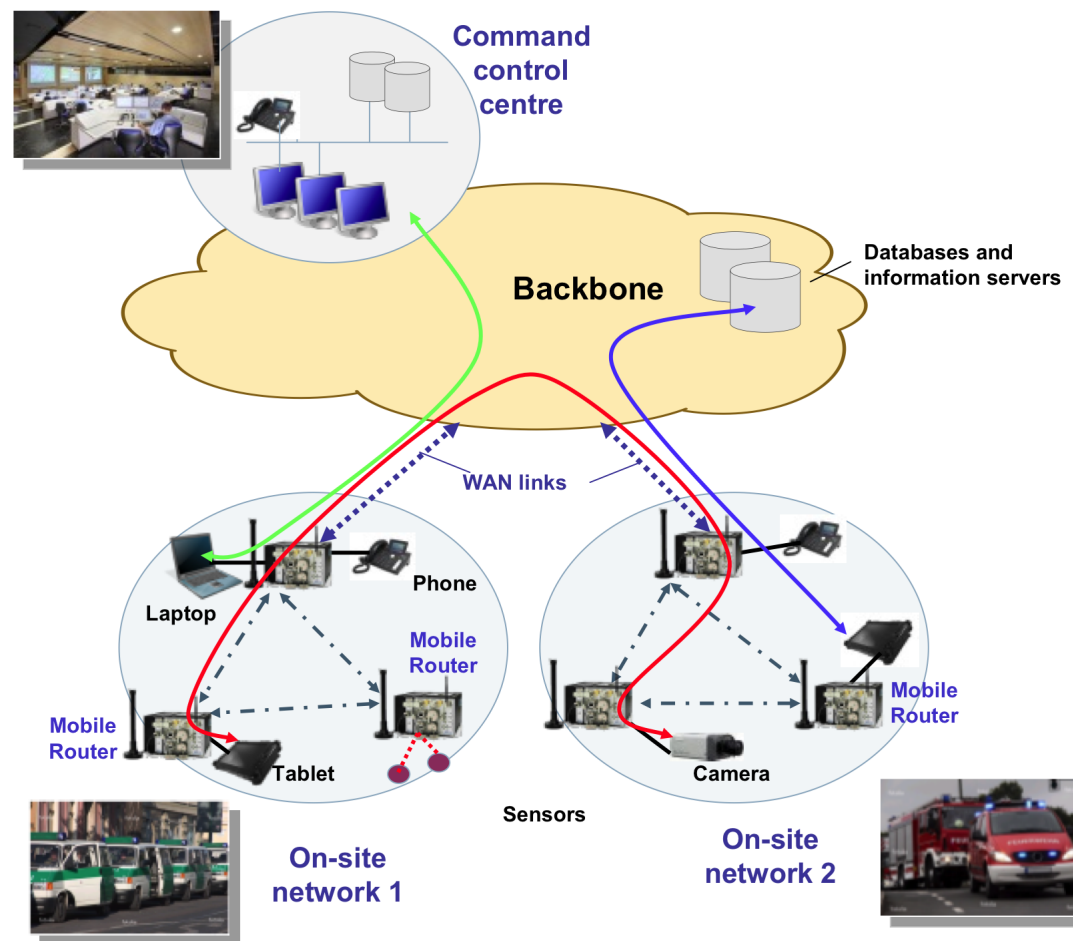


- **Interconnection of national government backbones and European networks like sTESTA, in order to ensure a wider IPv6 readiness and interoperability for European cross-border services.**
- **Public Safety Networks exploiting the greater benefits brought in to this critical sector by IPv6 features (such as “on the fly networking”).**

Cross-Border Public Safety



Cross-Border Public Safety



- **Every national and cross-border pilot has a detailed project plan with a breakdown of activities.**
- **A specific Work Package takes care of the evaluation and monitoring of each of the pilots.**

- Many governments in the project are “IPv6-ready” (Spain, Germany, Netherlands, Turkey, Slovenia, Luxembourg, Check Republic).
- The work is to continue the deployment and mainly take advantage of new IPv6 features for eGovernment.