A Project Introduction

Uwe Holzmann-Kaiser

Technical Manager

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GEN6

cip competitiveness and innovation framework programme 2007-2013

ICTPSP

Project Data

- ICT PSP call 2011
  - Pilot Type B
  - ***Theme 4: ICT for Innovative government and public services***
    4.3: Piloting IPv6 upgrade for eGovernment services in Europe
  - From 2012-01-01 to 2014-06-30
  - Funded by

European Commission

Information Society and Media Directorate General Unit F4 – New Infrastructure Paradigms and Experimental Facilities

IPv6:

http://www.gen6.eu

http://ec.europa.eu/information_society/policy/ipv6/index_en.htm

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Project Members

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

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Project Background

rfc1772 rfc1981 rfc1997 rfc2080 rfc2205 rfc2207
rfc2210 rfc2401 rfc2402 rfc2404 rfc2406 rfc2410
rfc2451 rfc2460 rfc2464 rfc2467 rfc2473 rfc2474
rfc2475 rfc2491 rfc2492 rfc2497 rfc2507 rfc2526
rfc2545 rfc2590 rfc2597 rfc2671 rfc2675 rfc2711
rfc2740 rfc2746 rfc2747 rfc2750 rfc2765 rfc2766
rfc2784 rfc2872 rfc2918 rfc2961 rfc2983 rfc2996
rfc2998 rfc3086 rfc3095 rfc3097 rfc3140 rfc3146
rfc3152 rfc3168 rfc3173 rfc3175 rfc3181 rfc3182
rfc3226 rfc3241 rfc3246 rfc3247 rfc3260 rfc3289
rfc3306 rfc3307 rfc3315 rfc3392 rfc3411 rfc3412
rfc3413 rfc3414 rfc3484 rfc3526 rfc3566 rfc3572
rfc3596 rfc3602 rfc3633 rfc3686 rfc3736 rfc3775
rfc3810 rfc3843 rfc3879 rfc3936 rfc3948 rfc3956
rfc3963 rfc3971 rfc3972 rfc3986 rfc4007 rfc4022
rfc4038 rfc4087 rfc4106 rfc4113 rfc4191 rfc4193
rfc4213 rfc4271 rfc4282 rfc4283 rfc4291 rfc4292
rfc4293 rfc4295 rfc4301 rfc4302 rfc4303 rfc4306
rfc4307 rfc4308 rfc4309 rfc4338 rfc4360 rfc4362
rfc4429 rfc4434 rfc4443 rfc4495 rfc4541 rfc4543
rfc4552 rfc4581 rfc4594 rfc4601 rfc4604 rfc4607
rfc4609 rfc4632 rfc4659 rfc4718 rfc4760 rfc4798
rfc4807 rfc4809 rfc4815 rfc4821 rfc4835 rfc4861
rfc4862 rfc4864 rfc4868 rfc4869 rfc4877 rfc4884
rfc4891 rfc4941 rfc4944 rfc4945 rfc4966 rfc4995
rfc4996 rfc5006 rfc5063 rfc5072 rfc5095 rfc5114
rfc5120 rfc5175 rfc5308 rfc5340 rfc5350 rfc5555
rfc5946 rfc6145

USGv6

DoD IPv6

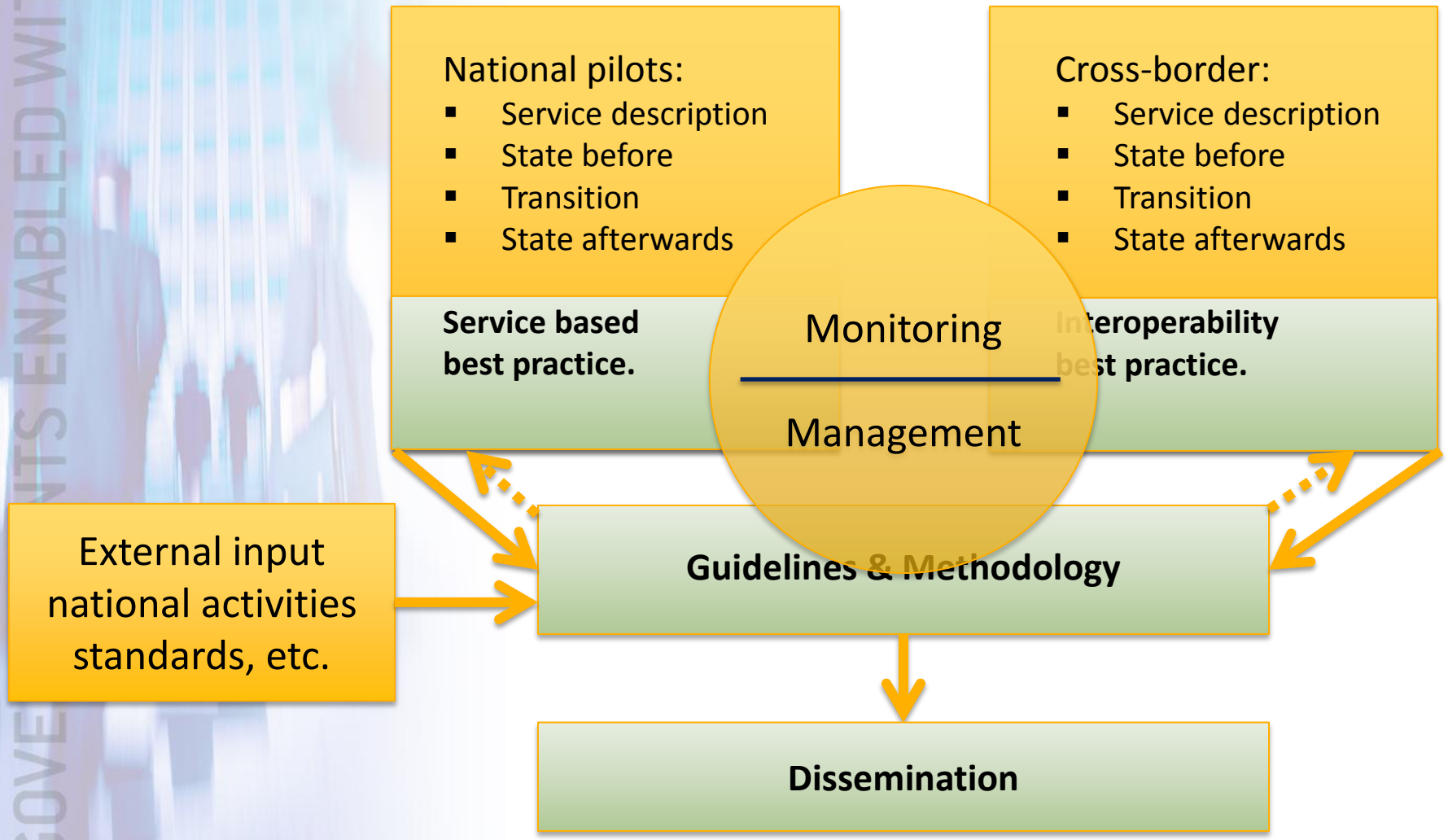
IPv6Ready Logo Program

ripe-554

Project Objectives

- 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
- The outcome of the pilots 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 webservers, portals, databases
- Self Assessment

Project Structure

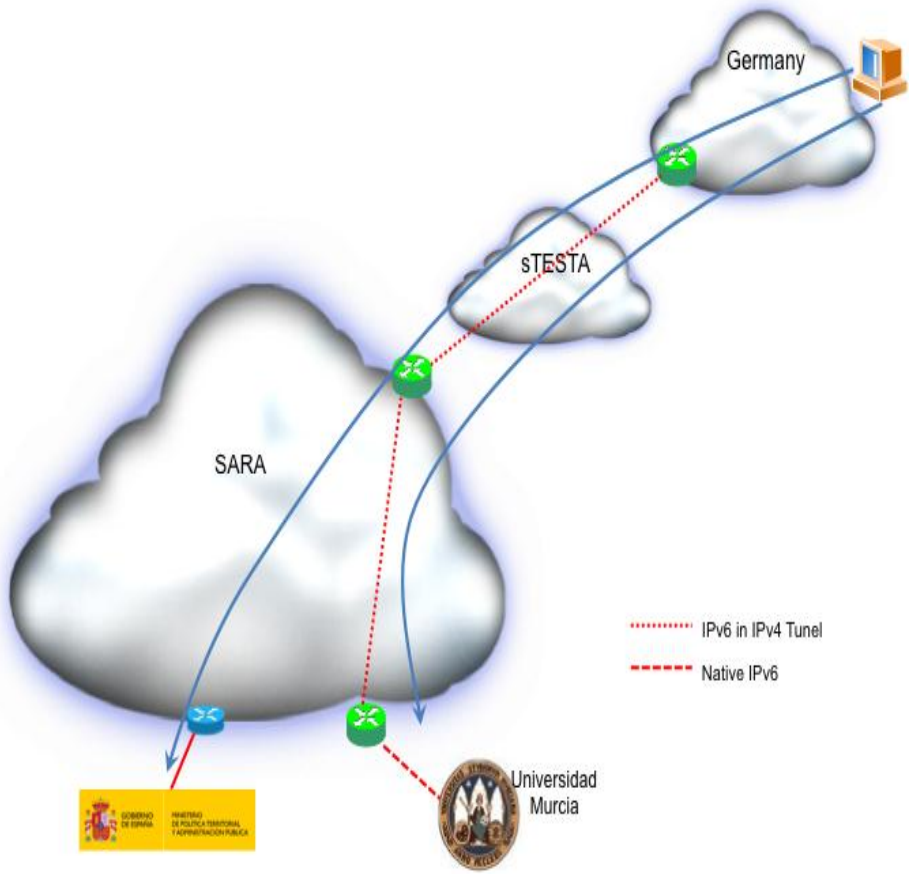


Project National Pilots

- 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).*

Project Cross-Border Pilots

- Interconnection of national government backbones and European networks like sTESTA, in order to ensure a wider IPv6 readiness and interoperation 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”).



Project Outcome

- Deliverable D1.1 Project Web Site (online)
- Deliverable D6.1 Project Presentation
- Deliverable D3.1 Requirement Analysis for eGovernment Services with IPv6
- Deliverable D3.2 Requirements Analysis for “Power of 10”
- Deliverable D5.1 Monitoring Framework & Description of Indicators

- Deliverable D1.1 Project Web Site (Paper documentation)
- Deliverable D3.3 Requirements Analysis for Secure Cloud Services over IPv6
- Deliverable D3.4 Requirements Analysis for A-ERCS
- Deliverable D1.2 Draft Dissemination Plan
- Deliverable D2.1 IPv6 Network Topologies and Addressing Types
- Deliverable D2.2 IPv6 Addressing Plans

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Project Dissemination

- Website:
- www.gen6.eu/
- Twitter:
- https://twitter.com/#!/genv6
- Facebook:
- http://www.facebook.com/groups/353359468011864/?profile_pic_upload=1&success=1
- Google+:
- https://plus.google.com/u/0/103098714204422818884/about/edit/d
- YouTube:
- Coming soon
- Flickr:
- http://www.flickr.com/photos/73806433@N02/6654597101/in/photostream
- Slideshare:
- http://www.slideshare.net/GEN6

Project Dissemination

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