



IPv6 Deployment Support

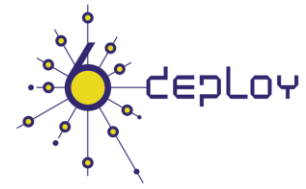
www.6deploy.eu

Martin Potts

Martel, Switzerland

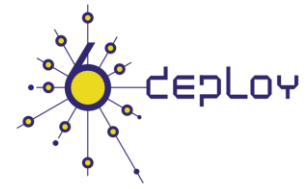
martin.potts@martel-consulting.ch





Programme

- Project Outline (Objectives and Partners)
- Services Offered
- Co-operation with African NRENs



Programme



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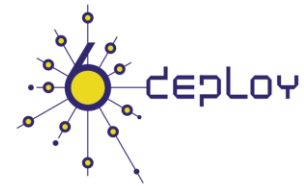


Outline - Objectives

6DEPLOY-2 is funded by the EC as a Support Action for the deployment of IPv6 in:

- Countries such as Africa, Latin America, Asia and E. Europe
- Research infrastructures ... which support all fields of science and technology
- Other EU projects
- Commercial organisations

Started in 2008 (“6DEPLOY”) and now continues until 2013 (“6DEPLOY-2”)

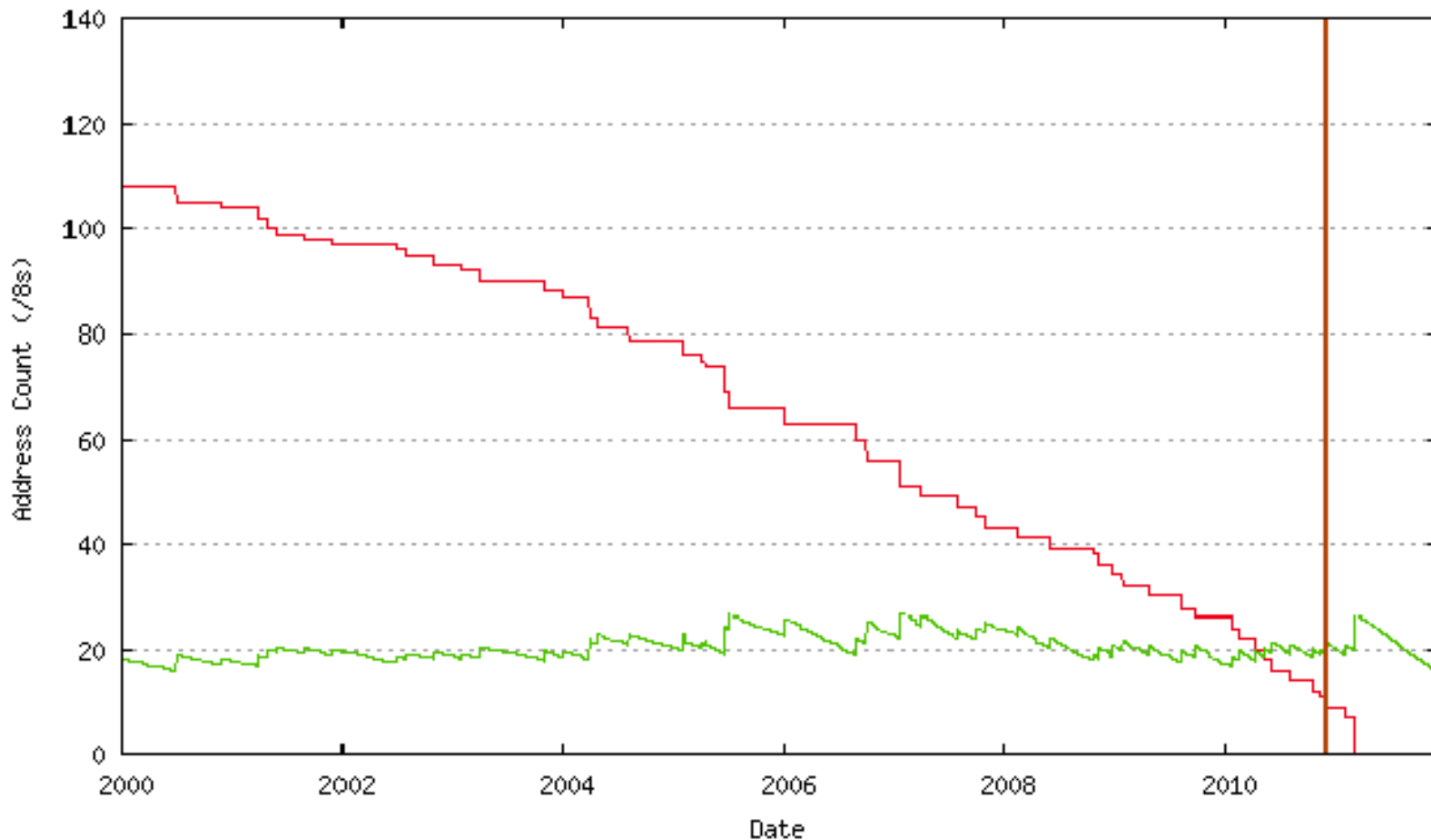


Outline - Partners

Martel GmbH	2 SMEs
Cisco Systems International B.V.	
Consultores Integrales en Telecomunicaciones "Consulintel", S.L.	
University College London	1 University
Réseau National de Télécommunications pour la Technologie, l'Enseignement et la Recherche (RENATER)	6 NRENs
Greek Research and Technology Network (GRNET)	
Fundação para a Computação Científica Nacional (FCCN)	
Nemzeti Információs Infrastruktúra Fejlesztési Iroda (Hungarnet)	
UNINETT AS	
Bulgarian Research and Education Network (BREN)	
The African Regional Network Information Center (AfriNIC)	3 RIRs
The Latin America and Caribbean Regional Network Information Center (LACNIC)	
<i>The Asia-Pacific Regional Network Information Center (APNIC)</i>	



Why 6DEPLOY-2 is needed

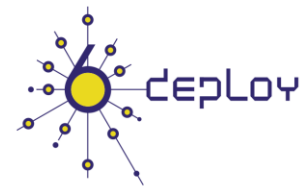


IANA Pool — RIR Pool — Projection —

<http://www.potaroo.net/tools/ipv4/>



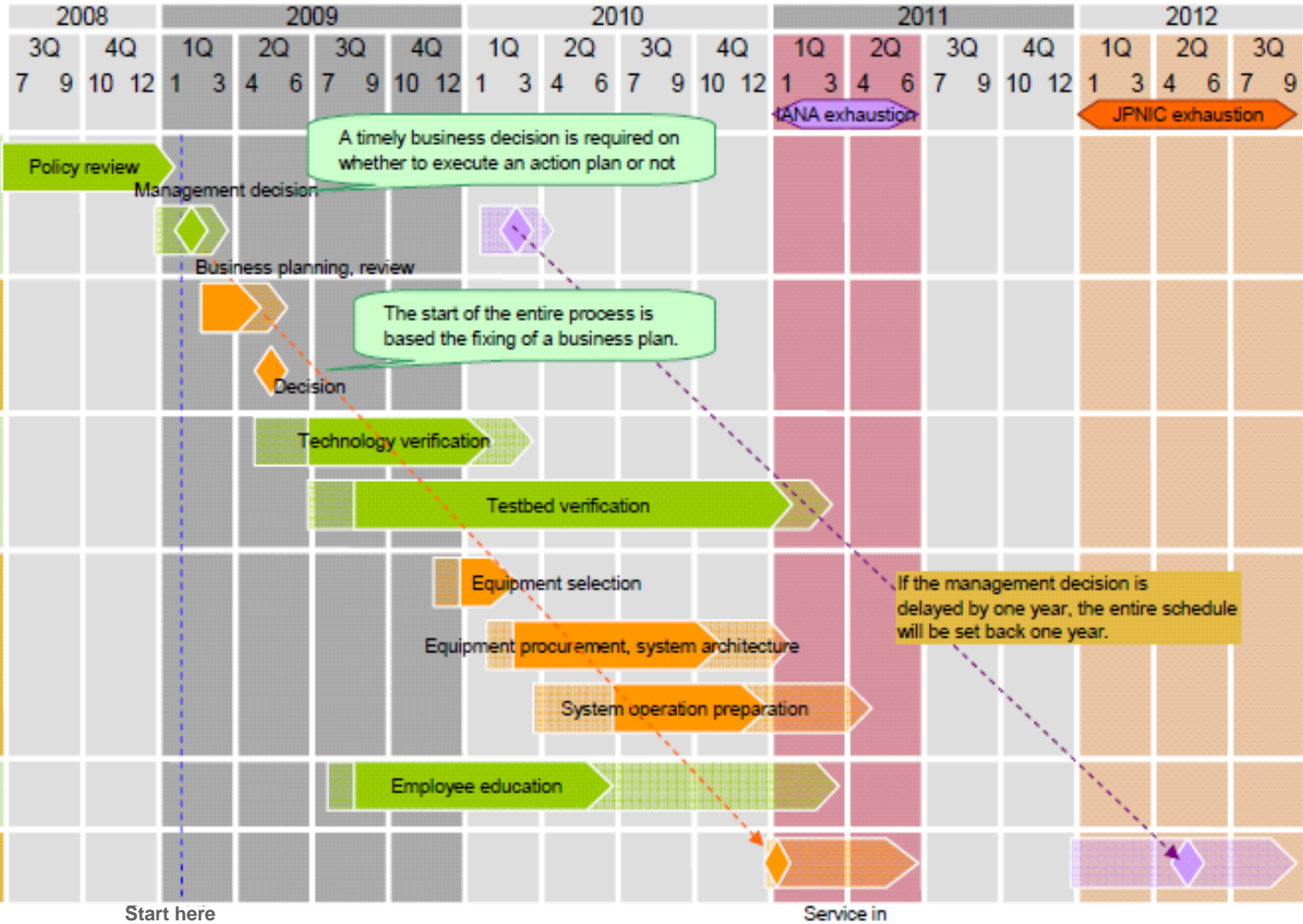
Why 6DEPLOY-2 is needed



From the IPv4 Address Exhaustion Task Force ...

Policy (none?/ NAT?/ IPv6 Service Provision?/ Timing?/ Schedule?), Access network, etc.

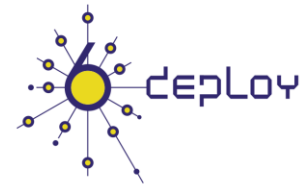
Ver. 2009.2



If the management decision is delayed by one year, the entire schedule will be set back one year.

Start here

Service in



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The 6DEPLOY-2 Services

- Training:
 - Workshops
 - Tutorials
 - On-line e-learning package
 - Modules
 - Practical “hands-on” exercises
- IPv6 Labs
- Deployment Use Cases (Schools, Campus Networks, ISPs)
- The IPv6 Cluster
- Helpdesk



6DEPLOY-2 - Training

Module Topics		
IPv6 Introduction	IPv6 Mobility	IPv6 Routing protocols
IPv6 Protocol	IPv6 Multicast	IPv6 - IPv4 Co-existence
IPv6 Addressing	IPv6 DNS	IPv6 DHCP
IPv6 Addressing case studies	IPv6 Associated protocols	Equipment configuration
IPv6 Network Management	IPv6 and cellular networks	IPv6 and DSL
IPv6 Autoconfiguration	IPv6 Security	Deployment scenarios
IPv6 and sensor networks	IPv6 QoS	“How to” guide for developers
« Hands-on » Topics		
Host configuration (XP, Linux)	DNS	Routing
Application services (Web, mail)	Management tools	Autoconfiguration



- Introduction to the e-learning package**
- Introduction to IPv6
- IPv6 Addressing
- The IPv6 Header
- IPv6 Basic Services
- Security in IPv6
- IPv6 Routing, Mobility and Management
- Co-existence with IPv4

- E-learning package
- Workshops
- Training the Trainers
- IPv6 Training Courses
- Tiger Team



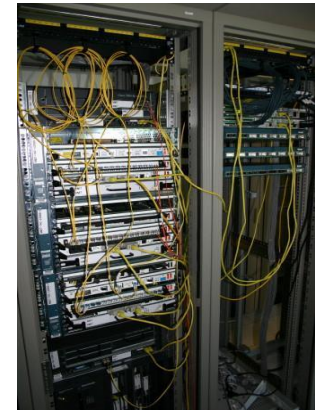
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6DEPLOY-2 - Labs

- Similar configurations and reservation procedures
- Available for workshop training on (e.g.) IPv6 routing
- Can be used also for non-6DEPLOY-2 training
- Multi-vendor
- Located in:
 - Paris, Sofia, Slovenia
 - Mauritius
 - Bangalore
 - Georgia
 - Kyrgyzstan
- New ones planned in
 - Kenya, Ghana, Colombia, Argentina, Mexico, Madrid, Prague

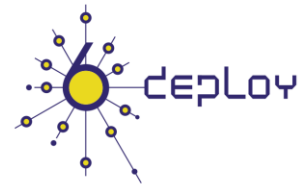




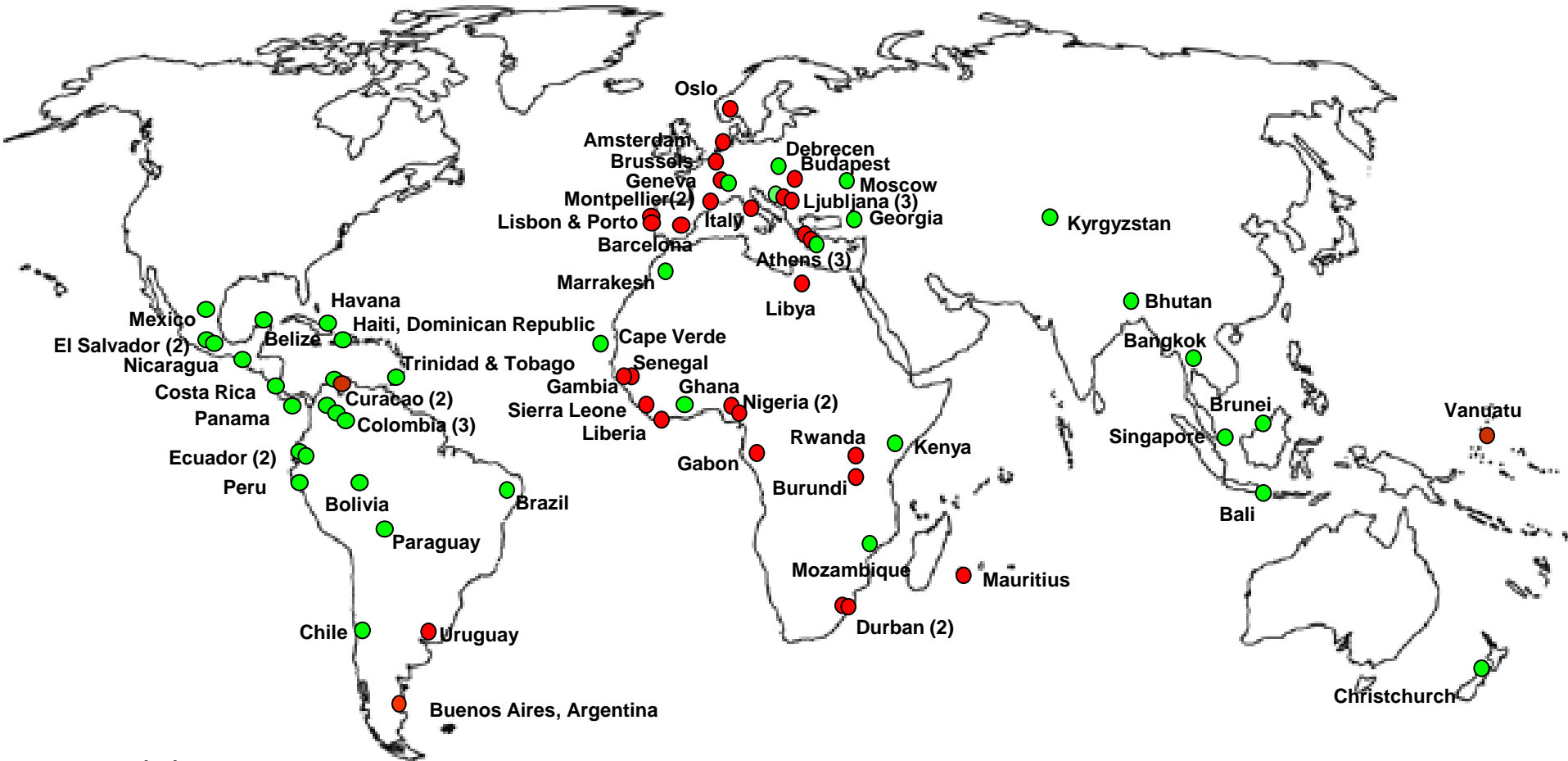
Programme



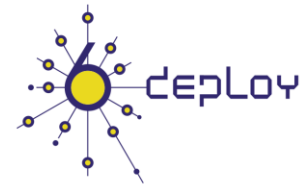
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6DEPLOY – Event Locations



- Workshops
- Extra events



6DEPLOY-2 is here to help!

Thank you for your
attention