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- Looking for a contact ?
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 - Or bernard.tuy@renater.fr



Gosier, la Guadeloupe -March 2007

IPv6DISSemination and Exploitation

Agenda · Workshop objectives · What you can expect · What we expect The 6DISS project and resources Session organisation Gosier, la Guadeloupe -March 2007

IPv6DISSemination and Exploitation

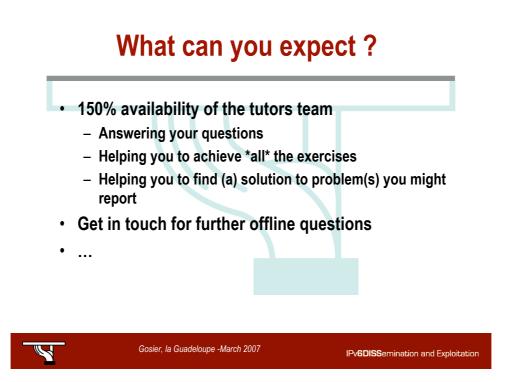
IPv6DISSemination and Exploitation

Workshop objectives

Introduce IPv6 concepts and differences to IPv4

- Coverage includes:
 - Basic protocol operation
 - Core services
 - IPv6 routing –Deployment getting up and running
- Give you hands-on (Cisco, Vista, Linux) experience
- Allow you to go home and get IPv6-connected!

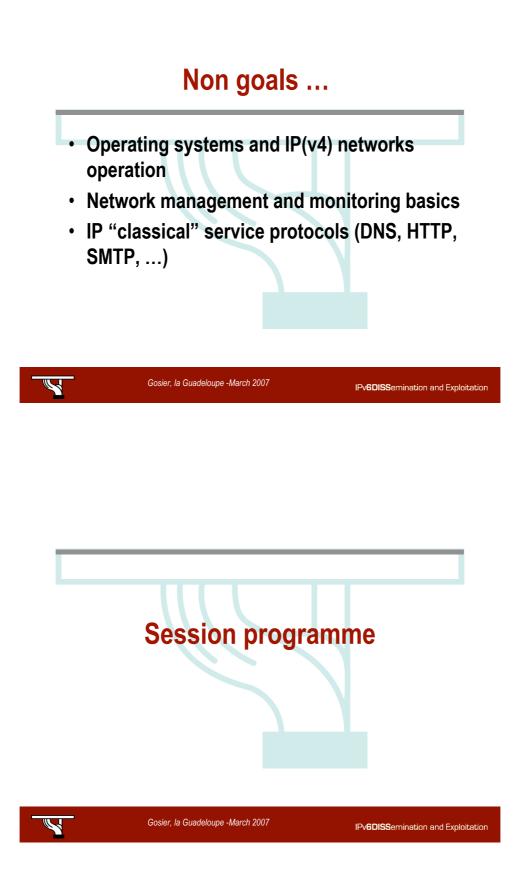




What we expect ...

- Take the chance to gain a strong experience with IPv6 configuration (hands on)
- Ask questions at any time
 - Don't leave the room with an unanswered question or a partially achieved exercise
- Provide us with your experience and your needs to go ahead
 in IPv6 deployment
- Remain in contact afterwards ... and be informed of all the initiatives related to IPv6 in your region
- Fill in the feedback questionnaire ...to help us getting better
 ;)

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Session Programme /1

	Monday, March 5th 2007	
13:45	Welcome	Tutor(s)
14:00	Opening session and training objectives 6DISS presentation	Bernard
14:30	IPv6 basics : protocol, addressing	Stig
	Case study	Simon
15:30	Break	
15:45	Associated protocols	Stig
16:15	LABs presentation	Simon
	LAB-1: Enabling IPv6 on hosts & routers	
17:30	End of Day #1	



Session Programme /2

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	Tuesday, March 6th 2006	
10:30	Autoconfiguration protocols for IPv6	SM
11:00	LAB-2: Packets analysis (*S, *A)	sv
12:15	End of Day #2	

Session Programme /3

	Wednesday, March 7th 2007	
10:30	Routing protocols for IPv6	Bernard
11:00	LAB-3: IGP & EGP configuration	Simon
12:15	Lunch break	
13:45	LAB-3: cont'd	Simon
14:30	DNS for IPv6	Bernard
15:00	IPv6 Applications	Stig
15:30	Break	
15:45	LAB-4: DNS & applications configuration	Stig
17:00	Managing IPv6 networks	Simon
17:30	End of day #3	

Session Programme /4

	Thursday, March 8th 2007	
08:30	LAB-5: Management tools installation & configuration	Simon
09:30	Feedback questionnaire	All
10:15	Debriefing	Tutors
10:30	End of IPv6 training	

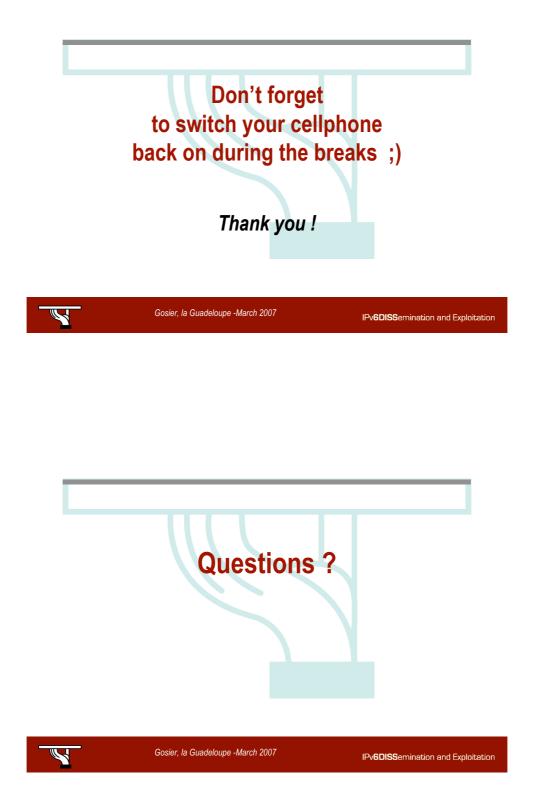




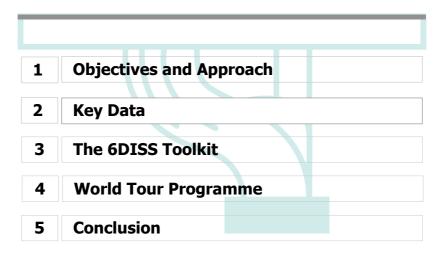
- · Look at the programme to stick to the agenda
- ⇒ If more time slots are available … we'll use them for additional items

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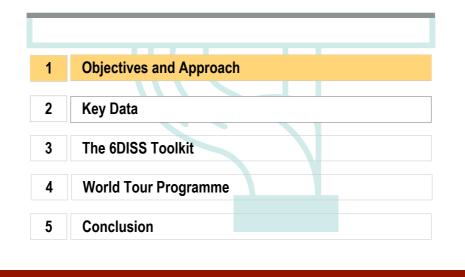












IPv6DISSemination and Exploitation

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Objectives

To transfer knowledge on IPv6 deployment and operation to NRENs, Universities, commercial organisations, ISPs, Governments and Regulators in:

Southern Africa & Sub-Saharan Africa

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- SE Europe
- Mediterranean Countries
- South America, Central America & Caribbean
- Asia Pacific Region
- Newly-Independent States in Central Asia
- India & China



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Objectives



To work with communities and organisations in the regions

- To exchange best practices •
- To try and integrate the organisations into future European projects

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Approach

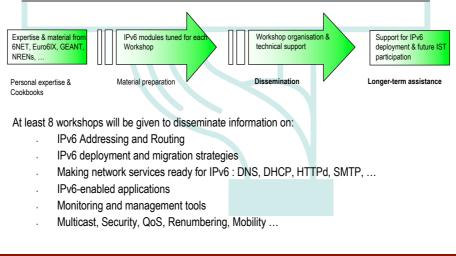
To take the knowledge gained and the documented results from the EU projects 6NET: 6net http://www.6net.org and Euro6IX: http://www.euro6ix.org



... and build a new (smaller) project, focused on sharing the experience in a practical way



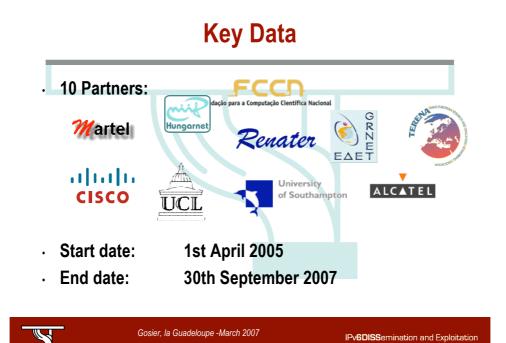
Approach

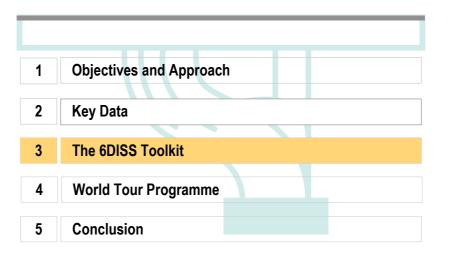




1	Objectives and Approach
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2	Key Data
3	The 6DISS Toolkit
4	World Tour Programme
5	Conclusion









The 6DISS Toolkit

- Workshops
 - (slideware + access to remote labs)
- E-learning package
- Training the Trainers manual and courses
- Tiger Team (helpdesk@6diss.org)
- · Website

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6DISS Toolkit – "Slideware"

- 400 slides inherited from the G6 Group and RENATER
- 6DISS partners then:
 - harmonised the style
 - reviewed the content
 - added new topics/modules (provided by partners)
 - split them into 20 modules
 - More convenient to handle and update
 - Easier to build up a workshop programme selecting the appropriate modules.
- Each module has an owner, responsible for the updates
- Modules continue to be added or expanded (eg. lab exercises, deployment scenarios, applications, ...)



6DISS Toolkit – "Slideware"

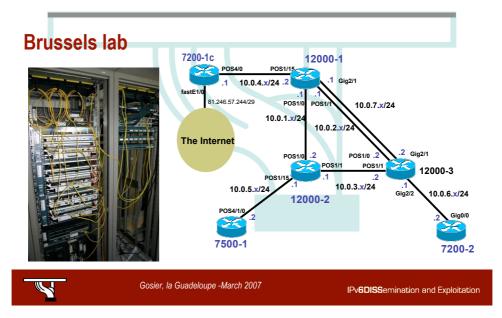
Module Topic	Module Topic
6DISS presentation	IPv6 DNS
IPv6 Introduction	IPv6 Routing protocols
IPv6 Protocol	RPSLng
IPv6 Addressing	IPv6 Security
IPv6 Addressing case studies	IPv6 Mobility
IPv6 Associated protocols	IPv6 - IPv4 Co-existence
IPv6 Network Management	Deployment scenarios
IPv6 Multicast	IPv6 Applications
M6Bone	Equipment configuration
IPv6 Autoconfiguration	IPv6 QoS



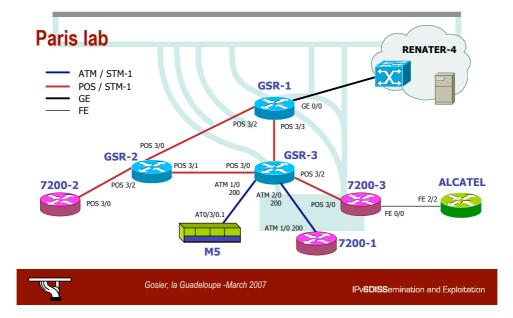
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6DISS Toolkit – Access to remote labs

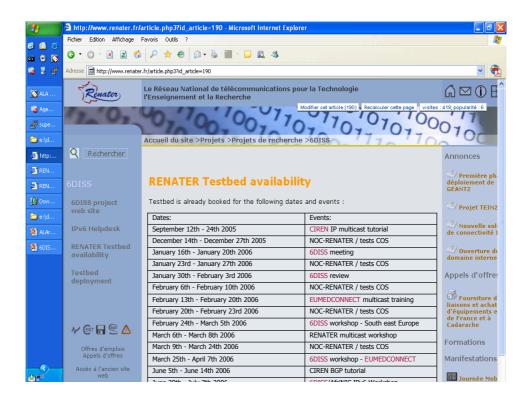


6DISS Toolkit – Access to remote labs



6DISS Toolkit – Reserving the labs





6DISS Toolkit – E-learning package

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6DISS Toolkit – Training other Trainers

Goal

- Prepare other / potential trainers to build IPv6 workshops and courses
- Increase / multiply the number of occurrences for IPv6 trainings around the globe

Audience

 Engineers, teachers, professors, ... in charge of the education of technical teams, students, ...

Means

- (re)use all available material prepared and validated by 6DISS partners
- Slides sets, remote labs, e-learning, ...

Content

- Guidelines regarding the fundamentals of teaching
- Guidelines on how to organize and run a workshop about IPv6
- Information on all the 6DISS material and services available
- Practical exercises on using 6DISS slide modules
- Remote labs presentation and configuration



6DISS Toolkit – Tiger Team

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The "Tiger Team" is a channel to experts (within or outside the project). It operates via a *help desk* service (<u>helpdesk@6diss.org</u>), concerning aspects such as:

state-of-the-art, eg:

- IPv6 IETF RFCs that are released or still in progress
- IPv6 deployments
- IPv6 applications
- · how to configure equipment
- · hardware and software requirements and releases
- · transition scenarios
- · management and monitoring tools
- · applications

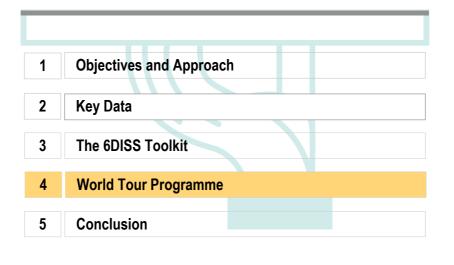


6DISS Toolkit – Website

At http://www.6diss.org, you can find:

- All the presentations that have been made at the workshops and in conferences, reports from the workshops, deliverables, press releases, news, etc.
- A calendar of upcoming events especially related to IPv6, and the upcoming 6DISS workshops
- The link to the e-learning package
- Links to related sites
- Workshop hosts can also download the information they need regarding the organisational details.

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World Tour Programme

Workshops held so far:

- Asia-Pacific Region: Taipei, Taiwan (IPv6 Summit, 08/2005)
- Southern Africa: Port Elizabeth (TENET IPv6 workshop, 09/2005)
- S-E Europe: Serbia/Montenegro (03/2006)
- Mediterranean Countries: Malta (04/2006)
- South & Central America: Ecuador (07/2006)
- Sub-Saharan Africa: Senegal (10/2006)

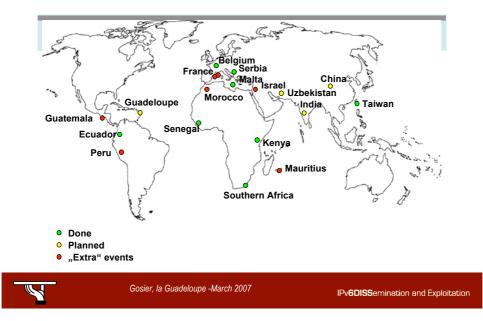
"Hands-on" practical sessions supported at: Afrinic-3, AfriNIC-4, AFNIC FFTI, ...

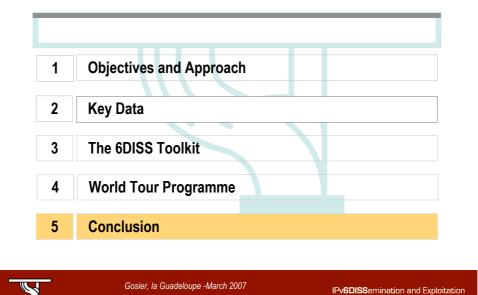
"IPv6 Trainers' session" in Belgium (10/2006)



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World Tour Programme





Conclusions

6DISS aims to:

- Assist regions with less IPv6 experience to deploy the latest technology in the most efficient manner
- Build contacts to organisations in these regions to support and enable their subsequent participation in projects within the EU ICT Programme
- Make European research and industrial concerns aware of the highly skilled personnel who can contribute to the urgently needed improvement of ICT infrastructures

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Conclusions

The 6DISS project is achieving its objectives well, but we know that there are lots of other related initiatives.

Cooperation, sharing information, ... is a must

So, if you are planning an event that includes IPv6 information dissemination, training, etc., do not hesitate to get in a touch with us.

Contact us through our Website (<u>www.6diss.org</u>), or send a mail to <u>helpdesk@6diss.org</u>

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Questions ?		
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