6DISS: IPv6 Dissemination and Exploitation

➢ Key Data (partners, duration)

➢ Objectives

➢ Technical Approach

➢ Potential Impact

➢ Expected Results

Key Data

Partners:
Martel
Cisco, Alcatel
RENATER, GRNET, FCCN, NIIF/HUNGARNET
TERENA
University College London, University of Southampton

Duration:
1st April 2005, for 30 months

EC Funding

Objectives (1)

To transfer knowledge and deployment experiences from European IPv6 projects (6NET, Euro6IX, GEANT), TERENA, European NRENs, etc. to research network operators, universities, commercial organisations, governments and regulators in:

- Balkan countries (inc. Bulgaria, Romania, Moldova & Turkey)
- Mediterranean countries
- Newly-Independent States (Central Asia, including Afghanistan)
- Sub-Saharan Africa
- Southern Africa
- The Caribbean
- Asia-Pacific region
- South and Central America
- ... and will exchange information with such organisations in India & China

Objectives (2)

To build constituencies, raise awareness, exchange best practices**, and** engage **the** organisations in future IST projects**.**
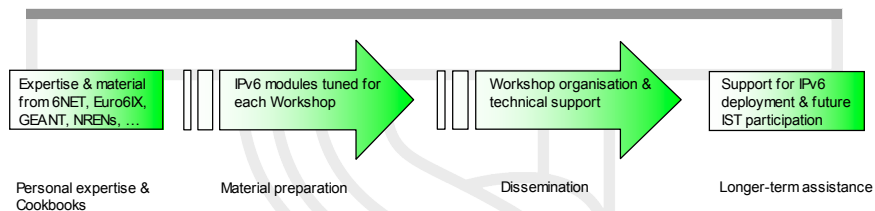
Technical Approach: Workshops

To organise 8 workshops to disseminate the information contained in 6NET Cookbooks and training materials on:

- **IPv6 deployment and migration in fixed and wireless environments**
- **Multicast**
- **QoS**
- **Renumbering**
- **DNS**
- **DHCP**
- **Security**
- **Routing**
- **Monitoring and management tools**
- **IPv6-enabled applications**

Technical Approach: Workshops

Expertise & material from 6NET, Euro6IX, GEANT, NRENs, …	IPv6 modules tuned for each Workshop	Workshop organisation & technical support	Support for IPv6 deployment & future IST participation
Personal expertise & Cookbooks	Material preparation	Dissemination	Longer-term assistance

8 Workshops (1 per targeted region, "owned" by a specific partner)

Balkan countries	GRNET
Mediterranean, Sub-Saharan Africa & Caribbean	RENATER
Newly-Independent States	UCL
South & Central America	TERENA/FCCN
Southern Africa	Cisco
Southern Asia	Uni SOTON

plus exchange of best practices and deployment
examples at events in India and China   Uni SOTON, Martel

Other Technical Approaches

1. "Tiger Teams" (1 expert per topic for back-up technical support, maintaining FAQ lists, etc.)

2. IPv6 Training at Cisco in Brussels (hands-on)

3. "Training the Trainers" (people can be trained in all topics and go back to their regions to teach others)

4. e-learning (on-line guide to where reference information can be found – eg. 6NET Cookbooks)

Potential Impact

• To assist less-developed regions to deploy the latest technology in the most efficient manner

• To build contacts to organisations in these regions to support and enable their subsequent participation in projects within the IST Programme

• To increase opportunities for EU manufacturers to open new - or enhance existing - markets in these developing regions

• To make European research and industrial concerns aware of the highly skilled personnel who can contribute to the urgently needed improvement of ICT infrastructures

Expected Results

- 8 Workshops organised with relevant training material

- A number of trained persons

- Improvement of the knowledge base in the regions

- Increased participation to IPv6 Fora, IPv6 Task Forces, RIR meetings

- An assessment of Internet connectivity in the regions