

# 6DISS : IPv6 Dissemination & Exploitation

*[Bernard.Tuy@renater.fr](mailto:Bernard.Tuy@renater.fr)*

# Agenda

- Introduction
- Key Data (partners, duration)
- Objectives
- Technical Approach
- “World Tour Programme”
- Conclusion

# Introduction

- 6Net is over ...
- A lot of experiences have been gained during the 3 year-project
- And documentation produced
  - Should you have any technical question related to IPv6 ... look at <http://www.6net.org>
- A new project (smaller) has been set up to share the experience on a practical basis

# Key Data

Partners : 10

- Martel (project leader)
- Vendors
  - Cisco, Alcatel
- NRENs
  - RENATER, GRNET, FCCN, NIIF/HUNGARNET
- TERENA
- Universities
  - University College London (UCL)
  - University of Southampton (Soton)

Duration:

1st April 2005, for 30 months

EC Funding

# Objectives (1)

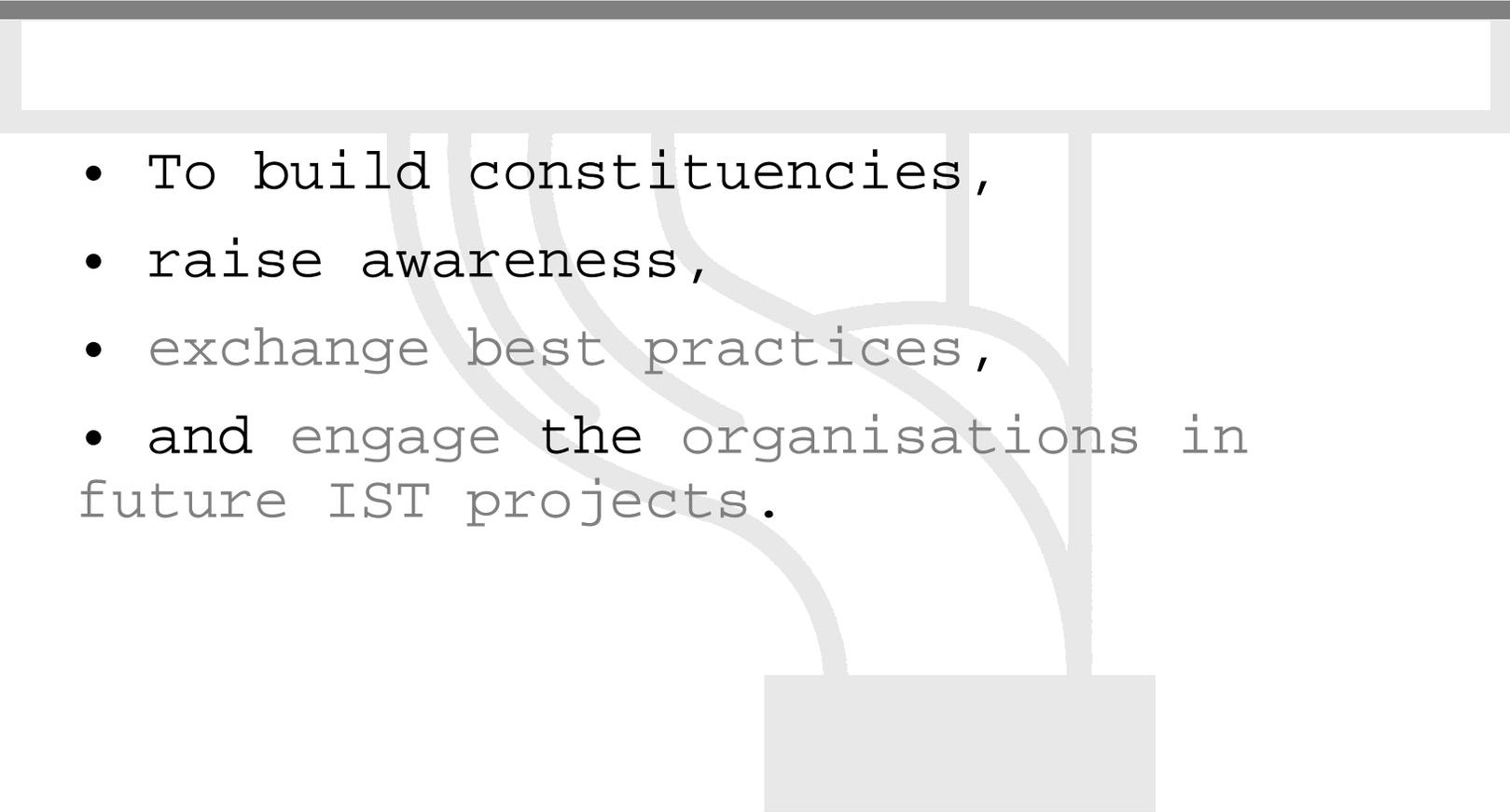
**To transfer knowledge and deployment experiences from European IPv6 projects (6NET, Euro6IX, GEANT), TERENA, European NRENs, etc. to research network operators, universities, commercial organisations, governments and regulators in:**

- . **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**



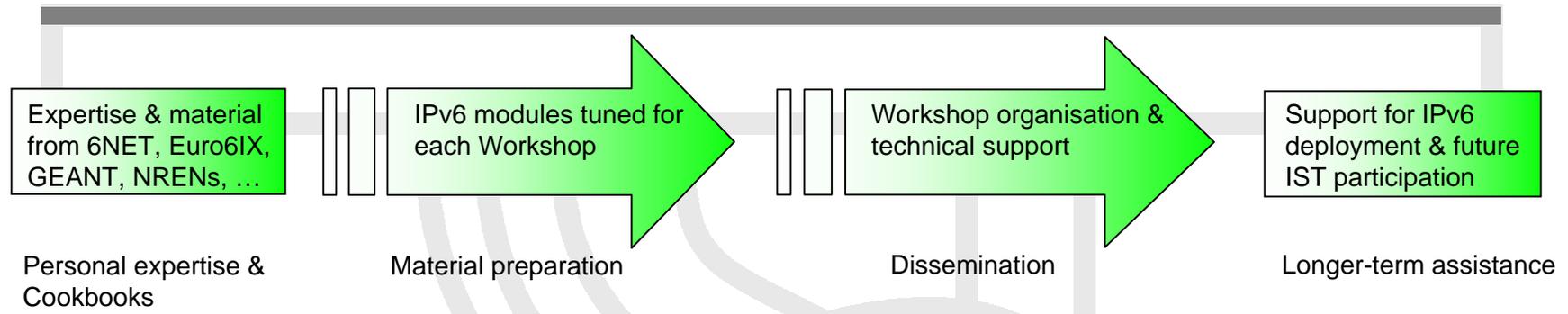
# Objectives (2)

- 
- 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 on:

- IPv6 Addressing & Routing
- IPv6 deployment and migration strategies
- Making network services ready for IPv6
  - DNS, DHCP, HTTPd, SMTP, ...
- Security
- Monitoring and management tools
- Multicast
- And others, like
- QoS, Renumbering, Mobility ...
- And IPv6-enabled applications



### 8 Workshops (1 per Region) :

- Balkan countries
- Mediterranean, Sub-Saharan Africa & Caribbean
- Newly-Independent States
- South & Central America
- Southern Africa
- Southern Asia

- GRNET
- RENATER
- UCL
- TERENA/FCCN
- Cisco, FCCN
- Uni SOTON

plus exchange of best practices and deployment examples at events in India and China

Uni SOTON, Martel



# Technical Approaches / 3

To complement the Workshops efficiency :

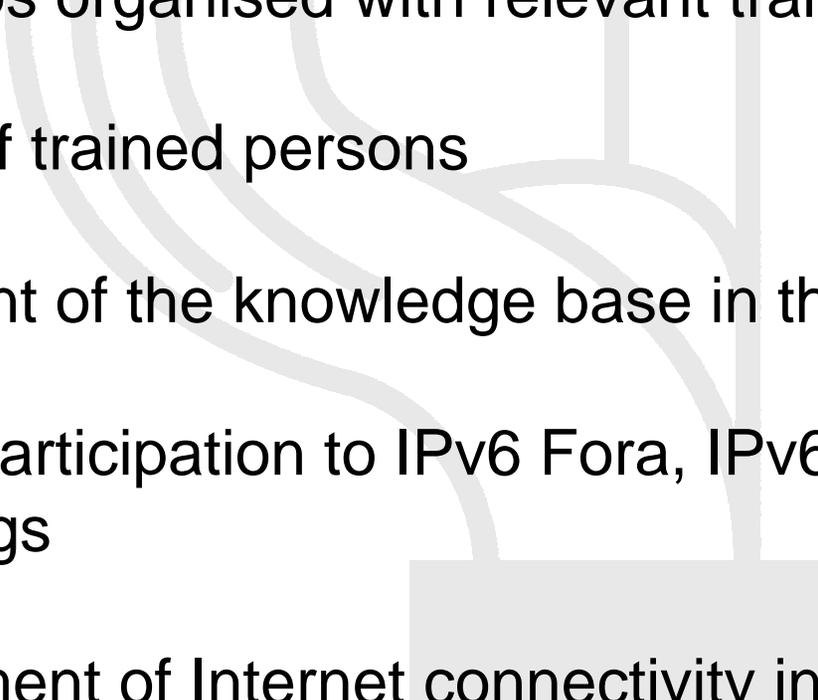
- IPv6 tutorial material is under preparation
  - for beginners
  - to “train the trainers”
  - e-learning for remote self-teaching
- IPv6 permanent Labs will be available (hands-on)
  - at Cisco in Brussels (ready yet)
  - at Renater’s in Paris (to come up)
- An IPv6 “Tiger Team”
  - available 24/7 to
    - answer any question related to IPv6 deployment & operation
    - help people willing to start
  - email to : [helpdesk@6diss.org](mailto:helpdesk@6diss.org)

# 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

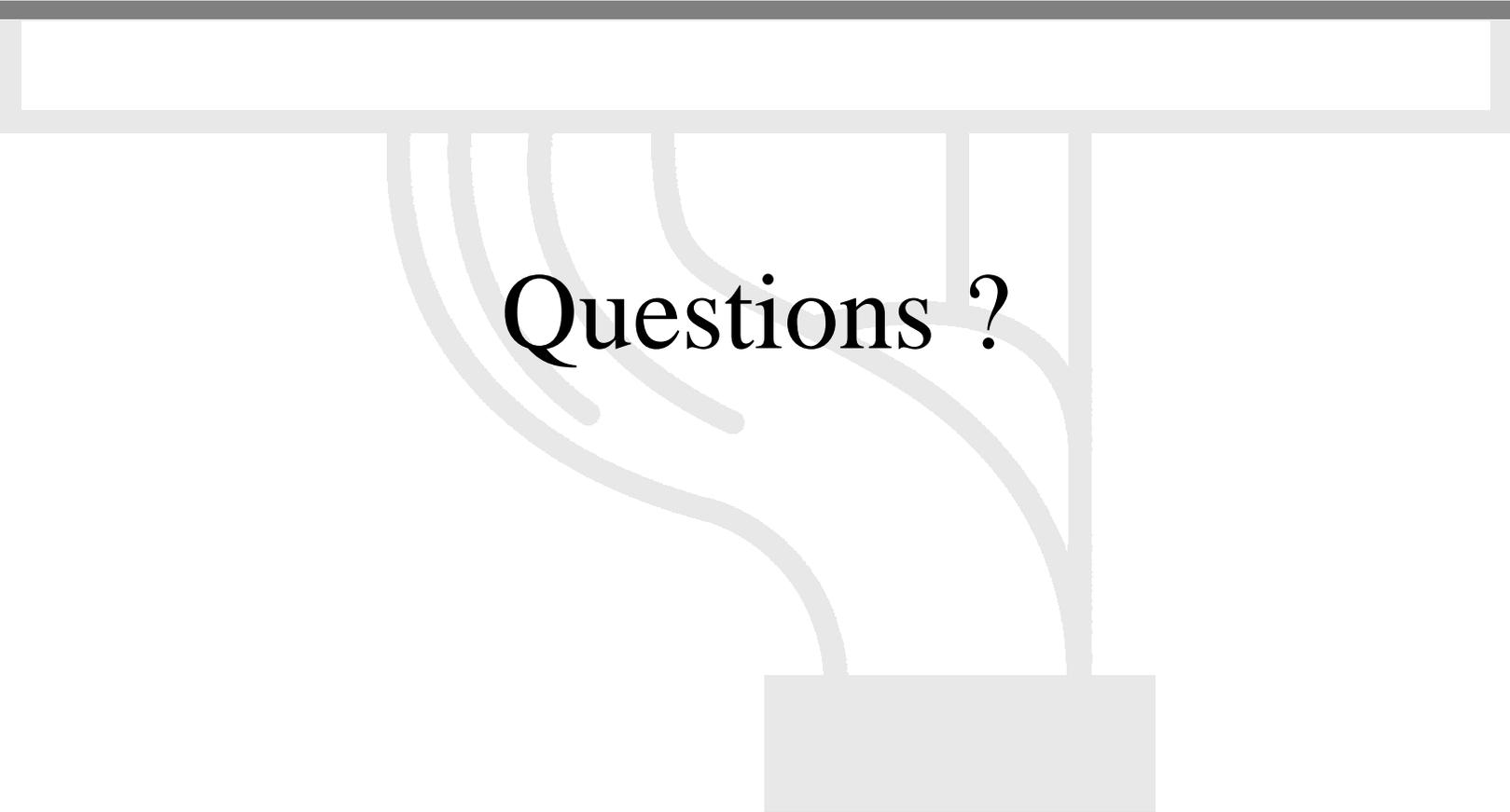
# "world tour programme"

- Done so far
  - IPv6 summit , Taipei, TW (08/2005)
  - TENET IPv6 workshop, Port Elizabeth, ZA (09/2005)
- Already planned
  - Afrinic-3, Cairo, EG (12/2005)
  - Latin America, VE (Q1/2006)
  - EUMEDconnect, Malta (S1/2006)

# Conclusion

- 6DISS project will achieve part of the work
- There is room for lots of other initiatives
- Cooperation, sharing info, ... is a must
- If you're planning an event with a bit of IPv6 info, training, ...
  - Don't hesitate to be in a touch with us





Questions ?