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Abstract:

This Deliverable summarises the key data concerning the 6DISS project, in a standardised format. It is intended to be used in EC publications such as brochures and flyers, and also uploaded onto the EC (Cordis) Website.

Keywords:

Project summary, publicity material

6DISS

IPv6 Dissemination and Exploitation

Abstract

6DISS exploits the IPv6 experiences of key players in the Internet research community, from the major EU R&D projects: 6NET, Euro6IX and GÉANT. These participants are committed to aid the deployment of new Internet protocols and services in the developing regions of the Balkans, Mediterranean partner countries, Sub-Saharan Africa, Southern Africa, the Newly-Independent States, the Caribbean, the Asia-Pacific region, and South and Central America. Exchanges of information and best practices will also take place with people making similar deployment work in China and India.

6DISS will provide training courses and practical workshops to those responsible for the installation, operation and maintenance of the National Research and Education Networks in these developing regions, and also inform strategists/decision makers in these countries of the benefits of deploying IPv6.
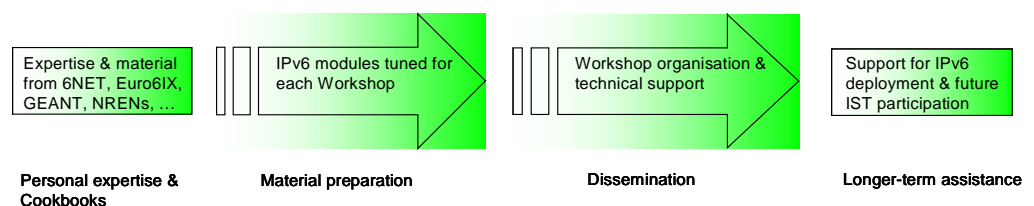
6DISS will continue the support and collaboration beyond these workshops, through access to experts (the so-called "Tiger Team") for technical queries and operational support. Furthermore, training of additional trainers will be offered, and information will be given by equipment manufacturers about new features and products. Reports will also be made available on the status of standardisation, IPv6 Forum activities, etc. It is also intended that the collaboration with these countries will lead to their participation in future IST Calls for Proposals.

Of further importance is the integration of the local organisations in the planning of the workshops, the selection of the attendees and the topics, and consequently the opportunity to benefit from the EC budget reserved for INCO countries.

Objectives

The 2 main objectives of 6DISS are:

1. To establish and operate a Specific Support Action of information exchange for the optimal transfer of knowledge on Internet deployment and evolution to emerging research network operators, Universities, commercial organisations, ISPs, governments and regulators in the following countries:
   - Balkans,
   - Mediterranean partner countries,
   - Newly-Independent States (NIS),
   - Sub-Saharan Africa,
   - Southern Africa
   - The Caribbean,
   - The Asia-Pacific region
   - South and Central America.

2. To enhance the knowledge base of the partners by exchanging deployment experiences with especially India and China.

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**

IST Specific Support Action – 6DISS

Technical Approach

The 6DISS project will first prepare and then disseminate information relating to IPv6 deployment that has been collected through partners' participation in several European initiatives, led by experts from the 6NET, Euro6IX and GÉANT projects. In this way, existing European R&D results will be given increased value and visibility through a structured programme of information exchange and practical support.

The goal of this action is twofold:
- to assist less developed regions to deploy the latest technology in the most efficient manner, and help them to gain experience with IPv6 to be ready for the Next Generation Internet
- to build contacts to organisations in these regions to support and enable their subsequent participation in projects within the IST Programme

The collaboration with the developing regions is ensured and optimised by including in 6DISS those partners who already have close working associations with the research networking communities in the regions, through significant (often leading) roles in ongoing projects (e.g. SEEREN, SEE-GRID, SEEFIRE, EUMEDCONNECT, ALICE, SILK, SPONGE, TEIN2) in precisely those geographic regions being targeted.

The project will also assist the integration of organisations from developing countries into the IST Programme, and therefore incorporates also the participation of several INCO countries. The participation is addressed through the delegation of workshop preparation activities to organisations within each region.

Expected Achievements

The following elements will be components of the measure of success of the 6DISS project:
- 8 Workshops organized with relevant training material during the 30-month duration of the project
- The extent of further on-going local training/contacts
- The number of trained personnel
- Feedback analysis from each Workshop (attendee survey)
- Improvement of the knowledge base in the regions
- Participation to IPv6 Fora, IPv6 Task Forces (national/regional), RIR meetings
- Additionally, the project will obtain from the regions, information about the status of Internet deployment. 6DISS will also support the participation of organizations from the visited regions in new IST Calls for Proposals.

Dissemination

The project's public communication strategy is through its Website, EU events, publications, the "Tiger Team" operating as an open *help desk* service, and the free availability of the course material.

The "Tiger Team" comprises experts within the project, willing to answer questions via e-mail and maintain a list of FAQs regarding equipment configuration, hardware and software requirements, RFCs, etc. The Tiger Team will:
- Create an area of the project Website that conveys state of the art in IPv6 deployment, and offers visitors access to appropriate information to assist in their deployment of IPv6.
- Support concrete cases of transition to - or coexistence with - IPv6
- Provide details of applications built or ported by other projects
- Provide 2-3 page fact sheets on IPv6 deployment, e.g. IPv6 VPN, DHCPv6,... as extracted from IPv6 cookbooks
- Maintain the *www.6journal.org* web site (adding new presentations and papers)
- Interface to/assist national IPv6 Task Forces and IPv6 Forum as appropriate
- Create links to interesting IPv6 applications, IPv6 resources, and national resources

The workshops are another mechanism through which information will be transferred to the developing countries. The workshops will enable to build constituencies and raise awareness; disseminate, benchmark and validate the research results from IST; promote European technologies; exchange best practices; and explain about activities related to standards and interoperability issues.