



# IPv6 Newsletter



April 2003 - Issue 7

*This newsletter provides news and announcements from the IPv6-related projects and activities organised in the IST (Information Society Technologies) research programme of the European Commission. To hear more news about IPv6 developments within the IST programme and beyond, join the IST IPv6 Cluster! This is a free, public service. For joining instructions, please see [our website](#). We would also greatly appreciate your [feedback](#).*

## LATEST IST PROGRAMME NEWS

### **Framework Programme 6**

1473 proposals were received in response to the first IST Call for Proposals (plus 95 project proposals addressed the joint call with Priority 3 "Nanotechnologies"). 755 were proposals for classical research projects (Specific Targeted Research Projects or STREPS) and 348 were for integrated projects (IPs). Overall, some 22% of the proposals were submitted electronically, even though the tool for this was only available 3 weeks before the deadline. Initial assessments of the proposals submitted indicate that the Workprogramme has been very well covered, and that the number of SMEs within the consortia remains at satisfactory levels. The proposals will be evaluated by independent technical experts in the coming weeks, and proposers should be receiving summary evaluation reports from 24 June.

### **IST2003 Exhibition**

The European Commission invited projects to participate in the [Call for Exhibition Proposals for IST2003](#). The deadline was extended until May 19. Those who have already submitted a proposal may revise and resubmit it once if they wish.

## IST IPv6 CLUSTER MEETINGS

The Madrid 2003 Global IPv6 Summit hosted a special IPv6 Cluster workshop on the afternoon of May 12th 2003, attended by nearly 300 people. The theme of the workshop was 'IPv6 Deployment Tutorial'. 13 talks from 7 IST projects (6NET, 6WINIT, ANDROID, Euro6IX, GEANT, LONG, and MobyDick) were given. In addition, in the morning a basic IPv6 tutorial was organised, and on the following days, the main conference with a variety of speakers and topics. Several projects also presented local and remote demonstrations of IPv6 related services and applications. The slides, videos, demonstrations description and other documents are available on-line [here](#). During the Summit, over 1,200 people connected to the streaming service, in addition to the remote participants connected via ISABELv6. It was the first time an ETSI Plugtest was organised with the participation of an IST project, Euro6IX, to facilitate remote and distributed testing, with participation from all over the world of about 20 institutions. The chosen venue is the first hotel in the world with permanent IPv6 connectivity in their guest rooms, inaugurated by the Spanish Ministry of Science and Technology during the event opening ceremony (further info available [here](#)).

6POWER made several demonstrations of PLC and IPv6 technologies during the Madrid 2003 Global IPv6 Summit. One of them, was an impressive demonstration of PLC deployment. Part of the network deployed at the Hotel Auditorium was using 45 Mbps Power Line Technology from DS2, that has been enhanced to provide QoS and multicast support by the 6POWER project. 6POWER also teamed with XIRAN during the Madrid 2003 Global IPv6 Summit in order to demonstrate the Power Line throughput, offering content delivery speeds up to the maximum

available bandwidth on the PLC network, simulating hundreds of clients requesting simultaneous streaming sessions. In the scope of the Eurov6 nomadic showroom, Panasonic demonstrated the new dual stack network cameras, which incorporate pan, tilt and zoom functions, and other IPv6 features, to ease peer-to-peer usage, security and autoconfiguration. The 6QM project demonstrated the usage of an IPv6 IPPM measurement system to control the quality of IPv6 services. The system is made of two components, the IPPM measurement system of QoS Metrix and the IPPM proxy of France Telecom. The probes were distributed on France Telecom's IPv6 Network, VTHDv6, at Consulintel's office in Madrid and at the Global IPv6 Summit venue. Euro6IX made extensive demonstrations of the wide variety of services and applications available across the Euro6IX network. These included IPv6 multicast, Mobile IPv6, IPv6 over GPRS and WLAN, IPv6 audio and video streaming, IPv6/IPv4 interworking, IPv6 network management, IPv6 Voice over IP, PKI security solutions, and IPv6 multihoming.

Further details of all these demonstrations are available from the [Summit website](#) in [this document](#).

Details of the next IPv6 Cluster meeting will be made available soon on the [Cluster website](#) and by email to the Cluster mailing list.

## IPv6 STANDARDISATION

The latest IPv6 Technology Standardisation Report is now available on the IST IPv6 Cluster website. Registered users should click on Downloads -> IPv6 Standardisation Reports -> IPv6 Standardisation Report, April 2003.

## CONFERENCES AND WORKSHOPS

### ***Research Infrastructures***

On 25 March the European Commission held an information day on 'Research Infrastructures'. The EU will insist on service-triggered research instead of generic research and development activities. This implies a new generation of services over the Internet based on global collaborations, better utilisation of resources, computing and storage viewed as service purchased on demand, increased security and QoS. The GRIDs form the centre of this vision. From pilot test-beds to broad geographical coverage & interoperable RI to address the needs of diverse & demanding user communities - open for use by a broad range of users/ application areas. Projects should integrate National infrastructures and initiatives and should provide operational service & local level support.

### ***IETF***

The meetings recorded during the week of IETF56 are available [here](#) and [here](#). The next IETF meeting will be hosted in Vienna, from 13 to 18 of July. More info [here](#).

### ***RIPE***

In the plenary of the Barcelona RIPE 45 meeting, a presentation regarding the EC position on IPv6 and the strategy, was provided by the IPv6 Task Force Steering Committee. [Slides](#) and [video](#) are available.

### ***ISOC***

ISOC has announced the publication of a Member Briefing, by the 6POWER project, entitled '[Addressing the Digital Divide with IPv6-Enabled Broadband Power Line Communications](#)'. This paper will be also presented at the next [Telecom Engineering Conferece](#), Supercomm 2003, in Atlanta, together with another talk about IPv6 and Network Security.

## ***Forthcoming Events***

- The third edition of the 'Deploying IPv6 Networks' conference, to be held in Paris next December 2-5 during the New Mobile Technologies forum, aims at validating that carriers have begun installing real IPv6 networks. Indeed, major operators have announced the launch of IPv6-based services. According to all the specialists the 'home networking' applications justify the deployment of the next release of the Internet Protocol. Moreover, the rollout of 3G mobile networks offering Internet services necessitates IPv6. A call for proposals is online [here](#).
- The Mobile & Wireless Communications Summit 2003 will be held on 15-18 June 2003 in Aveiro, Portugal. The IST program is highly committed to the goal of pushing the development of a global wireless information society. It is the 12th year this forum has been sponsored by the European Commission, keeping its objective to provide a major forum for the dissemination of the results of the EU Research Initiatives towards Personal and Wireless Mobile Communication Systems and Networks, including their Terrestrial and Satellite components, in a competitive fora with worldwide participation.
- IPv6, the new Internet Conference, Caen, 11 - 13 Jun 2003 , France
- North American Global IPv6 Summit 2003, 23-27 June 2003, San Diego
- Belgian Global IPv6 Summit, Brussels, 22-24 September 2003

## **LATEST NEWS**

- The [Denmark IPv6 Task Force](#) has been kicked off on May 16th.
- The IPv6 Promotion Council of Japan is promoting an 'IPv6 Applications Contest'. At the Madrid Summit the prize-giving ceremony for the Idea Awards section of the contest was held. For more details of the next phase of the contest, please contact Scott Macdonald, Appli Contest Office, IPv6 Promotion Council of Japan, [here](#).
- With a kick-off meeting hosted by T-Systems Nova in Berlin the German IPv6-Taskforce was launched on 29 April 2003. The goal of the 'IPv6-Taskforce Germany' is to promote the Internet Protocol version 6 (IPv6) on the German market and to support the market introduction in Germany. The German IPv6 Taskforce has the support of T-Systems, DFN-Verein, Siemens, IABG, JOIN, SpaceNet, AERAssec, BRAINTEC Netzwerk-Consulting, NEC Europe Ltd. and others.
- The IPv6 Swiss Taskforce organised the first IPv6 Summit in Switzerland on 24th April 2003. The event was very successful and attracted more than 180 participants. Telscom presented the IPv6 project results in the exhibition, as an IPv6 showcase.
- The [IPv6 Cluster web site](#) has been updated, building upon an open source content management system. As a guest user you can look through news, project information, IETF I-Ds and RFCs and other web links. You can suggest links to be added. By registering on the site, you get access to downloads, polls, full site searches, web stats, and can even submit your own news items.
- LACNIC (Latin America and the Caribbean Internet Address Registry) has published Internet Resource Administration Policies, which can be found at [here](#). In relation to IPv6, IPv6 address microallocation policies and resource allocation for experimental uses have been proposed.

***FOR MORE REGULAR IPv6 UPDATES, PLEASE JOIN THE IST IPv6 CLUSTER!***