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**Abstract:**

This deliverable summarizes the Euro6IX project dissemination activities of the first year (2002).  
 The deliverable takes into consideration the previous deliverables and adds the activities followed up after these deliverables. The main activities of dissemination, standardization, press releases and the demonstration booths during the IST2002 in Copenhagen are highlighted in this deliverable.

**Keywords:**

Dissemination, IPv6 Cluster, IST2002, Publication, Website.

# Revision History

The following table describes the main changes done in the document since started.

<b>Revision</b>	<b>Date</b>	<b>Description</b>	<b>Author (Organization)</b>
v1.0	26/12/2002	Document creation.	Sathya Rao (Telscom)
v1.1	27/01/2003	Revision after the technical meeting.	Sathya Rao (Telscom)
v1.2	14/02/2003	Revision after the Dec. progress report.	Sathya Rao (Telscom)
v1.3	09/03/2003	Contents and authors from previous docs. PSC review and final changes.	Jordi Palet (Consulintel)

# Executive Summary

The Euro6IX project started its activity even before it started officially on January 2002, with several important dissemination activities.

The website was created also just before the start of the project and is both IPv4 and IPv6 compatible with an access to all latest IPv6 related information, the public deliverables of the project and links to all important IPv6 related activities known within IST and other foras.

The results of the project have been presented in several international events. The complete list of attended conferences and events, trials carried out, and practical experiments, is available in this document.

Euro6IX project also took active role in the clustering events and is one of the driving forces in organizing the IPv6 Cluster project demonstration booth in IST2002.

Global IPv6 Summits organized around the world are considered as a good platform to reach the targeted audience for the Euro6IX project and hence the project has participated in almost all IPv6 Summits.

The IPv6 Task Force is another important group where Euro6IX project members are active in achieving consensus based IPv6 development and deployment discussions and have contributed to several strategic documents.

The close collaboration achieved between 6NET and Euro6IX was clearly demonstrated during IST2002 with a collaborative work in providing the European wide native IPv6 connectivity among the partners to demonstrate the IPv6 applications.

Euro6IX project is also very active in standardization activity in IETF and RIPE groups. The project proposed neutral exchange based address allocation system to RIPE.

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## 1. INTRODUCTION

This document compiles all the relevant dissemination activities realized during the 1<sup>st</sup> year of the project.

The information is already included in the periodically monthly reports, but here is collated as a single information source, for public dissemination.

## 2. DISSEMINATION ACTIVITIES

### 2.1 Dissemination Activities in the 1<sup>st</sup> Quarter

The deliverable D5.1 summarized the activities for the first 3 months of the project, which are reproduced below as part of annual activities.

The dissemination activities have the responsibility of awareness creation of IPv6 deployment related issues among all actors involved in the operational needs of IPv6 networks. This group will be supporting the activities of several organization and fora, related to IPv6 development and deployment. Examples of this are the IPv6 Forum, IPv6 Task Force, Next Generation Networks Initiative, ETSI, ISOC, IETF, 3GPP, 3GPP2, ...

This group organizes timely events/workshops jointly with important organizations and professional events organizers with targeted participants, to direct the dissemination for maximum impact.

#### 2.1.1 Press Releases

The project issued a press release during the IST2001 conference that was widely circulated before the official start of the project. It was also sent out to many international press agencies and IPv6 related foras.

The project also demonstrated its commitment to cooperation with the 6NET project, by jointly issuing another press release.

The third press release was made during the Madrid 2002 Global IPv6 Summit (13-15<sup>th</sup> March).

#### 2.1.2 Project Website

The main dissemination tool of the project is the project website. The domain names euro6ix.org, euro6ix.com and euro6ix.net have been registered and all these lead to the same web site [www.euro6ix.org](http://www.euro6ix.org).

The project web site is established and is continuously updated with the results of the project. The website has been submitted to most of the important search engines and to the portals, so that any visitor to one of the linked portals can easily access the Euro6IX website for more information.

The site has both public and private space. The public space will have project related public information, links to related sites such 6NET, IPv6 Cluster, IPv6 Forum, standards group such as IETF among others. In addition to all these public information, all public deliverables are being made available on this site so that visitors can download the deliverables of their interest, by registering as users. All these users profiles will be maintained in the users group and whenever major changes are made with news, deliverables, events, etc. all these users will be notified in the form of news flash.

## 2.2 Euro6IX-6NET Joint IPv6 Workshop

Deliverable D5.5 provided the report of joint workshop organized by 6NET and Euro6IX projects.

The Joint 6NET/Euro6IX Workshop was held on 5<sup>th</sup> June 2002 in conjunction with the TERENA Networking Conference in Limerick, Ireland. The objective was to publicize the 6NET and Euro6IX project activities, as well as discuss IPv6 developments elsewhere, including the activities of IST IPv6 projects in the framework of IPv6 cluster. It also provided an opportunity for feedback from the European research networking community.

### 2.2.1 Agenda of the Workshop

<b>09.00-10.30</b>	<b>Chair: Valentino Cavalli</b>
6NET: An IPv6 Test-bed for the European Community	Bruno Ciscato, Cisco
Euro6IX: The Pan-European IPv6 IX Backbone	Jordi Palet Martínez, Consulintel
European Initiatives on IPv6	Bernhard Fabianek, European Commission
IP Standards Update	Steve Deering, Cisco
<b>11.00-12.30</b>	<b>Chair: Jordi Palet Martínez</b>
Security Services on IPv6 Networks: PKIv6 and IPv6-VPNs	Antonio F. Gómez Skarmeta, U. of Murcia
ISABELv6	Juan Quemada, Madrid Technical U.
Internet2 IPv6 Update	Guy Almes, Advanced Systems
<b>14.00-15.30</b>	<b>Chair: Sathya Rao</b>
User projects expectation from IPv6 backbone network	Sathya Rao, Telscom
IPv6 Multimedia Adaptive Apps in the Framework of MIND	Pedro Ruiz, Agora System
IPv6 Services in LONG Network	Carlos Ralli Ucendo, TID
Security Architectures for Mobile IPv6	Thomas Scheffler, T-Systems Nova
IPv6 in the IST @Hom project	Paolo Pastorino, Telecom Italia Lab
<b>16.00-17.15</b>	<b>Chair: Jane Butler</b>
6WiN: IPv6 in DFN	Christian Müller-Böhm, U. of Münster
IPv6 and the Internet Applications Suite	Harald Alvestrand, Cisco
<b>17.15-18.00</b>	<b>Chair: Jane Butler</b>
Panel Session	Harald Alvestrand, Steve Deering, Bernhard Fabianek & Jordi Palet Martínez

**Figure 2-1: 6NET-Euro6IX Joint Workshop Agenda**

The detailed of the report of this joint workshop can be found in deliverable D5.5.

## **2.3 Other Dissemination Activities**

### **2.3.1 Enhanced Website**

The project website “[www.euro6ix.org](http://www.euro6ix.org)” has been upgraded to be compatible with both IPv4 and IPv6. The contents are regularly updated, so that interested persons can get latest information from the project on-line. The public deliverables are made available to the interested parties.

### **2.3.2 Additional Press Releases**

During the second part of the year 2 press releases were made.

The press release in May 2002 was related to the first Euro6IX connectivity between Portugal and Spain.

During IST2002, in November 2002, another press release was published related the first stage of Euro6IX network deployment.

### **2.3.3 Euro6IX in IPv6 Cluster/6LINK Newsletter**

Each newsletter of IPv6 Cluster had the latest information of Euro6IX project, since the project is an active partner of IPv6 Cluster and has close links to all IST projects related to IPv6. The Newsletter archive can be found at the website [www.ist-ipv6.org](http://www.ist-ipv6.org).

### **2.3.4 IPv6 Global Summits**

IPv6 Forum events are used for reaching the marketing people and users groups to inform on the advantages of IPv6 networks and applications and the work in progress in the Euro6IX project.

The project has participated, since started, in all the IPv6 Summits, either directly funded by the project or Euro6IX partners active in IPv6 Forum as Technical Directorate members or invited speakers.

### **2.3.5 IETF Events**

IETF technical meetings are followed from the Euro6IX projects for influencing the standards from the experiences of work done in the project. These events are also used to disseminate the project activities among the experts participating in the event, as well as to get feedback on the ongoing work in different organizations around the world.

The project has participated in all the IETF events even before the project started, with several partners frequently attending, partially funded by the project. The meeting activities are reported in the IPv6 Cluster standardization reports released after every meeting from 6LINK project including the contributions from Euro6IX project partners, which can be seen at [www.ist-ipv6.org](http://www.ist-ipv6.org) website.

### **2.3.6 Publications and Conferences**

Project members also published some of the project results in journals and conference proceedings. The important journal to cite is the special issue of IEEE Communications Magazine, in which 3 papers have been published.

Number of papers was presented in the European and International conferences during this first year of the project with early results.

<b>Date</b>	<b>Location</b>	<b>Topic</b>	<b>Participants</b>
07/07/2001	Seoul	IPv6 Forum Seoul Proceedings	Jordi Palet (Consulintel)
01/01/2002	Madrid	RedIRIS Newsletter	Jordi Palet (Consulintel)
01/01/2002	Madrid	Comunicaciones World	Jordi Palet (Consulintel)
04/01/2002	Madrid	Computer World	Jordi Palet (Consulintel)
05/01/2002	Tokyo	IPv6 Council Journal —Japan	Jordi Palet (Consulintel)
11/01/2002	Madrid	Mundo Internet 2002	Jordi Palet (Consulintel)
15/02/2002	Madrid	Comunicaciones World	Jordi Palet (Consulintel)
18/02/2002	Taipei	MONET	Jordi Palet (Consulintel)
27/02/2002	Madrid	IPv6 Summit CD-ROM	Jordi Palet (Consulintel)
01/03/2002	US	NIST and Internet2	Antonio Skarmeta (UMU)
19/03/2002	US	IPv6 Tech Directorate	Jordi Palet (Consulintel)
01/04/2002	Tenerife	Euro6IX Presentation	Jordi Palet (Consulintel)
01/04/2002	MD —US	Annual PKI Research Workshop	Oscar Cánovas Antonio Gómez (UMU)
01/05/2002	Geneva	Euro6IX Presentation	Jordi Palet (Consulintel)
01/05/2002	Geneva	Euro6IX Presentation	Jordi Palet (Consulintel)
01/05/2002	Beijing	Euro6IX Presentation	Jordi Palet (Consulintel)
01/05/2002	Yaroslavl	Euro6IX Presentation	Jordi Palet (Consulintel)
05/06/2002	Madrid	Euro6IX project	César Olvera (Consulintel)
25/06/2002	Madrid	Euro6IX Project and other IPv6 issues	IEEE
27/06/2002	Madrid	Euro6IX project and other IPv6 issues	Jordi Palet (Consulintel)
05/06/2002	Madrid	Euro6IX project	César Olvera (Consulintel)
25/06/2002	Madrid	Euro6IX Project and other IPv6 issues	IEEE
27/06/2002	Madrid	Euro6IX project and other IPv6 issues	Jordi Palet (Consulintel)
01/07/2002	Seoul	Euro6IX Presentation	Jordi Palet (Consulintel)
01/07/2002	Valencia	Euro6IX Presentation	Jordi Palet (Consulintel)
01/07/2002	Murcia	Euro6IX and mobility aspects	Alvaro Vives (Consulintel)
24/07/2002	Brussels	Euro6IX Updated Status Presentation	Jordi Palet (Consulintel)
02/08/2002	Gran Canaria	Euro6IX Presentation	Jordi Palet (Consulintel)
05/08/2002	Valencia	Euro6IX Presentation (2)	Jordi Palet (Consulintel)
17/09/2002	California	Euro6IX Project and other IPv6 issues	Jordi Palet (Consulintel)
30/09/2002	Paris	IPv6 for Messaging Systems for IPv6 Conference, organized by Renater	Xiang Fei (UoS)
22/10/2002	Heidelberg	Euro6IX Project updated status overview	Jordi Palet (Consulintel)
30/10/2002	Paris	IPv6 Conference, organized by Renater, a paper on IPv6 for Messaging Systems	Xiang Fei (UoS)
30/10/2002	Paris	Euro6IX Project updated status overview	Jordi Palet (Consulintel)
07/11/2002	Madrid	SIMO	Miguel Angel Díaz (Consulintel)

14/11/2002	Leganes	Moby Dick Workshop	César Olvera (Consulintel) Miguel Angel Díaz (Consulintel)
28/11/2002	Nice	Eurecom-Hitachi-Motorola Symposium	Jordi Palet (Consulintel)
03/12/2002	Paris	Updated Status of Euro6IX Project for Deploying IPv6 Networks Conference	Jordi Palet (Consulintel)
03/12/2002	Paris	The UMU-PKIPv6 Security Service for Upper Side Deploying IPv6 Networks Conference	Gregorio Martínez (UMU)
03/12/2002	Paris	VPNs over IPv6 for IPsec Global Summit 2002	Gregorio Martínez (UMU)
03/12/2002	Paris	The Design and Implementation of an IPsec Policy-Based Network Management System for IPsec Global Summit 2002	Gregorio Martínez (UMU)
07/12/2002	Cracow	IPv6, 3GPP and IPv6 projects/status	Jordi Palet (Consulintel)

**Figure 2-2: Papers from the Euro6IX Project**

### 2.3.7 Events Attended

Date	Location	Topic	Participants
21/06/2001	Brussels	Concertation meeting	Jordi Palet (Consulintel)
22/06/2001	Brussels	NGN-I meeting	Jordi Palet (Consulintel)
25/06/2001	Brussels	IPv6 Task Force Meeting	Jordi Palet (Consulintel)
26/06/2001	Madrid	IIR IPv6 Conference	Jordi Palet (Consulintel)
07/07/2001	Seoul	Seoul IPv6 Forum	Jordi Palet (Consulintel)
04/09/2001	Lancaster	IMDS 2001 Event —Lancaster University	Jordi Palet (Consulintel)
12/09/2001	Barcelona	IPv6 Cluster Meeting	Jordi Palet (Consulintel)
03/10/2001	Prague	RIPE 40, IPv6 WG	Jordi Palet (Consulintel)
24/10/2001	Madrid	UPM Workshop: Next Generation Internet	Jordi Palet (Consulintel)
25/10/2001	Pamplona	RedIRIS Technicals Workshops	Jordi Palet (Consulintel)
11/22/2001	Paris	Upper Side Event: IPv6 Deployment	Jordi Palet (Consulintel)
28/11/2001	Valencia	UPV workshop & IPv6 Tutorial	Jordi Palet (Consulintel)
04/12/2001	Yokohama	Global IPv6 Summit Japan 2001	Patrick Cocket (6WIND)
11/01/2002	Madrid	ACE —IPv6 workshop	Jordi Palet (Consulintel)
14/01/2002	Geneva	SITA —IPv6 Workshop	Jordi Palet (Consulintel)
15/01/2002	Amsterdam	RIPE 41	David Kesens (Nokia) on behalf of Jordi Palet (Consulintel)
22/01/2002	Bangalore	IPv6 Forum India, towards sponsorship and linkage	Jordi Palet (Consulintel)
23/01/2002	Bangalore	Bangalore IPv6 Summit	Jordi Palet (Consulintel)
24/01/2002	Bangalore	Meeting with ETRI Korea towards sponsorship and linkage	Jordi Palet (Consulintel)
25/01/2002	Bangalore	Meeting with Compaq, towards sponsorship and linkage	Jordi Palet (Consulintel)
01/04/2002	Tenerife	Sustainable Grown EC event	Jordi Palet (Consulintel)
01/04/2002	MD —US	Annual PKI Research Workshop	Oscar Cánovas & Antonio Gómez (UMU)
01/05/2002	Amsterdam	RIPE 42	Raffaele D'Albenzio (TILAB)
06/05/2002	Geneva	ITU	Jordi Palet (Consulintel)
07/05/2002	Geneva	SITA & EQUANT	Jordi Palet (Consulintel)
08/05/2002	Beijing	OneWorld WG IPv6 Forum	Jordi Palet (Consulintel)
09/05/2002	Beijing	China Global IPv6 Summit	Jordi Palet (Consulintel)
14/05/2002	Brussels	FP6 workshop	Jordi Palet (Consulintel)
16/05/2002	Madrid	Spanish IPv6 Task Force Kick-off meeting	Jordi Palet (Consulintel)
21/05/2002	Yaroslavl	Russia IPv6 Summit	Jordi Palet (Consulintel)
28/05/2002	Brussels	FP6 Workshop	Jordi Palet (Consulintel)
14/06/2002	Brussels	IPv6 Cluster	Several Partners
20/06/2002	Washington	INET2002	Jordi Palet (Consulintel)
11/07/2002	Seoul	IPv6 Summit	Jordi Palet (Consulintel)

23/07/2002	Valencia	Euro6IX Presentation	Jordi Palet (Consulintel)
24/07/2002	Murcia	Euro6IX mobility aspects	Alvaro Vives (Consulintel)
24/07/2002	Brussels	IPv6 Cluster meeting	Jordi Palet (Consulintel)
02/08/2002	Gran Canaria	FICIT 2002	Jordi Palet (Consulintel)
05/08/2002	Valencia	Valencia Campus Party 2002	Consulintel, TID, UPM
12/09/2002	Brussels	IPv6 Task Force	Several Partners
17/09/2002	California	UCI	Jordi Palet (Consulintel)
01/10/2002	Brussels	All-IPv6 Meeting	Tim Chown (UoS) Jordi Palet (Consulintel)
22/10/2002	Heidelberg	Eurescom Summit 2002	Jordi Palet (Consulintel)
26/10/2002	Los Angeles	Internet 2 Fall Meeting (presented on 6NET and European IST activities in the scope of GEANT, including Euro6IX).	Tim Chown (UoS)
29/10/2002	Paris	IPv6 Conference organized by Renater	Xiang Fei (UoS) Jordi Palet (Consulintel)
04/11/2002	Copenhagen	IST2002 and several related meetings	Several Partners
06/11/2002	Copenhagen	IPv6 Cluster meeting	Several Partners
07/11/2002	Madrid	SIMO	Miguel Angel Díaz (Consulintel)
14/11/2002	Leganés	Moby Dick Workshop	César Olvera (Consulintel) Miguel Angel Díaz (Consulintel)
28/11/2002	Nice	Eurecom-Hitachi-Motorola Symposium	Jordi Palet (Consulintel)
03/12/2002	Paris	Upper Side, Deploying IPv6 Networks Conference	Jordi Palet (Consulintel) Gregorio Martínez (UMU)
03/12/2002	Paris	IPsec Global Summit 2002	Gregorio Martínez (UMU)
07/12/2002	Cracow	ATAMS 2002 Conference	Jordi Palet (Consulintel)
09/12/2002	Bern	Swiss IPv6 Task Force meeting	Sathya Rao (Telscom)
10/12/2002	Brussels	SB3G and Concertation	Jordi Palet (Consulintel)
16/12/2002	Japan	EC Delegation to Japan and IPv6 Summit	Jordi Palet (Consulintel)

### 2.3.8 Events Organization

Euro6IX project has both network and applications to demonstrate the advantages for adopting IPv6 for early deployment. Euro6IX project has taken an active role in bringing user groups to demonstrate the IPv6 network and applications. The Madrid 2002 Global IPv6 Summit was the first event where the project actively supported the IPv6 network deployment to disseminate the events on IPv6 native streaming through the use of ISABEL application which reached multiple sites of Europe either in a native IPv6 mode or in a tunnel mode.

The next major applications demonstration was done in Valencia in close collaboration with LONG project involving over 1200 users/PCs connected in a native IPv6 network and creating a big IPv6 traffic. This experiment went very well with researchers and students for using IPv6 in their normal work.

The Euro6IX project is an active e member project of IPv6 Cluster. Under the umbrella of the cluster, the IPv6 applications were demonstrated at IST2002, with Euro6IX and 6NET backbone networks supporting the remote centers. Many user projects used this opportunity to use the native IPv6 network and demonstrate the results of their projects to the distinguished guests of the IST2002 event in Copenhagen. This resulted to the realization among many visitors the readiness of IPv6 technology for deployment.

### **2.3.9 Miscellaneous Dissemination Activities**

The IPv6 Task Forces are another major interest group where many partners are active in promoting the IPv6 issues among different actors. In this context partners are promoting national level IPv6 Task Force, to bring the momentum of IPv6 technology awareness and deployment. Spanish, Swiss IPv6 Task Forces are already established, as a result of such promotion.

Also partners are very active in organizing the company level and national level events addressing the IPv6 issue.

The project proposed a new business model and neutral exchange based address allocation scheme, to allow users to connect to independent ISPs without the need of changing their addressing schemes. This proposal received a major attention and the project has been allocated the project level AS address for experimenting this new business model.

### **3. SUMMARY AND CONCLUSIONS**

The Euro6IX project dissemination, liaison, linkage and relative activities are progressing even much better than expected, with a considerable effort of awareness creation to all the project R+D aspects, via numerous and very frequent presentations around the world.

## 4. ANNEXES

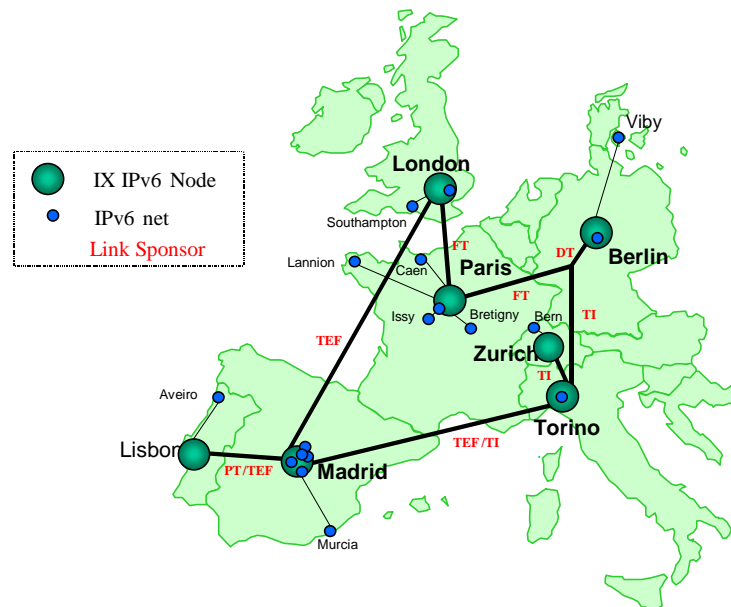
### 4.1 Euro6IX Spain/Portugal – Press release

#### First IPv6 connection between Spain and Portugal

Telefónica and Portugal Telecom have established last Wednesday, 29 May 2002, the first international connection between European operators based on IPv6, the Internet new generation protocol. The link consists of a native IPv6 connection between Madrid and Lisbon with 34 Mbps capacity using ATM transport technology.

This link fits in the field of Euro6IX project, co-financed by the Fifth Framework of the European Community for Information Technologies (IST-FP5).

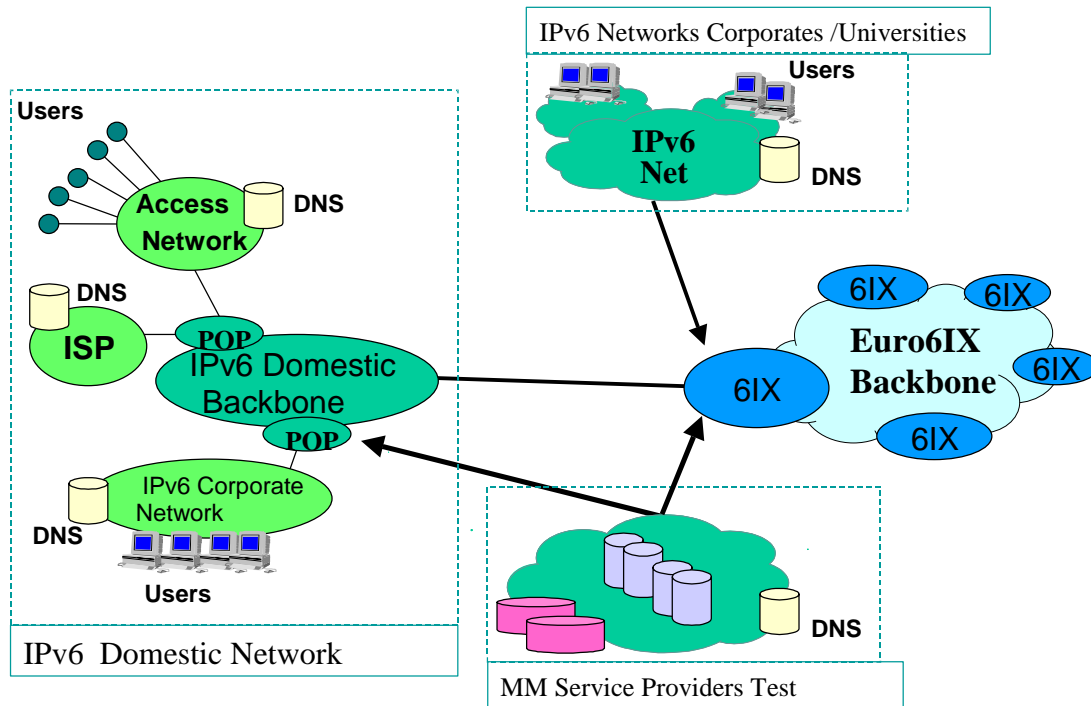
Within this line of work, telecommunication operators of the Euro6IX consortium will deploy during June and July a set of analogous connections as the next picture shows.



Euro6IX consortium is made up of 17 partners, between which there are manufacturers, consulting corporate, universities and R&D centres of different countries operators such as Spain, Portugal, France, United Kingdom, Germany, Belgium, Switzerland, Italy and Denmark. The project lasts for three years and has begun last January 2002.

The main objective of Euro6IX is to encourage the introduction of IPv6 technology in Europe, establishing for that purpose a IPv6 Pan-European pre-commercial network called “*European IPv6 Internet Exchanger’s Backbone*” (Euro6IX).

The Euro6IX net consists of an exchanger backbone of IPv6 traffic. IPv6 networks of several participants with trial services and users will connect each of these exchanger nodes.



IETF (*Internet Engineering Task Force*) has developed in the last ten years the IPv6 protocol with the aim of replacing IPv4, current Internet protocol. The main reason is the lack of addresses. IPv4 has an address space of 32 bits while IPv6 offers an address space of 128 bits.

This lack of addresses worsens as a consequence of the development of mobile networks, cable modems and DSL (*Digital Subscriber Line*). These technologies will be used in combination with services that require public IP addresses, unique and global, such as video-conferencing, voice over IP, surveillance systems, etc.

## 4.2 Euro6IX IST2002 – Press release

### EUROPEAN IPv6 INTERNET EXCHANGES (Euro6IX)

#### Native Pan-European IPv6 Network Ready

**MADRID, November 4, 2002** – The Euro6IX project has completed the 1<sup>st</sup> stage of the deployment of the first Pan-European pre-commercial IPv6 Internet Exchanges Network, connecting several regional and strategic neutral IPv6 Internet Exchange points across Europe.

Several links of this network had been partial or totally funded by the Telcos involved in the project, making available to the partners extra resources that will allow the increase of the research and development activities.

“Telefónica I+D is aware that IPv6 could soon become a key issue in the deployment of Next Generation Networks and services, so the Euro6IX project results are expected to define a clear strategy towards the IPv6 Internet, where breaking new services and concepts will appear”, state Carlos Ralli, IPv6 Project manager at TID.

“Euro6IX will help Europe and the rest of the world in the task to speed-up IPv6 deployment. Euro6IX is key towards this goal, supporting also research activities from several other projects, and providing the bridge for further cooperation. The complete establishment of the network is a very important milestone, and now we will be able to stress it with specific experiments that never had been done before, including the first attempt to try the new type of exchange-based aggregation talked about in RFC2374 (An IPv6 Aggregatable Global Unicast Address Format)”, emphasized Jordi Palet, Consulintel CTO.

The Euro6IX network is also connected with 6NET, in order to foster mutual experimentation and collaboration.

Euro6IX partners cover most of the European territory: Spain (Consulintel, Écija & Asociados Abogados, novaGnet systems, Univ. of Murcia, Univ. Polytechnic of Madrid, Telefónica I+D and Vodafone), UK (BTexact Technologies, Univ. of Southampton), Italy (Telecom Italia Lab), Denmark (Ericsson Telebit), France (6WIND, France Telecom RD), Germany (T-Systems Nova), Portugal (Portugal Telecom Inovação), Belgium (Eurocontrol) and Switzerland (Telscom).

Further information is available on the project Web Site ([www.euro6ix.net](http://www.euro6ix.net)). Also the project coordinating team can be contacted at [info@euro6ix.net](mailto:info@euro6ix.net) or directly through the Project Coordinators:

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### 4.3 The Euro6IX Project @ IST2002

## The Euro6IX Project @ IST2002 4<sup>th</sup> – 6<sup>th</sup> November 2002 in Copenhagen

### Introduction

IST 2002 was a 3-day conference with 4500 m<sup>2</sup> exhibition area of research results and much more, held at the Bella Center (Copenhagen in Denmark) and organized by the Information Society Directorate of the European Commission.

Its main purpose was to build-up the community of researchers in IT and communications disciplines and to offer many structured opportunities for participants to network with others sharing their research interests.

In this direction IST 2002 was the right place to show the efforts of the European projects that were launched within the 5th framework and hence also the right place to demonstrate the objectives and the results, the Euro6IX project has reached within its first 10 month of project lifetime.

### Euro6IX @ IST2002

The objectives of the Euro6IX project at the IST 2002 were to demonstrate the achievements and the efforts, the project has reached within its first 10 month, as well as to show the interested customers, which features IPv6 will bring to them and which possibilities for new customer services an IPv6 Internet exchange will create for ISPs and Telcos.

Hence all the IPv6 demonstrations of the Euro6IX project at the IST 2002 were mainly oriented to IPv6-based services and applications which will be implemented and supported in future IPv6 Internet Exchanges, like the Isabel video conferencing, Secure PKI-based Network Access and Communication, Network Management, Instant Messaging and much more interesting presentations.

Several interesting demonstration scenarios were established and connected to Euro6IX partner's home sites using the Euro6IX backbone and the IST IPv6 network uplink to the LON6IX POP in London, which was sponsored by the 6net project. Hence all demonstrations were based on a pan-European IPv6 networking infrastructure and gave the exhibitors the possibility to demonstrate their applications on a native long distance IPv6 IX network.

All demonstrations were supported and illustrated by demonstration specific posters and an overall Euro6IX poster drew the attention of the customers to the Euro6IX booth as well as to the booths of the other IPv6 IST projects.

The whole time, the IST lasted, very skilled engineers and Euro6IX project members were available to answer the customers questions and to demonstrate the specific scenarios, like for instance IPv6 Videoconferencing with the University of Murcia or IPv6 Network Management of the Euro6IX interconnections between the IXs (PAR6IX, LON6IX, MAD6IX, LIS6IX) of the Euro6IX project.



In this direction the Euro6IX project successfully organized and provided the whole native IPv6 infrastructure for the IST2002 Conference.

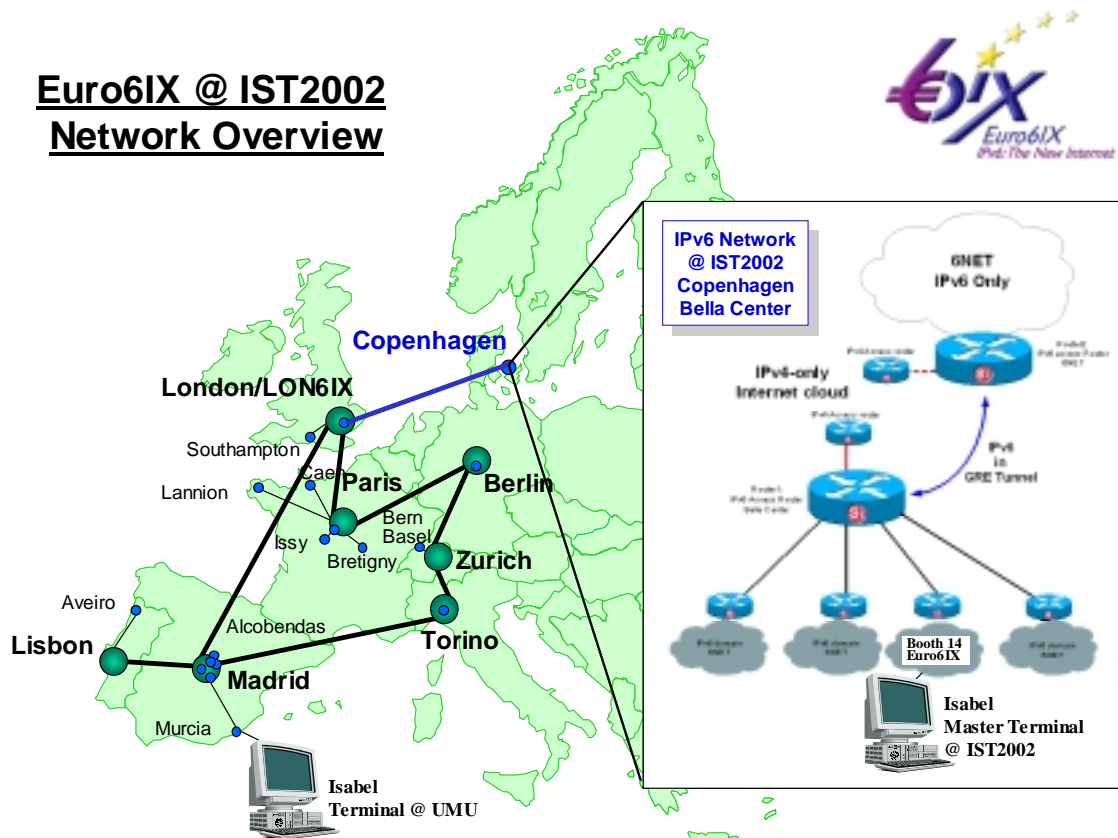


Figure 4-3: Euro6IX Networking Architecture and Isabel Demonstration

## Results

IST2002 gave the Euro6IX project, as well as the other IPv6 related projects, a good possibility to demonstrate how the future IPv6-based Internet will behave and what IPv6 will bring to ISPs, companies and end customers. Lots of interesting talks with customers and experts from other working areas took place and the IST 2002 was a great place to meet people and make some networking, not only for IPv6.

The Euro6IX project demonstrated very convincingly the status of the Euro6IX backbone network and the whole IPv6 infrastructure of the project as well as some of the applications and services, which were developed and implemented within the project.

The possibility to use IPv6 on the IST2002 conference every time and everywhere can be counted as a major achievement of the Euro6IX project and shows which standards the following IST conferences will have to fulfill.

From Euro6IX point of view it could be stated that IST2002 was a big Success for the Project and for IPv6 as well.