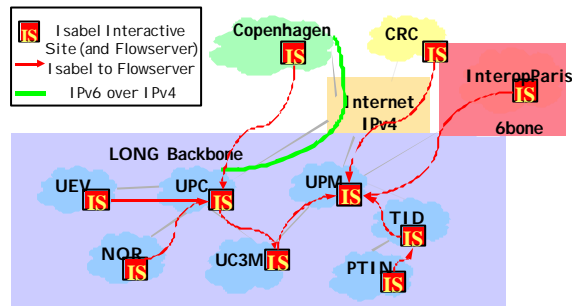


## IST 2002 Copenhagen

ISABEL is an example of application over IPv6 and IPv4.



ISABEL at IST 2002

Other applications also shown at IST event are Video Streaming, Afoto (IPv6 Mail), IRC, WWW and several tools (LDAP, FTP, etc.) shown through the IPv4 Web page.

IPv6 advanced network services and the number of available addresses provides a good environment for new broadband and mobile applications.

For more information about LONG at IST 2002 event, please visit:

<http://www.ist-long.com/long/ist/ist.html>.

**LONG** (Laboratories Over Next Generation Networks)

**Contract number:** IST-1999-20393

**Starting date:** December 1st, 2000.

**Duration:** 24 months.

**Participants:**

Telefónica+D	Spain
Portugal Telecom Inovação	Portugal
Universidade de Évora	Portugal
Universitat Politècnica de Catalunya	Spain
Universidad Politécnica de Madrid	Spain
Universidad Carlos III de Madrid	Spain
Nortel Networks España	Spain



<http://www.ist-long.com/>  
<http://long.cacaba.upc.es/>

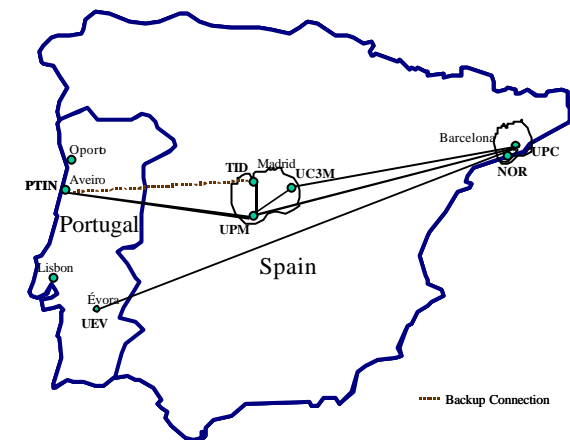
[contact@ist-long.com](mailto:contact@ist-long.com)



## Laboratories Over Next Generation Networks

LONG aims to foresee and solve problems related to the design, configuration and deployment of Next Generation Telecommunication networks specially when new services and applications are carried out across them.

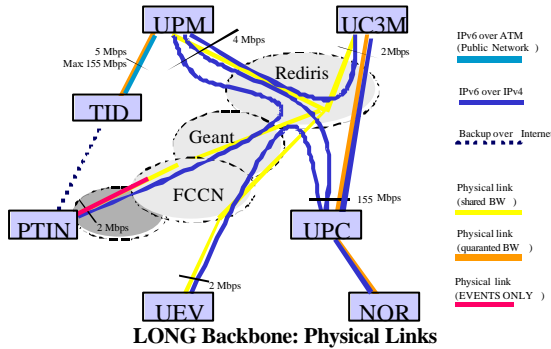
To achieve this goal LONG is focused on the interconnection of IPv6 Laboratories.



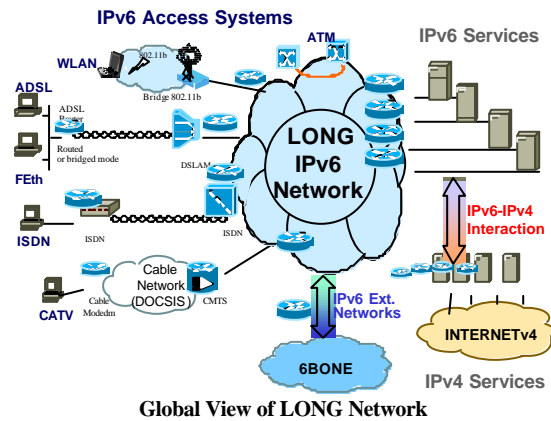
LONG Backbone: Logical Links

# LONG INFRASTRUCTURE

Partners at LONG are connected either using IPv6 over the Physical Layer or using Transition Mechanisms such as Configured Tunnels.

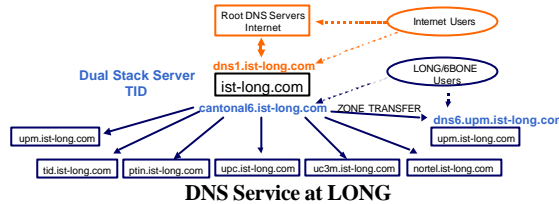


The LONG IPv6 Network consists of the partners' IPv6 laboratories networks, which include different Access Systems and IPv6 Services.

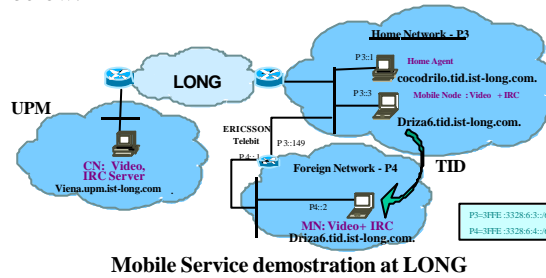


# NETWORK SERVICES

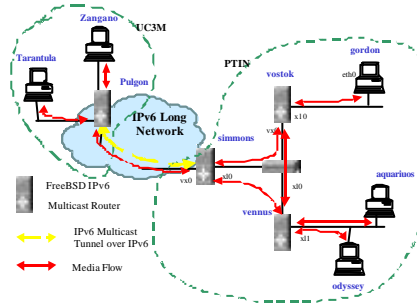
Current DNS scheme deployed in LONG.



Advanced Network Services (mobility, multicast, QoS and Security) are being studied within the frame of LONG project: two examples are shown below.



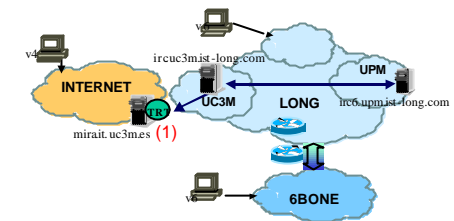
Mobile Service demonstration at LONG



Multicast stable Service at LONG

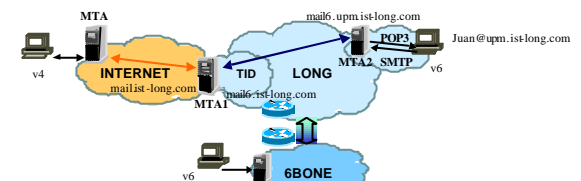
# USER SERVICES

LONG has experienced several IPv6 services such as WWW, FTP, LDAP, Mail, IRC and Network Games. The main objective is to build a set of IPv6 services accessible also from both IPv6 and IPv4 Internet.



IRC Service at LONG

The IRC service at LONG uses TRT Translation Mechanism to allow all type of users to chat without even notice that they are connected from either IPv4 or IPv6 servers, chatting with others not using the same technology.



Mail Service at LONG

The Mail service is an example of an IPv6 service using Dual Stack. This allows users, either IPv4 or IPv6, to send mails to both types of users without worrying about the technology they are using.