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Title:	<b>Deliverable D3.3.19</b> <b>Network Usage (M19, July 2003)</b>	Document Version: 1.2
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Project Number:	Project Acronym:	Project Title:
IST-2001-32181	Euro6IX	European IPv6 Internet Exchanges Backbone

Contractual Delivery Date:	Actual Delivery Date:	Deliverable Type* - Security**:
20/08/2003	20/10/2003	R – PU

\* Type: P - Prototype, R - Report, D - Demonstrator, O - Other

\*\* Security Class: PU- Public, PP – Restricted to other programme participants (including the Commission), RE – Restricted to a group defined by the consortium (including the Commission), CO – Confidential, only for members of the consortium (including the Commission)

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Abstract:
<p>Deliverable D3.3.19 is produced when almost Euro6IX network infrastructure is up and running and services are maintained in a stable way.</p> <p>Last month a list of theses services has been declared of these services. From now to the end of the project, this list will be updated. The main goal of these documents is to report Euro6IX networks status, deployment stage and usage by internal activities as well as public events.</p>

Keywords:
Euro6IX, IPv6, Network Maps, Network Reports, Network Status, Services, Statistics, Traffic.

# Revision History

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

<b>Revision</b>	<b>Date</b>	<b>Description</b>	<b>Author (Organization)</b>
v0.1	07/10/2003	Document creation and Addition of Stat6 graphics	Jesús López (TID) Aurora Ferrández (TID)
v1.0	08/10/2003	Addition of Stable Services List, Euro6IX Web Access Statistics and Comments on GIS 2003 event	Aurora Ferrández (TID)
v1.1	09/10/2003	Comments on MRTG Statistics	Antonio Lucientes (TID)
v1.2	20/10/2003	Final review	Jordi Palet (Consulintel)

# Executive Summary

D3.3.19 deliverable has been produced in the context of activities A3.1 and A3.2.

Activity A3.1 covers the deployment of the local networks attached to the different Euro6IX IXs nodes. Activity A3.2 deals with all deployments related to Euro6IX Backbone network.

Deliverables D3.3.x are being produced every month, and this document corresponds to month number 19 (July 2003).

As a first approach, the structure of these network usage reports is the following:

- First section (Current Network Status) is intended to clarify which links have been already deployed and which concrete networks have been attached.
- Second section (Network Stability and Global Traffic Reports) is intended to show the reachability of all network sections as well as a global view of the total traffic exchanged in Euro6IX network.
- Third section (Detailed Network and Services Usage in Events/Trials) is intended to show and analyze the traffic produced in some internal trials and in all public events where Euro6IX contributes in any way.

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## 1. INTRODUCTION

Euro6IX network monthly reports are intended to show network and services evolution, current status, stability and usage.

Since D3.3.15 (March 2003 Network Monthly Report), an updated list of stable services per partner will be included in this document.

Only stable and operational services are listed, since there are other lists for specific trials/tests within A4.1, A4.2 & A4.3 including also unstable services.

## 2. CURRENT NETWORK STATUS

This section is intended to update and clarify which links have been already deployed and which concrete networks have been attached to Euro6IX backbone.

### 2.1 Remarkable News Related to Euro6IX Network & Services

In this period (July 2003, M19) the relevant news include:

- LIS6IX-MAD6IX-LON6IX-PAR6IX-BER6IX-TOR6IX-ZUR6IX link connectivity established.
- LIS6IX, LON6IX, BER6IX, TOR6IX and MAD6IX have successfully configured the routing policy RPv0.4.
- PAR6IX has some problems due to tagging conflicts when implementing routing policy and ZUR6IX has started to learn about Euro6IX RPv0.4.
- MAD6IX got connected to the M6Bone using a Cisco router and not a BSD box so that it becomes possible to configure the service for other partners.

### 2.2 Status of International Links

The updated status of the links is as follows:

- **LIS6IX-MAD6IX:** Up and running.
- **MAD6IX-LON6IX:** Up and running.
- **LON6IX-PAR6IX:** Up and running.
- **PAR6IX-BER6IX:** Up and running.
- **BER6IX-TOR6IX:** Up and running.
- **TOR6IX-ZUR6IX:** Up and running.
- **TOR6IX-MAD6IX:** Not configured yet.

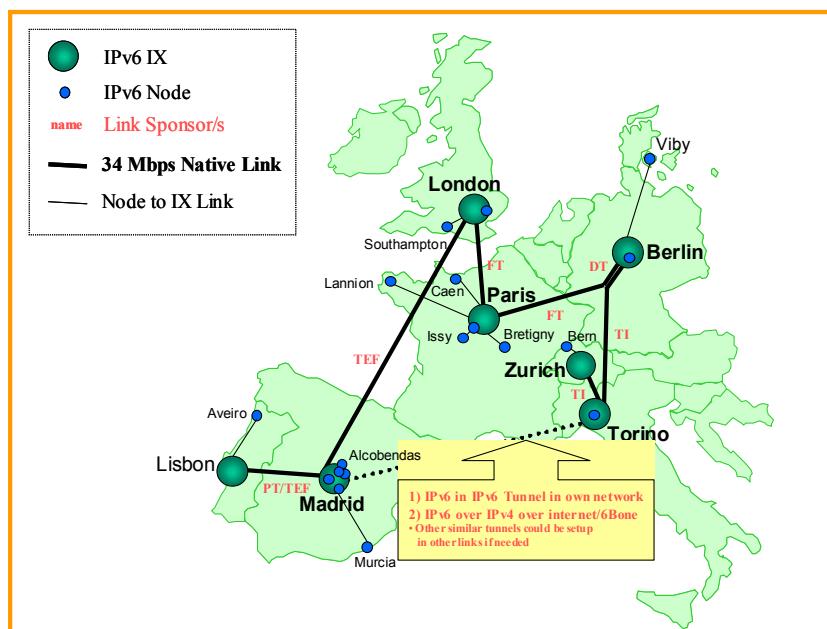


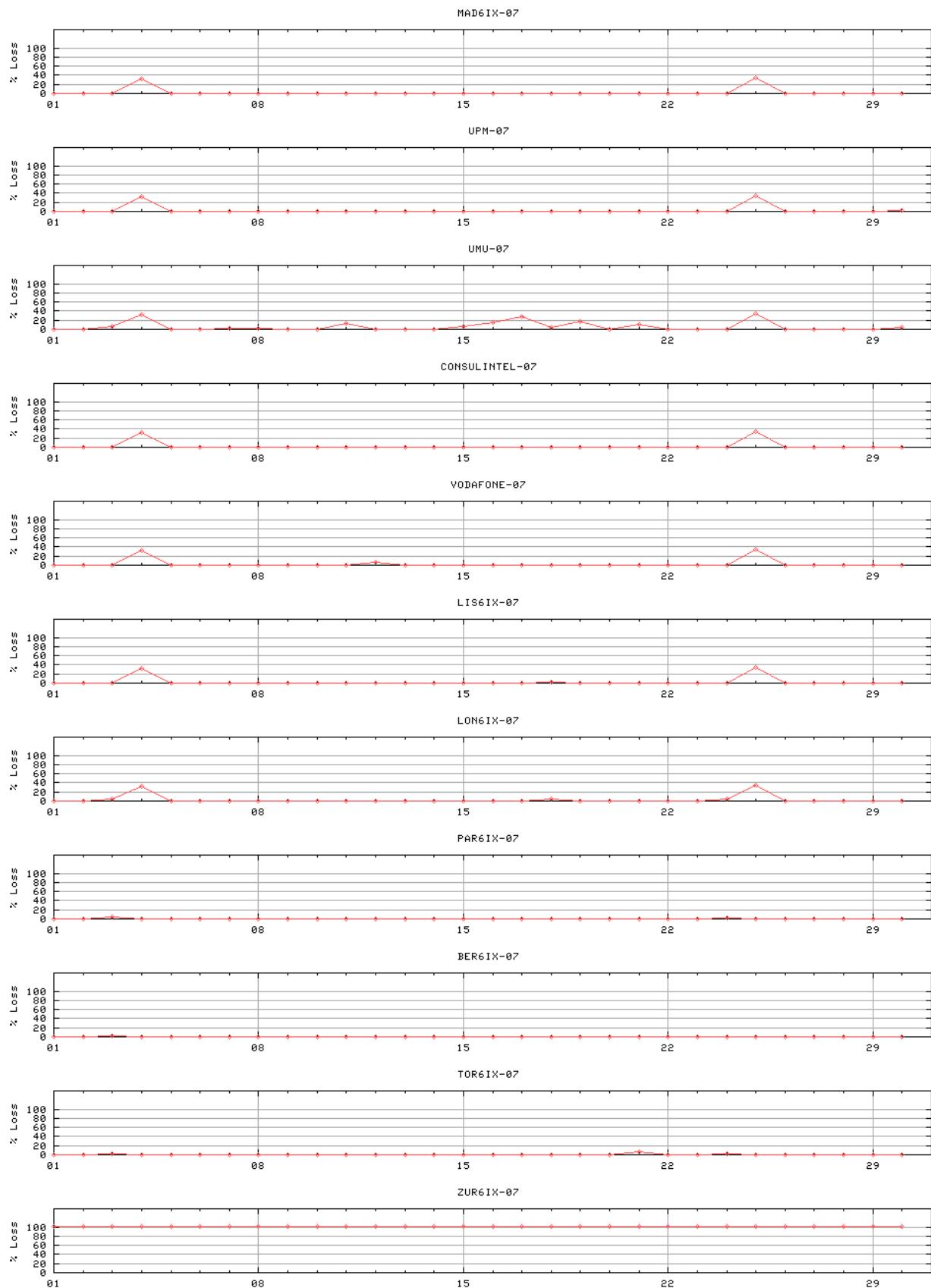
Figure 2-1: Planned Euro6IX International Links as of July 2003

### 3. NETWORK STABILITY AND GLOBAL TRAFFIC REPORTS

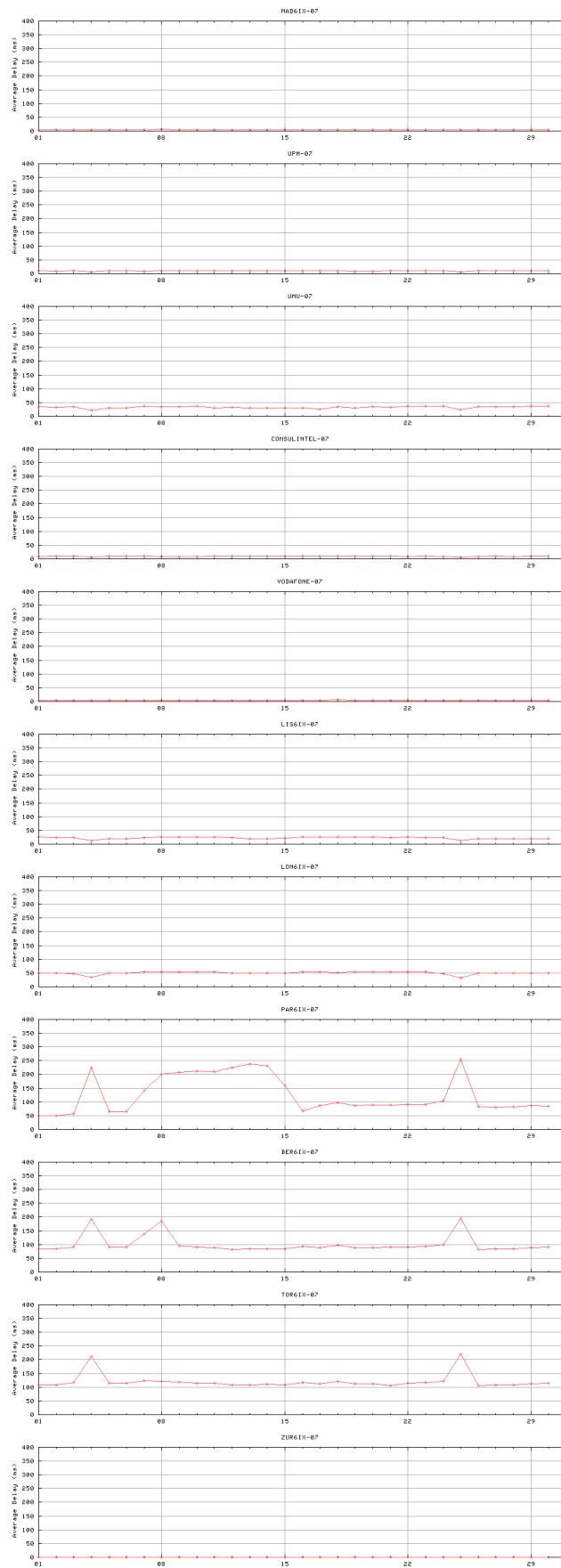
The following subsections show the global statistics systems that have been identified as necessary to characterize the Euro6IX network stability and usage each month.

#### 3.1 Hosts/Networks Reachability Statistics from TID

The “ping\_stat” tool , or simply “stat6”, automatically generates these statistics from TID premises (<http://stat6.tid.euro6ix.org/>). This system allows through the WEB interface to display any day or month graphic on demand.



**Figure 3-1: Euro6IX IXs LOSS Measured from TID Premises in July 2003**



**Figure 3-2: Euro6IX IXs DELAY Measured from TID Premises in July 2003**

### 3.2 Links Traffic Measurement Statistics

Until today, only an IPv4 MRTG tool has been installed in TID premises. When nGn porting of MRTG to IPv6 is installed, other partners will install it obtaining useful link traffic statistics.

Although MRTG IPv4 is used at TID, it measures only IPv6 traffic since it is configured to show all ATM interface throughputs and there is no IPv4 traffic on those ATM PVCs.

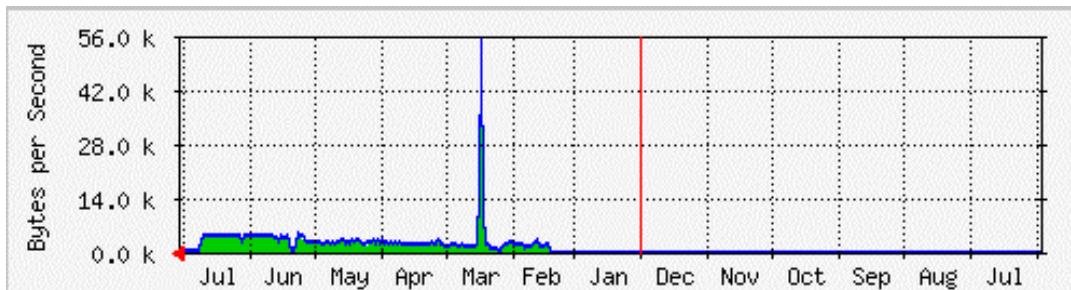


Figure 3-3: Monthly Graph, IPv6 Traffic, TID to Euro6IX (July 2003)

As seen in the graphics above, there is about 10 Kbytes/s traffic from TID to Euro6IX and vice-versa (symmetric) due to some M6Bone and Magalia tests. Blue means TID to Euro6IX and Green is Euro6IX to TID. There is a traffic increment due to more use of the network from some experimental users. There is too more traffic due to some test of other partner's services.

### 3.3 Euro6IX Servers List and Stability Statistics

This section is an updated list (end of July 2003) of the stable services running in Euro6IX network.

#### 6WIND

Server	URL IPv6	URL IPv4	Recommended Client
Web	<a href="http://www.6wind.euro6ix.org">www.6wind.euro6ix.org</a>		IPv6 Web Browser
Webmail	<a href="https://Proxy.ipv6.6wind.com">https://Proxy.ipv6.6wind.com</a>	<a href="https://Proxy.6wind.com">https://Proxy.6wind.com</a>	
Web proxy	<a href="http://www.6wind.euro6ix.org">www.6wind.euro6ix.org</a>	Proxy.6wind.com	

#### BT

Server	URL IPv6	URL IPv4	Recommended Client
Web	<a href="http://www.uk6x.com/">http://www.uk6x.com/</a>	<a href="http://www.uk6x.com/">http://www.uk6x.com/</a>	IPv6 Web Browser
Looking Glass	<a href="https://lg.ipv6.btexact.com/">https://lg.ipv6.btexact.com/</a>	<a href="https://lg.ipv6.btexact.com/">https://lg.ipv6.btexact.com/</a>	IPv6 Web Browser
Nagios	<a href="http://www.uk6x.com/nagios/">http://www.uk6x.com/nagios/</a>	<a href="http://www.uk6x.com/nagios/">http://www.uk6x.com/nagios/</a>	IPv6 Web Browser
Quake 1 and Quake 2	quake1.ipv6.btexact.com quake2.ipv6.btexact.com	V4 access via Ultima	Quake

<b>Server</b>	<b>URL IPv6</b>	<b>URL IPv4</b>	<b>Recommended Client</b>
	quake.ipv6.btexact.com		
Video Streaming	<a href="http://vod.ipv6.btexact.com">http://vod.ipv6.btexact.com</a>	V4 access via Ultima	VLC
MP3 Streaming	<a href="http://radio.ipv6.btexact.com:8000/">http://radio.ipv6.btexact.com:8000/</a>	V4 access via Ultima	Winamp ( <a href="http://www.uk6x.com/applicationservices/radio.m3u">http://www.uk6x.com/applicationservices/radio.m3u</a> ) Windows Media 9 ( <a href="http://www.uk6x.com/applicationservices/radio.asx">http://www.uk6x.com/applicationservices/radio.asx</a> ) mpeg123 for Unix Systems xmms for Unix and Linux Systems Freeamp, now called zinf is a multimedia player for Linux or Windows systems. It has been tested under Linux and Windows 2000/XP. VLC
Tunnel Broker		<a href="https://tb.ipv6.btexact.com/">https://tb.ipv6.btexact.com/</a>	
GPRS Access	<a href="http://www.uk6x.com/networkservices/gprs.html">http://www.uk6x.com/networkservices/gprs.html</a>		
6to4		6to4.ipv6.bt.com	

### Consulintel

<b>Server</b>	<b>URL IPv6</b>	<b>URL IPv4</b>	<b>Recommended Client</b>
Web	<a href="http://www.consulintel.euro6ix.org">www.consulintel.euro6ix.org</a> (.com, .net)	<a href="http://www.consulintel.euro6ix.org">www.consulintel.euro6ix.org</a> (.com, .net)	IPv6 Web browser
Euro6IX Official Web	<a href="http://www.euro6ix.com">www.euro6ix.com</a> <a href="http://www.euro6ix.org">www.euro6ix.org</a> <a href="http://www.euro6ix.net">www.euro6ix.net</a>	<a href="http://www.euro6ix.com">www.euro6ix.com</a> <a href="http://www.euro6ix.org">www.euro6ix.org</a> <a href="http://www.euro6ix.net">www.euro6ix.net</a>	IPv6 Web Browser
Web Site Statistics	<a href="http://www.consulintel.euro6ix.net/_private_euro6ix/statistics/statistics.htm">http://www.consulintel.euro6ix.net/_private_euro6ix/statistics/statistics.htm</a>	<a href="http://www.consulintel.euro6ix.net/_private_euro6ix/statistics/statistics.htm">http://www.consulintel.euro6ix.net/_private_euro6ix/statistics/statistics.htm</a>	IPv6 Web Browser
Project Repository	<a href="http://ftp.euro6ix.org">ftp://ftp.euro6ix.org</a>	<a href="http://ftp.euro6ix.org">ftp://ftp.euro6ix.org</a>	IPv6 Web Browser
Web Mail Tool	<a href="http://webmail.novagnet.euro6ix.org/">http://webmail.novagnet.euro6ix.org/</a>	<a href="http://webmail.novagnet.euro6ix.org/">http://webmail.novagnet.euro6ix.org/</a>	IPv6 Web Browser
Video Streaming	<a href="mms://6stream.consulintel.euro6ix.com/">mms://6stream.consulintel.euro6ix.com/</a>		Windows Media 9
DNSSec	<a href="https://pki.umu.euro6ix.org">https://pki.umu.euro6ix.org</a>		IPv6 Web Browser
Free Radius IPv6	6radius.consulintel.euro6ix.org		

FTRD

<b>Server</b>	<b>URL IPv6</b>	<b>URL IPv4</b>	<b>Recommended Client</b>
Webcam	webcam.ftrd.euro6ix.org		
Proxy Web	proxy.ftrd.euro6ix.org		
Quake2	quake2.ftrd.euro6ix.org		Quake
Teg	teg.ftrd.euro6ix.org (not running yet)		

nGn

<b>Server</b>	<b>URL IPv6</b>	<b>URL IPv4</b>	<b>Recommended Client</b>
Web	www.novagnet.euro6ix.org		IPv6 Web Browser
Project Repository	<a href="ftp://ftp.euro6ix.org">ftp://ftp.euro6ix.org</a>		IPv6 Web Browser
Web Mail Tool	<a href="http://webmail.novagnet.euro6ix.org/">http://webmail.novagnet.euro6ix.org/</a>		IPv6 Web Browser

PTIN

<b>Server</b>	<b>URL IPv6</b>	<b>URL IPv4</b>	<b>Recommended Client</b>
Web	www.ptin.euro6ix.[com/org/net] www6.ptin.euro6ix.[com/org/net]		IPv6 Web Browser (IE, Netscape, Mozilla)
Chat/IRC	irc.ptin.euro6ix.[com/org/net] irc6.ptin.euro6ix.[com/org/net]		IPv6 Chat Client (kvirc an xchat)
Jabber	jabber.ptin.euro6ix.[com/org/net]		Gabber
Quake 1 and Quake2	quake.ptin.euro6ix.[com/org/net]		Quake I and Quake II
MP3 Streaming	mp3server.ptin.euro6ix.[com/org/net]		FreeAMP
Audio Streaming	rat.ptin.euro6ix.[com/org/net]		Rat
Video Streaming	vic.ptin.euro6ix.[com/org/net]		Vic
6to4 router relay	6to4.ptinovacao.pt 6to4.ptin.euro6ix.[com/org/net]		
Multicast (Router)	multicast.ptin.euro6ix.[com/org/net]		
DNS (Router)	ipv6-dns.ptinovacao.pt dns.ptin.euro6ix.[com/org/net]		
Mobility (HA)	ha.ptin.euro6ix.[com/org/net] ha-in.ptin.euro6ix.[com/org/net] ha-out.ptin.euro6ix.[com/org/net]		Linux MN (draft15). no Sas (Security Associations)
Isabel	isabel.ptin.euro6ix.[com/org/net]		

T-Nova

<b>Server</b>	<b>URL IPv6</b>	<b>URL IPv4</b>	<b>Recommended Client</b>
Web	<a href="http://www.t-nova.euro6ix.org">www.t-nova.euro6ix.org</a>	www.t-nova.euro6ix.org	IPv6 Web Browser
Looking Glass/ Route Server	Accessible through Web Service		
TILAB AS-Path Tree	Accessible through Web Service		
MRTG	Accessible through Web Service		
Chat/IRC	irc.t-nova.euro6ix.org		IPv6 Chat Client
NTP	ntp.t-nova.euro6ix.org		NTP Client/ntupdate
Video Streaming	video.t-nova.euro6ix.org		Windows Media 9
Tunnel Broker	<a href="http://tb.ipv6.berkom.de">http://tb.ipv6.berkom.de</a>		Web Browser

Telscom

<b>Server</b>	<b>URL IPv6</b>	<b>URL IPv4</b>	<b>Recommended Client</b>
Web	<a href="http://www.telscom.ch">http://www.telscom.ch</a>		
MMS Video Streaming	<a href="http://dnsv6.telscom.ch:8100/me diaplayer6.html">http://dnsv6.telscom.ch:8100/me diaplayer6.html</a>		WindowsMedia
RTSP video streaming	rtsp://dss6.ipv6.telscom.ch		mp4player ( <a href="#">MPEG4IP</a> )
6Voice	<a href="http://www.telscom.ch/6voice/index.htm">http://www.telscom.ch/6voice/index.htm</a>		
DNS	dnsv6.ipv6.telscom.ch		
Home Environment	<a href="http://napoli.ipv6.telscom.ch/Telsco mHomeEnvironment">http://napoli.ipv6.telscom.ch/Telsco mHomeEnvironment</a>		
Web Proxy	proxy.ipv6.telscom.ch:8112	proxy.ipv6.telscom.ch:8112	
Tetrisnet Server	tetrisnet.ipv6.telscom.ch		
Jabber Server	jabber.ipv6.telscom.ch		
mp3 streaming	<a href="http://napoli.ipv6.telscom.ch:8000/fil e/Mango.mp3">http://napoli.ipv6.telscom.ch:8000/fil e/Mango.mp3</a>		

TID

<b>Server</b>	<b>URL IPv6</b>	<b>URL IPv4</b>	<b>Recommended Client</b>
Web	<a href="http://www.tid.euro6ix.com">www.tid.euro6ix.com</a>		IPv6 Web Browser
Web Usage Statistics	<a href="http://www.tid.euro6ix.com/usage">www.tid.euro6ix.com/usage</a>		IPv6 Web Browser
Magalia	Running at: mortadelo.tid.euro6ix.com:4444		Xges

<b>Server</b>	<b>URL IPv6</b>	<b>URL IPv4</b>	<b>Recommended Client</b>
Looking Glass	<a href="http://lg.tid.euro6ix.com">http://lg.tid.euro6ix.com</a>		IPv6 Web Browser
MRTG	<a href="http://mrtg.tid.euro6ix.org/mrtg/">http://mrtg.tid.euro6ix.org/mrtg/</a>		IPv6 Web Browser
MRTG for TID DNS	<a href="http://mrtg.tid.euro6ix.org/mrtg_dns/dns1.ist-long.com.html">http://mrtg.tid.euro6ix.org/mrtg_dns/dns1.ist-long.com.html</a>		IPv6 Web Browser
Web Statistics Tool	<a href="http://stat6.tid.euro6ix.com">http://stat6.tid.euro6ix.com</a>		IPv6 Web Browser
Chat/IRC	irc.tid.euro6ix.com		Chat IPv6 Client
Video Streaming	vod.tid.euro6ix.com:9999		VLC
Free Radius IPv6	Running at: mortadelo.tid.euro6ix.com:4444		
Digital TV Multicast	dtv.tid.euro6ix.com:1234		
Access to a Digital Home through a NAT-PT	<a href="http://hogardigital6.tid.euro6ix.com">http://hogardigital6.tid.euro6ix.com</a>		IPv6 Web Browser
Access to a Multimedia IPv4 Portal through a NAT-PT	<a href="http://cba.tid.es">http://cba.tid.es</a>	<a href="http://cba.tid.es">http://cba.tid.es</a>	IPv6 Web Browser

TILAB

<b>Server</b>	<b>URL IPv6</b>	<b>URL IPv4</b>	<b>Recommended Client</b>
Web	<a href="http://www.ngnet.it">http://www.ngnet.it</a>		
Web Statistics Tool	Running at TILAB's IPv6 laboratory		IPv6 Web Browser
TILAB AS-Path Tree	Running at TILAB's IPv6 laboratory		
Chat/IRC	irc6.ngnet.it		IPv6 Chat Client
News	news6.ngnet.it		IPv6 News Client
Mail for IPv6 Users	<a href="http://mail.ngnet.it/e/">http://mail.ngnet.it/e/</a>		IPv6 Web Browser (mail server available from Web)
Jabber	jabber.ngnet.it		
Quake 1 and Quake 2	games.ngnet.it		Quake
Tunnel Broker	<a href="http://tb.ngnet.it/">http://tb.ngnet.it/</a>		

UMU

<b>Server</b>	<b>URL IPv6</b>	<b>URL IPv4</b>	<b>Recommended Client</b>
Web	<a href="http://www.umu.euro6ix.org">www.umu.euro6ix.org</a>		IPv6 Web Browser
Looking Glass	<a href="http://www.umu.euro6ix.org/cgi-bin/router-wan/ntools.pl">http://www.umu.euro6ix.org/cgi-bin/router-wan/ntools.pl</a>		IPv6 Web Browser

<b>Server</b>	<b>URL IPv6</b>	<b>URL IPv4</b>	<b>Recommended Client</b>
	<a href="http://www.umu.euro6ix.org/cgi-bin/router-lan/ntools.pl">http://www.umu.euro6ix.org/cgi-bin/router-lan/ntools.pl</a>		
Nagios	<a href="http://nagios.umu.euro6ix.org/nagios/">http://nagios.umu.euro6ix.org/nagios/</a>		IPv6 Web Browser
Chat/IRC	<a href="http://www.uc3m.ist-long.com/irc/">http://www.uc3m.ist-long.com/irc/</a>		IPv6 Chat Client
VPN Enforcement Tool	<a href="https://shire.umu.euro6ix.org">https://shire.umu.euro6ix.org</a>		IPv6 Web Browser
PKIv6	<a href="https://pki.umu.euro6ix.org">https://pki.umu.euro6ix.org</a>		IPv6 Web Browser
DNSSec	<a href="https://pki.umu.euro6ix.org">https://pki.umu.euro6ix.org</a>		IPv6 Web Browser
PMTv6	<a href="https://shire.umu.euro6ix.org/pmt_tool">https://shire.umu.euro6ix.org/pmt_tool</a>		

UoS

<b>Server</b>	<b>URL IPv6</b>	<b>URL IPv4</b>	<b>Recommended Client</b>
Surge Radio	<a href="http://surge.ecs.soton.ac.uk:8090">http://surge.ecs.soton.ac.uk:8090</a>		

UPM

<b>Server</b>	<b>URL IPv6</b>	<b>URL IPv4</b>	<b>Recommended Client</b>
Web	<a href="http://www.upm.euro6ix.org">http://www.upm.euro6ix.org</a>	<a href="http://wamba.dit.upm.es">http://wamba.dit.upm.es</a>	
FTP	<a href="ftp://ftp.upm.euro6ix.org">ftp://ftp.upm.euro6ix.org</a>	<a href="ftp://wamba.dit.upm.es">ftp://wamba.dit.upm.es</a>	
Magalia	magalia.upm.euro6ix.org	nevada.saba.rediris.es	
Free Radius	radius.upm.euro6ix.org	nevada.saba.rediris.es	
Looking Glass	<a href="http://www.upm.euro6ix.org/cgi-bin/looking-glass-upm-v0.6/ntools.pl">http://www.upm.euro6ix.org/cgi-bin/looking-glass-upm-v0.6/ntools.pl</a>	<a href="http://wamba.dit.upm.es/cgi-bin/looking-glass-upm-v0.6/ntools.pl">http://wamba.dit.upm.es/cgi-bin/looking-glass-upm-v0.6/ntools.pl</a>	IPv6 Web Browser
Nagios	nagios.upm.euro6ix.org	nevada.saba.rediris.es	IPv6 Web Browser
Chat/IRC	irc.upm.euro6ix.org:7000	viena.saba.rediris.es:7000	IPv6 Chat Client (i.e. xchat)
Quake 2	quake2.upm.euro6ix.org	wamba.dit.upm.es	
Teg	teg.upm.euro6ix.org	wamba.dit.upm.es	
Tetrisnet	tetris.upm.euro6ix.org	wamba.dit.upm.es	
mangbad	mangbad.upm.euro6ix.org	wamba.dit.upm.es	
MRTG	<a href="http://mrtg.upm.euro6ix.org/mrtg/map_dit.html">http://mrtg.upm.euro6ix.org/mrtg/map_dit.html</a>	<a href="http://wamba.dit.upm.es/mrtg/map_dit.html">http://wamba.dit.upm.es/mrtg/map_dit.html</a>	IPv6 Web Browser
Multihoming	<a href="http://multihoming.upm.euro6ix.org/c">http://multihoming.upm.euro6ix.org/c</a>		IPv6 Web Browser

Server	URL IPv6	URL IPv4	Recommended Client
	<a href="gi-bin/looking-glass-upm-v0.6-multihoming/ntools-mh.pl">gi-bin/looking-glass-upm-v0.6-multihoming/ntools-mh.pl</a>		
Mail	mail.upm.euro6ix.org	viena.saba.rediris.es	
WebCam	<a href="http://idefix.upm.euro6ix.org/webcam.html">http://idefix.upm.euro6ix.org/webcam.html</a>	<a href="http://idefix.saba.rediris.es/webcam.html">http://idefix.saba.rediris.es/webcam.html</a>	
m6bone	m6bone.upm.euro6ix.org		
DNSSec	<a href="https://pki.umu.euro6ix.org">https://pki.umu.euro6ix.org</a>		

### Vodafone

Server	URL IPv6	URL IPv4	Recommended Client
Web	<a href="www.vodafone.euro6ix.org">www.vodafone.euro6ix.org</a>		IPv6 Web Browser

TID Euro6IX Statistics Service (“Stat6”) will show in the future the availability of some relevant or public Euro6IX IPv6 servers listed above (to be included also in <http://stat6.tid.euro6ix.org/>).

#### 3.3.1 Euro6IX Web Server Statistics

This section contains the statistics related to IPv6 accesses to Euro6IX official WEB page, that are already being logged in advance to the start of the project, so it can be processed and displayed at any time.

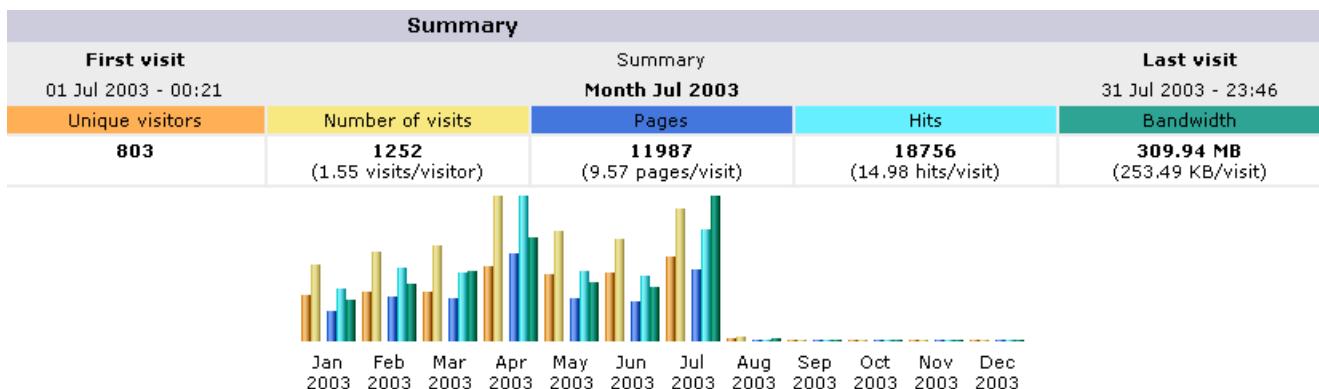


Figure 3-4: Web Usage Summary this Month and Last 12 Months

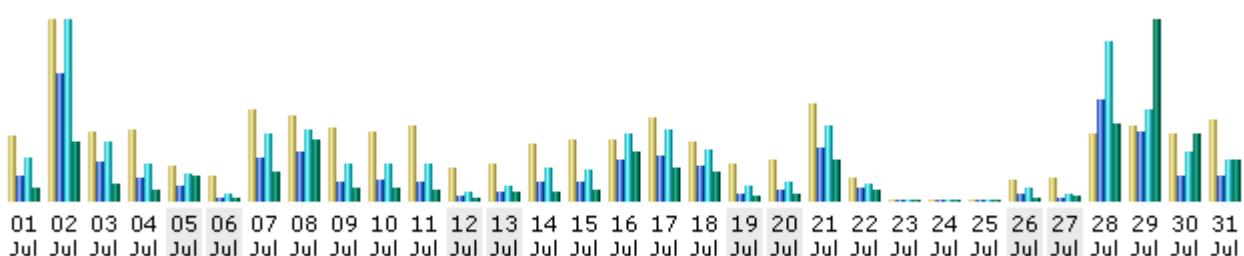
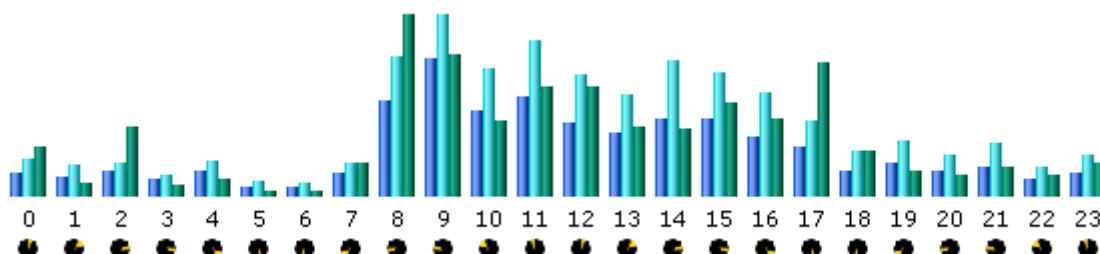


Figure 3-5: Monthly Statistics for July 2003

Day	Number of visits	Pages	Hits	Bandwidth
01 Jul 2003	46	330	581	4.71 MB
02 Jul 2003	128	1731	2469	21.69 MB
03 Jul 2003	49	536	819	6.11 MB
04 Jul 2003	50	315	509	3.96 MB
05 Jul 2003	25	209	382	9.20 MB
06 Jul 2003	18	53	108	1.15 MB
07 Jul 2003	64	589	911	10.96 MB
08 Jul 2003	60	676	986	22.57 MB
09 Jul 2003	52	256	515	4.59 MB
10 Jul 2003	49	299	508	4.72 MB
11 Jul 2003	53	272	505	4.35 MB
12 Jul 2003	24	77	131	1.24 MB
13 Jul 2003	27	130	215	3.51 MB
14 Jul 2003	41	268	447	3.48 MB
15 Jul 2003	43	273	427	3.86 MB
16 Jul 2003	44	563	909	17.94 MB
17 Jul 2003	59	612	971	12.52 MB
18 Jul 2003	42	484	688	10.57 MB
19 Jul 2003	26	85	199	2.02 MB
20 Jul 2003	29	160	262	2.44 MB
21 Jul 2003	69	723	1019	15.32 MB
22 Jul 2003	17	189	241	4.41 MB
23 Jul 2003	0	0	0	0
24 Jul 2003	0	0	0	0
25 Jul 2003	0	0	0	0
26 Jul 2003	15	88	167	1.42 MB
27 Jul 2003	16	53	107	1.77 MB
28 Jul 2003	47	1388	2189	28.70 MB
29 Jul 2003	54	948	1261	66.86 MB
30 Jul 2003	47	334	664	24.83 MB
31 Jul 2003	58	346	566	15.00 MB
Average	40.39	386.68	605.03	10.00 MB
Total	1252	11987	18756	309.94 MB

**Figure 3-6: Web Daily Usage for July 2003**



**Figure 3-7: Web Hourly Usage for July 2003**

## 4. DETAILED NETWORK AND SERVICES USAGE IN EVENTS/TRIALS

This section is intended to study and analyze the network traffic generated in the following situations:

- **Internal Trials:** Internal Euro6IX trials performed in the context of activity A4.3 will generate traffic within the Euro6IX networks. In some of these trials, the detailed study and analysis of the traffic generated could be interesting. In such cases, particular diagrams and statistics will be shown in this section although they could be included in the general statistics showed in previous sections.
- **Public Events:** After a public event has been performed, the traffic processed by the network during it must be studied and analyzed. The study must be focused in the traffic obtained as a result of this concrete event.

During July 2003 there was no relevant events with the participation of Euro6IX.

## 5. SUMMARY AND CONCLUSIONS

The contributions of all partners communicating their updates on the services deployed is helping to have a global view of Euro6IX network and to build the future beta-testers users test-bed.

The correct geographical distribution of IPv6 stable services contributes to involve all the partners in a more equal manner in project experiments and demonstrations.

Once the network is stable and there are tools to manage and control it, the next A4.2 should focus on development of attractive final-user services. WP3 will use these services developed in A4.2 to join more users to the IPv6 experience within Euro6IX. The traffic generated by these users will be measured and presented as a result of the project.