

Madrid 2002

Global IPv6 Summit

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Education, Promotion, Public Relations
and Awareness Working Group Co-Chair

IPv6 Forum

CEO/CTO, Consulintel

Consulintel
Consultores Integrales en Telecomunicaciones



Who we are ?

- > 527 people !
- > 957 registered ;-)
- From over 58 countries
- Researchers, Government, Industry, Telcos, ISPs, Application Developers, Corporate Users, SMEs, ...
- ... and the best speakers over the world ☺
- Event/site Announced: 31st December 2001

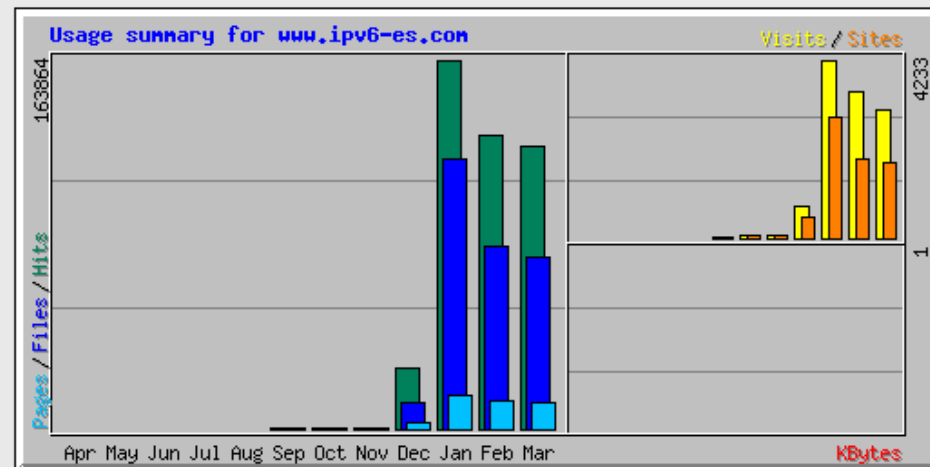
– Status at 08:00 AM – 14/03/2002 ...

Web Site Statistics

Madrid 2002 IPv6 Global Summit www.ipv6-es.com

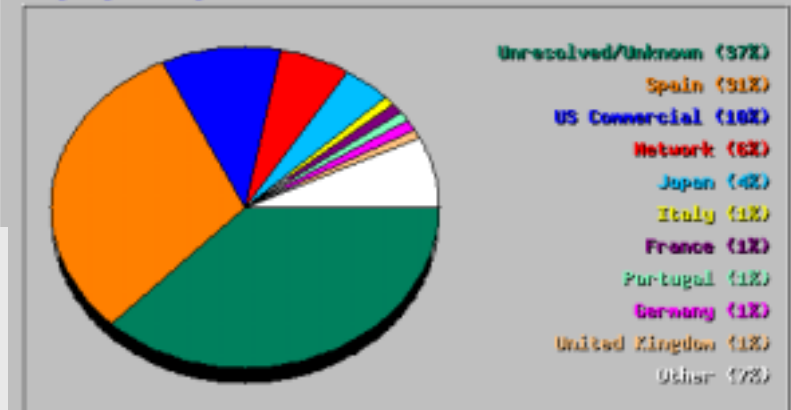
Summary Period: Last 12 Months

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Summary by Month										
Month	Daily Avg				Monthly Totals					
	Hits	Files	Pages	Visits	Sites	KBytes	Visits	Pages	Files	Hits
Mar 2002	9629	5846	900	233	1778	0	3030	11703	76001	125179
Feb 2002	4653	2891	454	124	1872	0	3498	12738	80956	130293
Jan 2002	5285	3862	488	136	2893	0	4233	15151	119740	163864
Dec 2001	865	374	90	24	516	0	748	2799	11618	26817
Nov 2001	8	6	2	2	66	0	69	84	198	246
Oct 2001	22	18	5	2	56	0	76	164	579	693
Sep 2001	4	3	2	1	7	0	7	8	12	19
Totals						0	11661	42647	289104	447111

Usage by Country for March 2002



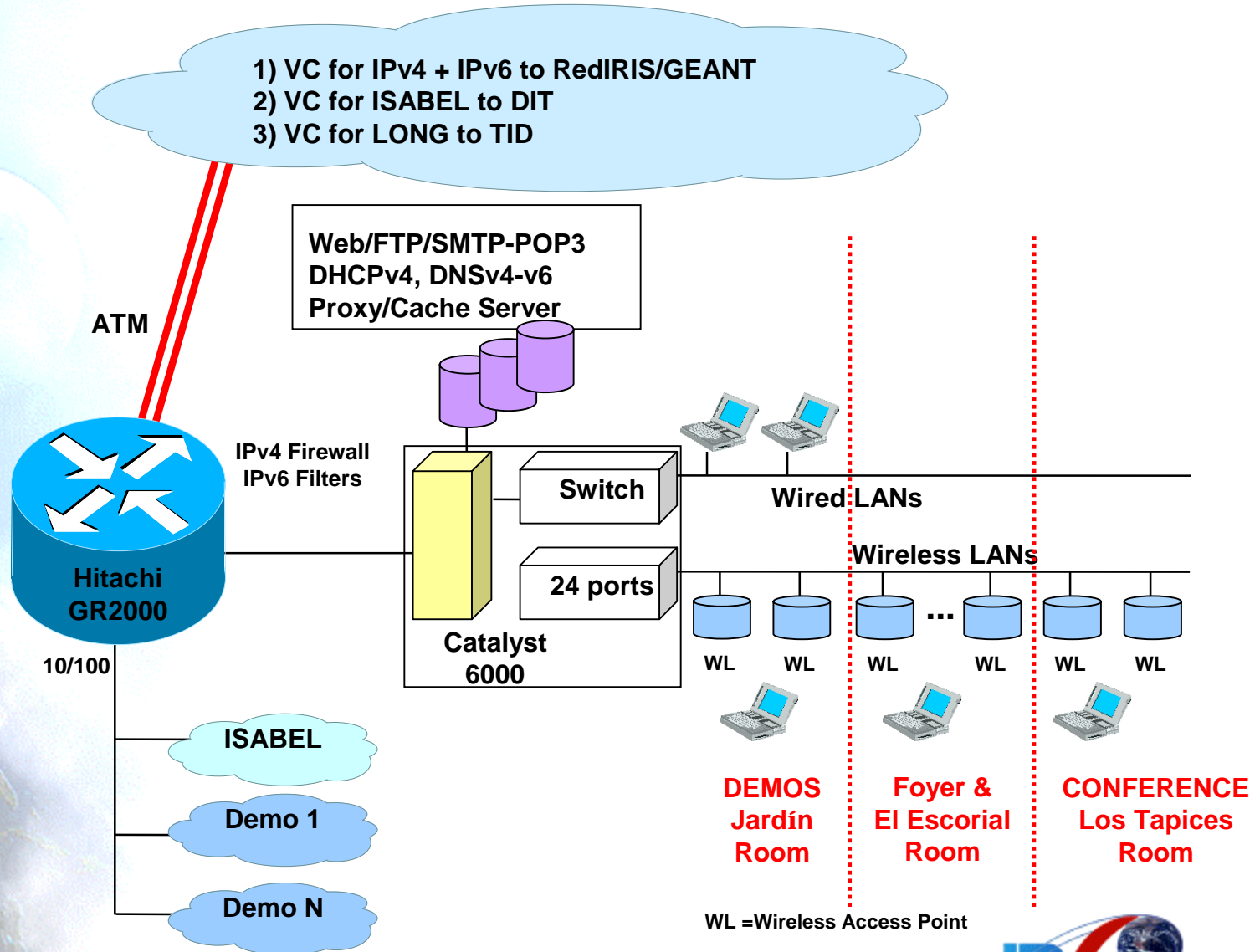
Top 30 of 51 Total Countries

#	Hits	Files	KBytes	Country			
1	46177	36.89%	27957	36.79%	0	0.00%	Unresolved/Unknown
2	38791	30.99%	23513	30.94%	0	0.00%	Spain
3	12375	9.89%	6705	8.82%	0	0.00%	US Commercial
4	7194	5.75%	5822	6.61%	0	0.00%	Network
5	4722	3.77%	2406	3.17%	0	0.00%	Japan
6	1772	1.42%	697	0.92%	0	0.00%	Italy
7	1576	1.26%	1112	1.46%	0	0.00%	France
8	1529	1.22%	591	0.78%	0	0.00%	Portugal
9	1382	1.04%	1104	1.45%	0	0.00%	Germany
10	1058	0.85%	707	0.93%	0	0.00%	United Kingdom
11	871	0.70%	578	0.76%	0	0.00%	Korea (South)
12	798	0.64%	623	0.82%	0	0.00%	Belgium
13	746	0.60%	302	0.40%	0	0.00%	Non-Profit Organization
14	726	0.58%	533	0.70%	0	0.00%	Switzerland
15	695	0.56%	469	0.62%	0	0.00%	Netherlands
16	554	0.44%	476	0.63%	0	0.00%	Sweden
17	541	0.43%	206	0.27%	0	0.00%	Turkey
18	535	0.43%	497	0.65%	0	0.00%	Mexico
19	457	0.37%	319	0.42%	0	0.00%	Czech Republic
20	314	0.25%	265	0.35%	0	0.00%	Canada
21	263	0.21%	190	0.25%	0	0.00%	Norway
22	232	0.19%	36	0.05%	0	0.00%	International (int)
23	223	0.18%	203	0.27%	0	0.00%	Taiwan
24	188	0.15%	186	0.24%	0	0.00%	US Educational
25	185	0.15%	136	0.18%	0	0.00%	US Military

The Network & Demos

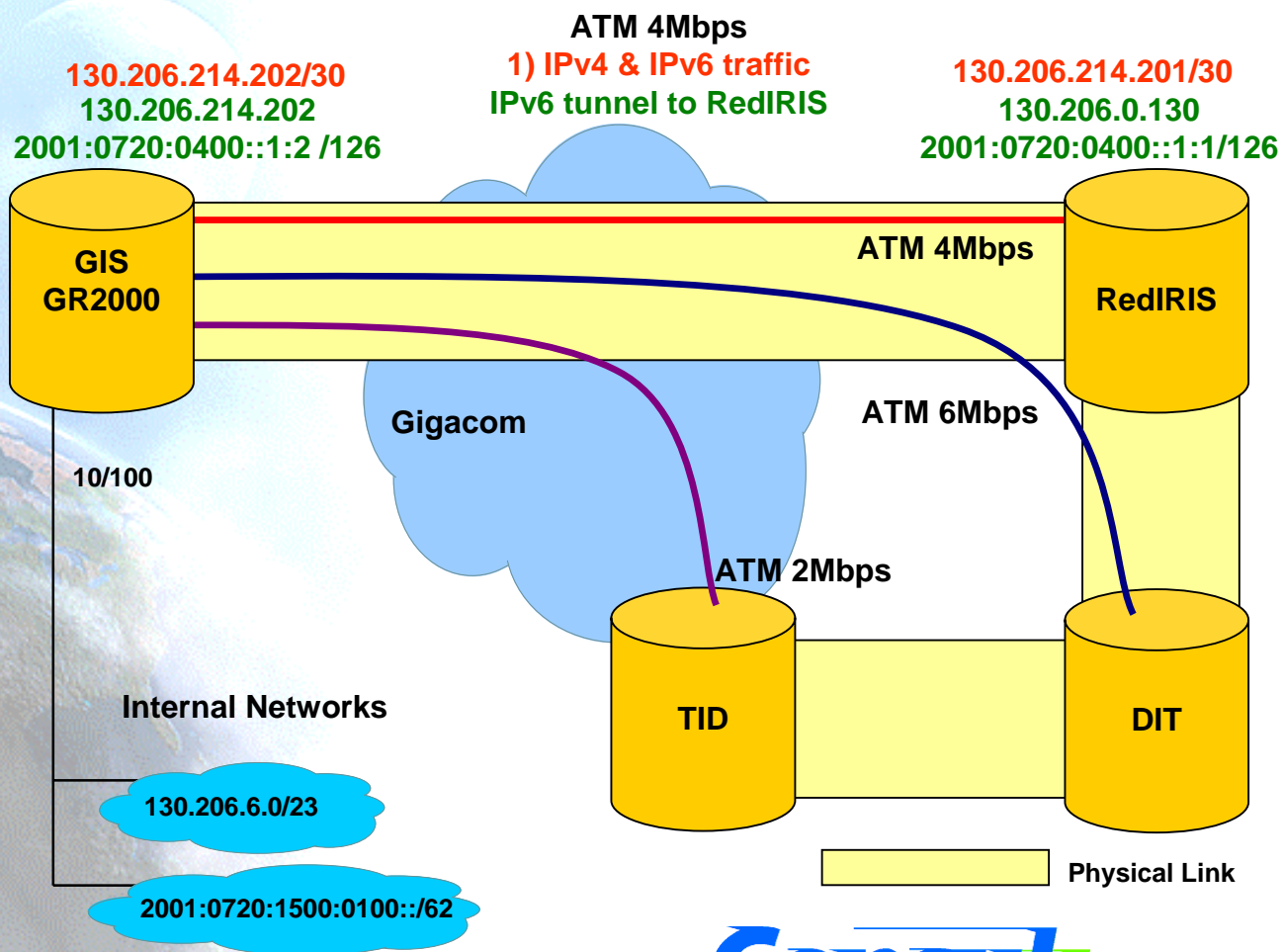
- Wired & WLAN, IPv4 & IPv6
 - More details in the CD-ROM !
- Please, visit the demos, a lot to show you and a lot that you can learn
- Use the network !
- Ask the experts:
 - we are here to help, at any time
- Bring your laptop tomorrow ;-)

Network Overview



Wan Connectivity

- 1) VC for IPv4 + IPv6 to RedIRIS/GEANT (4 Mbps)
- 2) VC for ISABEL to DIT (6 Mbps)
- 3) VC for LONG to TID (2Mbps)



- ATM 6Mbps**
- 1) IPv6 tunnel to UPC (2Mbps)
 - 2) IPv6 tunnel to PTIN (2 Mbps)
 - 3) ISABEL IPv4 traffic (2 Mbps)

RedIRIS, DIT, TID

LAN Connectivity

130.206.214.200/30

2001:0720:0400::1:0 /126

Hitachi
GR2000

10/100

ISABEL

130.206.6.16/28

LONG

130.206.6.32/28

CONSULINTEL

130.206.6.48/28

HITACHI

130.206.6.64/28

ERICSSON

130.206.6.80/28

COMPAQ

130.206.6.96/28

6WIND

130.206.6.112/28

WLAN & LAN

130.206.7.0/24

Servers

SERVICES

2001:0720:1500:0100::/64

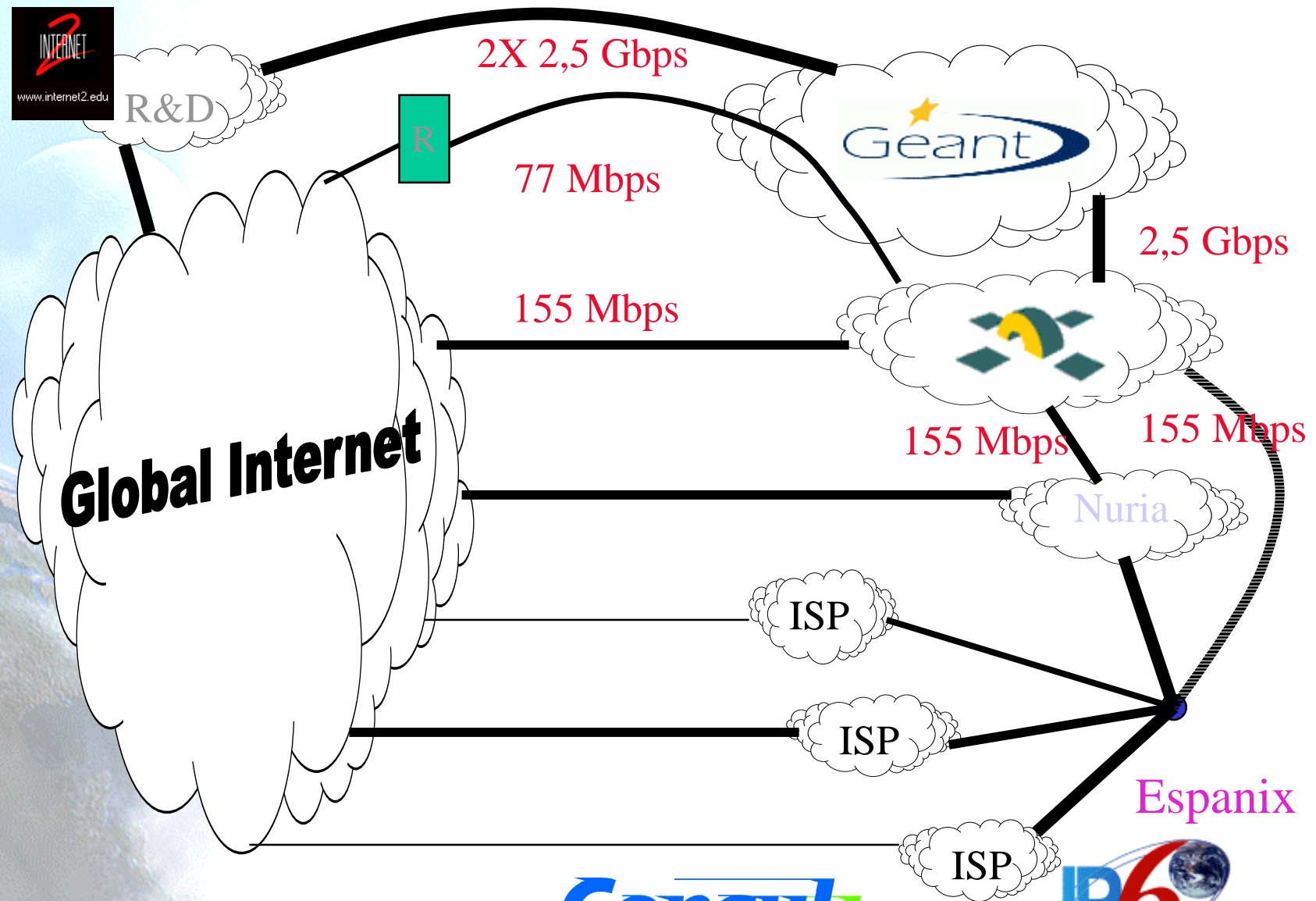
WLAN & LAN

2001:0720:1500:0101::/64

2001:0720:1500:0102::/64

2001:0720:1500:0103::/64

RedIRIS External Links



I had a dream

My clock waked-up me before expected: it's snowing and the motorway is dangerous, and most probably will be congested. My electronic assistant already turned on the coffee maker and the toaster. Also has called the taxi.

We are on the way to the airport. There is an enormous traffic jam and it will take close to an hour. Fortunately, in the taxi, I can use mi WLAN access up to 54 Mbps., to finish an important project that I need to deliver to the customer this afternoon. I'm subscribed to a service that allows me to be "always-on", using any of the media that the technology provides: radio, power line, infrared, etc. Is very comfortable and flexible; gives me the security, privacy and quality of service as never before any provider offered.

Well, at last we arrived; no need to wait for the long queue of the check-in. I bring only hand baggage, and I already confirmed my reservation from the laptop. Then, this has been automatically transmitted to mi swatch, PDA or cellular phone. Now, I just need to "show up" into the boarding pass area to be authenticated and the boarding pass certificate is generated. Biometry will complete the security check. When I don't carry electronic devices (not quite often today), it's stored into any of my credit cards, or in the new smart frequent traveler card. Soon will be stored in the new digital identity card. With this, I will be automatically identified en the boarding gate, even in the plane. For security reasons, the system allows to localize me in the airport, if I loss the plane, or even to know what seat I'm using.

Unfortunately, my baggage is too big for such small plane, so I can't hand carry it. No problem: the baggage has a small device with my personal certificate, and has received my flight information. Just leave it in any of the baggage check-in points anywhere in the airport, and the system will move it to the correct plane, without errors, never lost again!

The security control is also much easier and faster, because my electronic devices will verify my personal certificate and double-check with a biometry device.

With this check-in automation, the wait time in the airport is really short, but I also have good connectivity there. In this case, I still need to charge my laptop battery, so I use the same power cord to get connected thru the power line. The speed is amazing, up to 200 Mbps. I can attach to my office and work the same as if I really was there. It's wonderful, because since a few months, I don't need to reconfigure my laptop or the applications; is the new mobility service, and all these complicated tasks are past history.

Indeed, with this speed, I can download the last Spielberg movie, that was not able to see the last weekend; with my laptop I saw the in-flight program and the dramatic one that they will offer seems not to be my best choice.

Also I need to check if I let everything right in my home, if I had activated the security system, and if there is enough food and water for my pets; as usual,

I let too quick, and still prefer to see everything with my eyes that all the wonderful technology that I've in my hands. No problem; I connect to my home system, just need a mouse "click", and guide the cameras in order to review everything. As always, everything was OK. I don't know if I forgot any light on, but my assistance has solved it. My pets are playing and they react to my voice, recognize me and calm down. It's snowing again, and the cover was closed by the system, because nevertheless they are Nordic dogs, I feel better if they are more protected.

I'm waiting for an important telephone call, sure will be during the flight. Don't mind, as by default, the call will be redirected from my cellular to the laptop, so I can attend it in the plane. Fortunately, my hands-free kit works the same with my mobile, laptop or PDA. Now I carry fewer devices, more universal and featured with autoconfiguration.

In the plane there is connectivity, now with an infrared link, to avoid any interference with the navigation devices. Also, I can use a Gigabit connection; in the case I need a higher bandwidth.

The screen shows me a bell; is my call. The customer has to provide me the last minute instructions to finish the project. He doesn't know that I'm traveling, but he called to the office and the system transferred the call to my mobile; as this one was disconnected, the call was forwarded to my computer. The system locates me automatically and I decide to take the call or not. Also, if I wish, I can automatically send to the customer the information about where I'm, or activate the videoconference call. In this occasion, will not do that, the customer is too much formal and I don't use a suit; also, haven't accepted to tell him where I'm, because he isn't very confident with the idea of the job being done outside the office, and will get nervous.

The quality of the call was impressive; sure the customer not discovered it was from a flight. Simultaneously he sent me several Megabytes with new data, graphics and statistics. It's becoming a trouble to finish everything on time for this afternoon, but with this customer, everything is always at the last minute. It will be impossible with the versatility of the communications!

Just landed. I must get my baggage, and need to take a train for downtown. Indeed, I confirmed everything on my laptop, and the assistant instructed to forward my baggage to the correct lane, already in the train station, located next to the airport. No need to carry it through the airport. When I reach the delivery point, in a few seconds, my certificate is authenticated and my case appears.

In the train station, and also in the train itself, was able retrieve some additional documents and finish the report. Also, from the train I printed some notes, which are delivered to me in the hotel front desk; I need them for tomorrow's conference!

It's true that I might arranged to participate remotely in the conference, as I use to, but there will be a lot of people that I want to say hello in person, and

also, I will have the opportunity to sky during the weekend. I don't like "virtual" sport.

I hate to spend my time, as I prefer to exploit it at a maximum, and have some for idle activities and hobbies.

It's not a dream, it's becoming real with IPv6.

Don't mind the technology, but the freedom and services that provides. IPv6 offers freedom, mobility, life quality and security.

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- ❑ Consulintel's CEO/CTO
- ❑ IPv6 Forum Co-Chair of the Education, Awareness, Promotion and Public Relations Working Group
- ❑ Euro6IX Coordinator
- ❑ Ex-Chairman y Ex-Vice chairman of @asLAN

I had a Dream ...

- **It's not a dream,**
 - It's becoming real with IPv6
- Don't mind the technology, but the freedom and services that provides. IPv6 offers freedom, life quality, and security.

Other Projects with IPv6 ...

- IPv6 in airports !
- Showrooms
- Grids & Active Networks with IPv6
- IPv6 over Power Line
 - more coming ...
- Spanish IPv6 Task Force

The Conference

- Two intensive days
 - + one exhausting tutorial already done !
- From easy to the most difficult and best ...
- You must wait for the good things ;-)
 - May be we have some surprises ...
- The EC projects, great speakers and a very good Debate will close our event.

Finally ...

• Thanks !

- Speakers
- Sponsors
- Endorsers
- The great ISABEL team
- RedIRIS, another wonderful team
- Consulintel team, that supported my stress ;-)
- A lot of people that, sure, I'm missing !