

**INTERNATIONAL
TELECOMMUNICATIONS
UNION
ITU-D Study Group 1**

**Question 7-2/1: Regulatory policies on
universal access to broadband services**

26 November 2007



SECRETARÍA DE ESTADO DE TELECOMUNICACIONES
Y PARA LA SOCIEDAD DE LA INFORMACIÓN

Rapporteur's Group

Oscar MANIKUNDA (D.R.Congo): *Rapporteur*
Jérôme Hounkanrin (Benin): *Vice Rapporteur*
Blanca GONZALEZ (Spain): *Vice Rapporteur*

Active collaborators

P. MEGE (Thales, France)
M.-R. LEMAITRE (Ecole Pol.de Bucharest)
M. AKLI (Algeria)
A. OCHOLA (Kenya)
H. ABUBAKAR (Cameroon)
M. TALL (Senegal)
P.S. GUNDULA (Tanzania)

BDT Focal point
S. SCHORR



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Q7 Study Period 2002-2006

A. Baudrier (France): *Rapporteur*
J. Hounkanrin (Benin): *Vice Rapporteur*
B. Gonzalez (Spain): *Vice Rapporteur*

Final report :

Innovative solutions for the management and financing of Universal Service and Universal Access policies.

Available free of charge at www.itu.int/publ/D-STG-SG01/en



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Q7-2/1 Regulatory policies on universal access to broadband services

❖ Approved at World Telecommunications Development Conference held in Doha (Qatar) March 2006 (WTDC-06)

❖ «Study aspects relating to ways and means of promoting development by universal access/service, specially in respect of broadband services . Tariff structure and economic strategies must be examined in order to assess their impact on incentives to operators to invest in all areas. Unbundling of local loop access and interconnection between wired or wireless systems, as well as national roaming are also subjects that it is important to examine...»

http://www.itu.int/ITU-D/study_groups/SGP_2006-2010/documents/DEFQUEST-SG1/DEFQUEST-Q7-2-1-E.doc



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Q-7/2-1 Meeting (September 2007)

Main agenda Items:

- 1.- Contributions
- 2.-Questionnaire
- 3.-Future work programme

Documents :

www.itu.int/ITU-D/study_groups/SGP_2005-2010/SG1/SG1-Index.html



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1. Contributions

Countries providing contributions to Q7-2/1.

- **CHINA** (*Doc. 1/114*)
- **MALI** (*Doc. 1/096*)
- **VENEZUELA** (*Doc. 1/107; 1/126; 1/127*)
- **KOREA** (*Doc. 1/115*)



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2. Preliminary results from questionnaire

Questionnaire:

(Document 1/063) sent to Member States on May 2007.

Preliminary results from responses to Questionnaire:

(Document 1/109)



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Questionnaire Structure :

❖Part 1:

10 questions on definition, regulation, tariffs, regional directives, disabled.

❖Part 2:

National experiences on policies, programmes to promote access to broadband services.

❖Part 3:

Prognosis on the future of broadband universal access



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30 answers to Questionnaire....

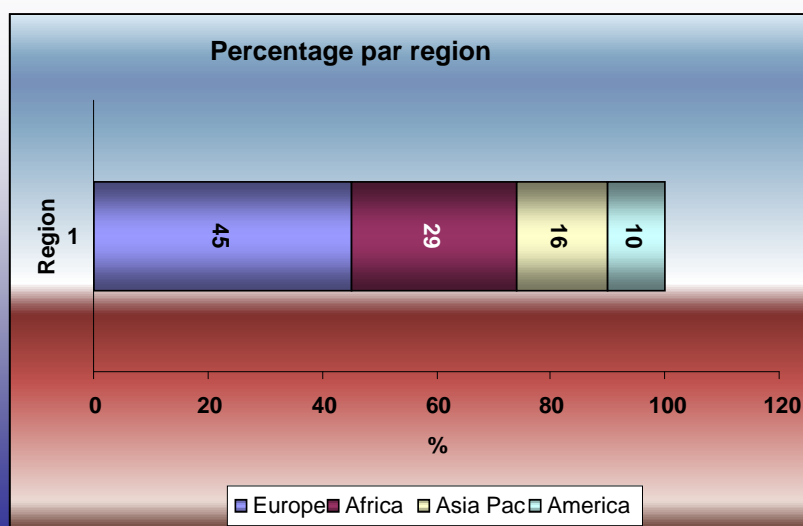
Andorra	Finland	Portugal
Antigua & Barbuda	France	Dem. Rep. of Congo
Austria	Hungary	Romania
Benin	Kenya	Spain
Bosnia Herzegovina	Lithuania	Saint-Vincent & Grenadines
Botswana	Mauritius	Switzerland
Brunei Darussalam	Mali	Turkey
Czech Rep.	Nicaragua	Ukraine
Chad	Pakistan	Tanzania
Denmark	Paraguay	Serbia



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Answers by region

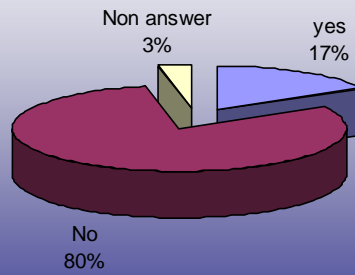


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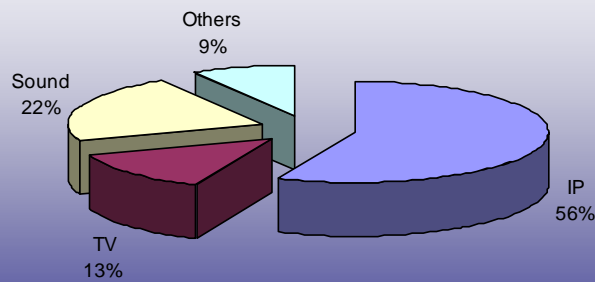
Trends

1. ... regulations use the concept of broadband in the context of universal access?



Trends (2)

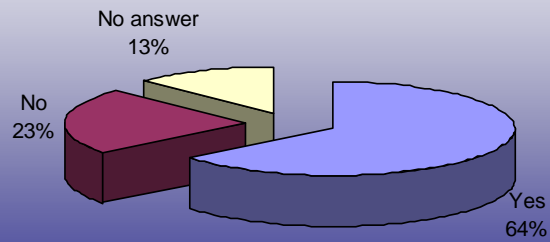
2. Services provided as part of broadband universal access.



■ IP ■ TV ■ Sound ■ Others

Trends (3)

3. public forms of broadband access?



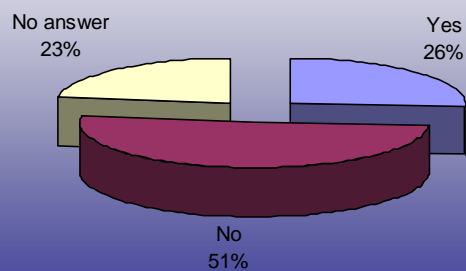
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■ Yes ■ No ■ No answer

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Trends (4)

4. legislation on interconnection between operators to facilitate broadband universal access?

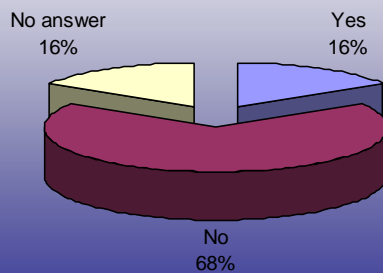


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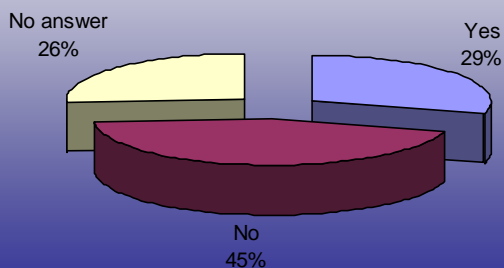
Trends (5)

5. incentives, particularly those involving tax or duty, intended to promote broadband universal access?



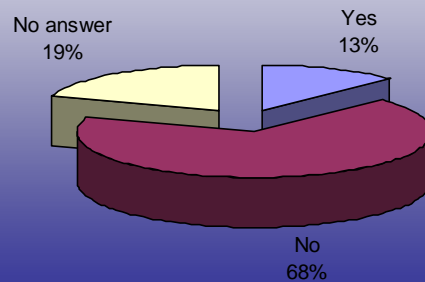
Trends (6)

6. Do national regulations take into account regional directives regarding broadband universal access?



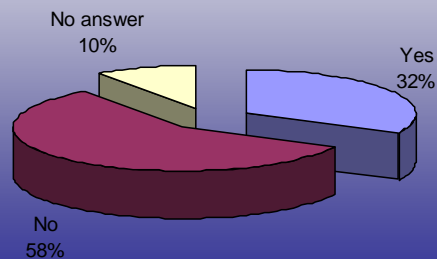
Trends (7)

7. Do national regulations take into account, for broadband universal access, the specific needs of disadvantaged people?



Trends (8)

8. ...regulatory incentives for operators to make investments in the infrastructure with a view to extending broadband to rural communities.



Trends (end)

9 ...regarding tariffs...

- Tariffs for broadband services are higher in developing countries than in developed ones.
- There are few countries where special tariffs are applied to people with special needs (disabled, disadvantaged).

Lessons from questionnaire analysis

1st lesson on broadband regulation:

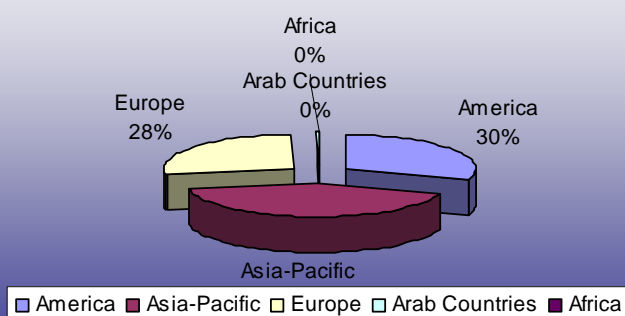
- Regulation on broadband universal access is at initial stage.
- There is a need to make changes to regulatory environment to improve broadband universal access.

Lessons from questionnaire analysis

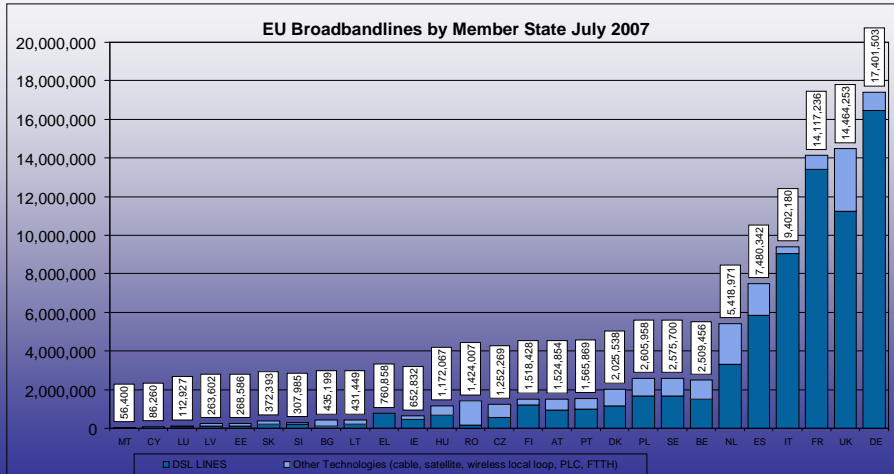
2nd lesson on specific issues related to universal access:

- Broadband services are limited in developing countries.
- There are differences between countries and/or regions.

Broadband subscribers per region (2004)

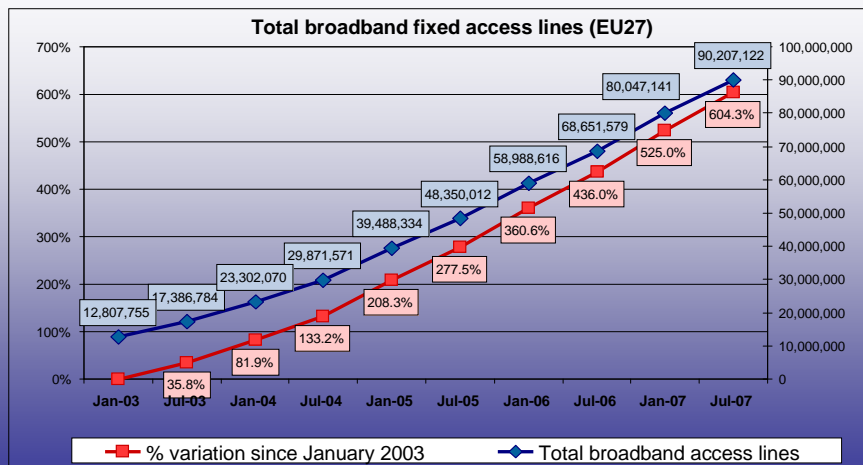


Differences among developed countries (European Union)



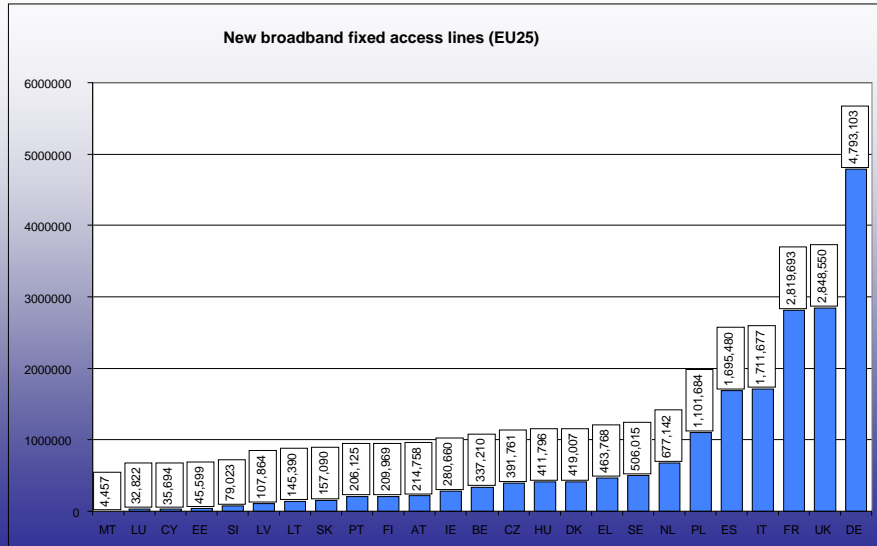
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Growth trend since January 2003



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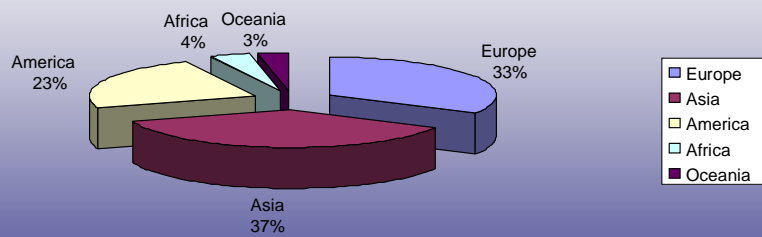
Broadband lines added, by country



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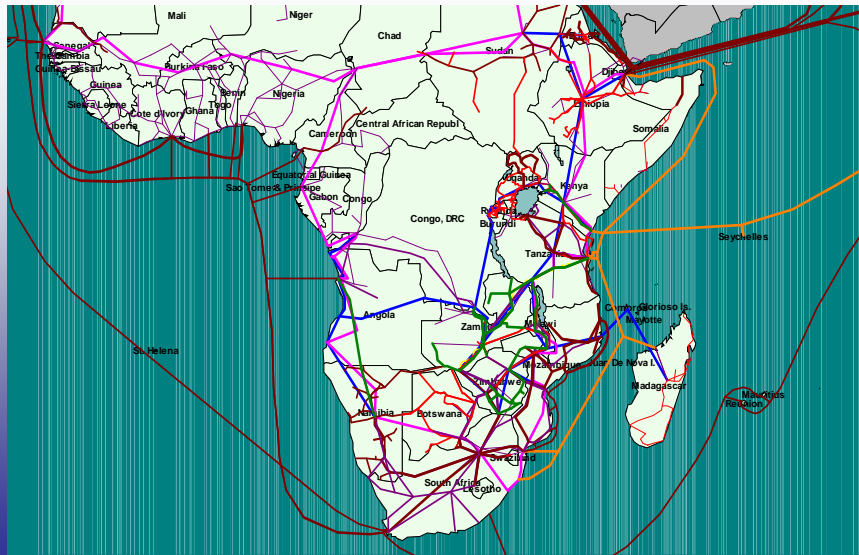
3rd. Lesson on investment: Countries with high broadband penetration attract most investments.



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4th lesson : on regional directives on Universal Access



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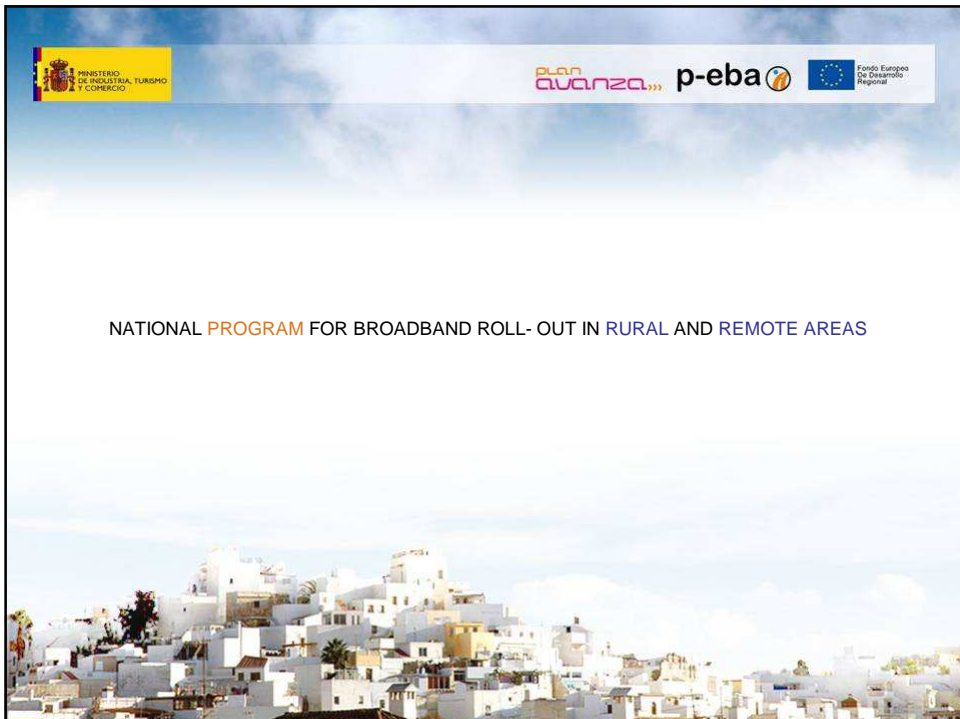
6. Encouraging participation

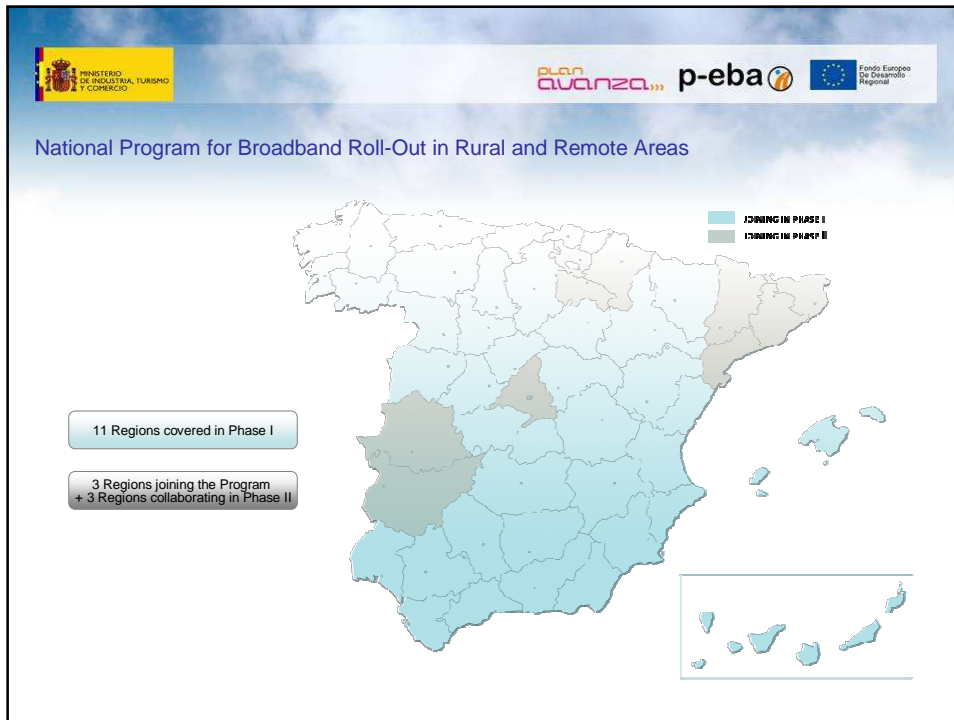
- a) Member States are encouraged to fill the Questionnaire and forward to ITU before end 2007.
- b) Call for Contributions (CA/11 STG) on current national experiences regarding access to broadband services or/and on planned policies, regulations, practices or programmes for development of broadband universal access. Contributions sent to ITU before end 2007.
- c) Seminar prior to September 2008 Study Group 1 meeting.



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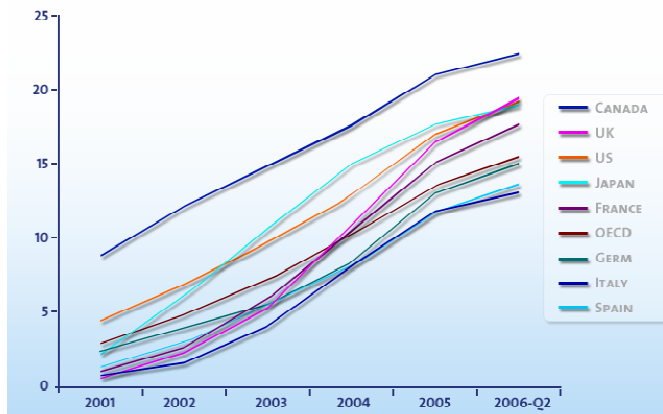


EBA : Executive Summary

Main figures	
Autonomous regions	14 Autonomous Regions + 3 Autonomous Regions_collaborating
Municipalities	More than 5,700 over a total of 8,108 Nationwide
Target Population	8.5 Million People
Total Investments	€280 Million (private and public)
Financial AIDS	€31 Million grants; 53 Million public credits
Deployment period	Phase I: 2005-2007. Phase II: 2007-2008

Starting point

BROADBAND PENETRATION GROWTH, G7 COUNTRIES + SPAIN

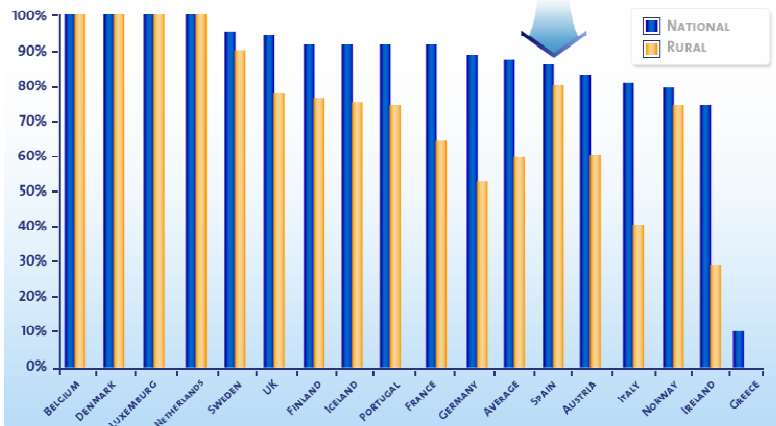


SOURCE: OECD OCT 2006

Starting point

DSL COVERAGE (JANUARY 2005)

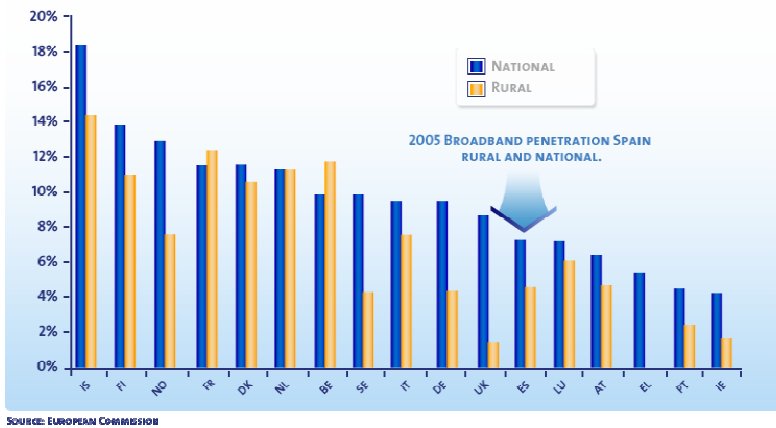
2005 BROADBAND COVERAGE SPAIN RURAL AND NATIONAL



SOURCE: EUROPEAN COMMISSION

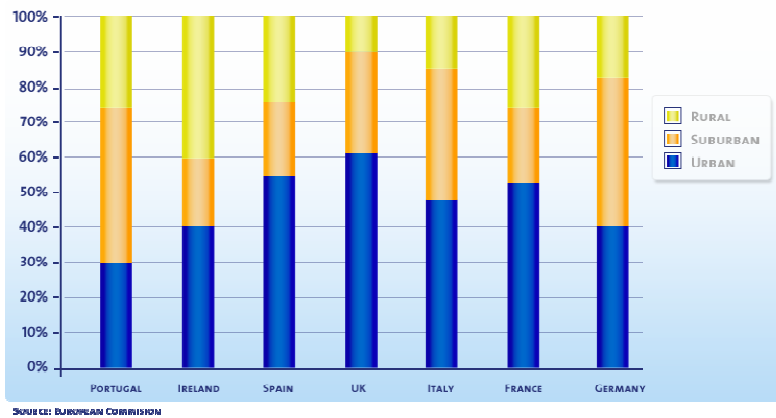
Starting point

DSL PENETRATION/COVERAGE RATIO PER COUNTRY (JANUARY 2005)



Population percentage residing in urban, suburban and rural areas

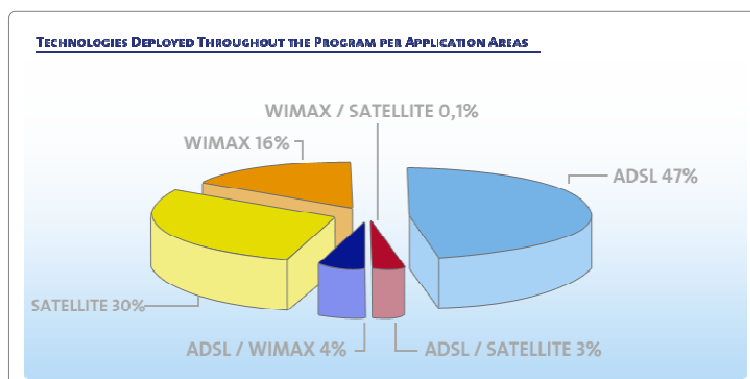
POPULATION PERCENTAGE RESIDING IN URBAN, SUBURBAN AND RURAL AREAS



EBA within AVANZA



Technologies deployed throughout the Program per Application Areas



Dissemination and other activities

- 2,700 public Internet access points.
- Promotion of local public services (Ciudades Digitales)
- Grants intended for Internet access and computer purchase.

ciudades digitales



El futuro está en Internet y en las tecnologías de la información.

Por eso vamos a ayudar a los trabajadores, a los jóvenes y a las empresas financiando con un 0% de interés la compra del PC, el cable y la conexión de banda ancha, el software, el antivirus, la impresora y otros periféricos...

SÚMATE A LA SOCIEDAD EN RED.

préstamos AVANZA

FAMILIAS JÓVENES EMPRESAS

p-eba

Ministry of Industry, Tourism and Trade
(www.mityc.es)

<http://www.bandaancha.es>
bandaancha@mityc.es