

Bridging the gap between research and standardisation

Case for EU-China collaboration

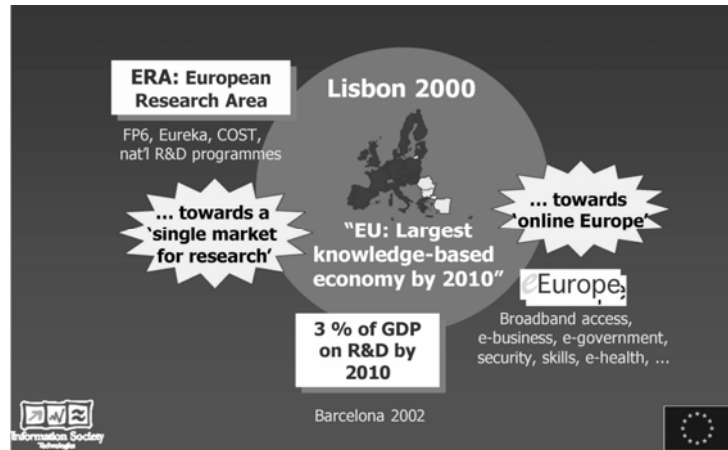
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Topics covered

- The importance of Collaborative R&D (in Europe)
- Linking research to standards
- Mind the gap...

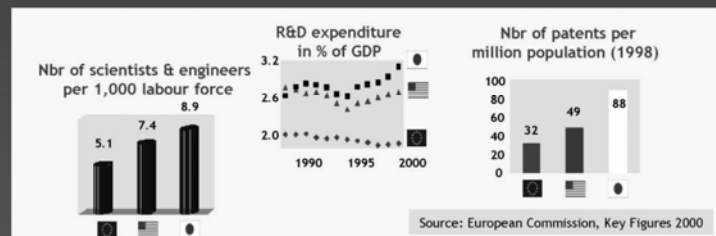
Europe's vision



Bridging gap between research and Standards

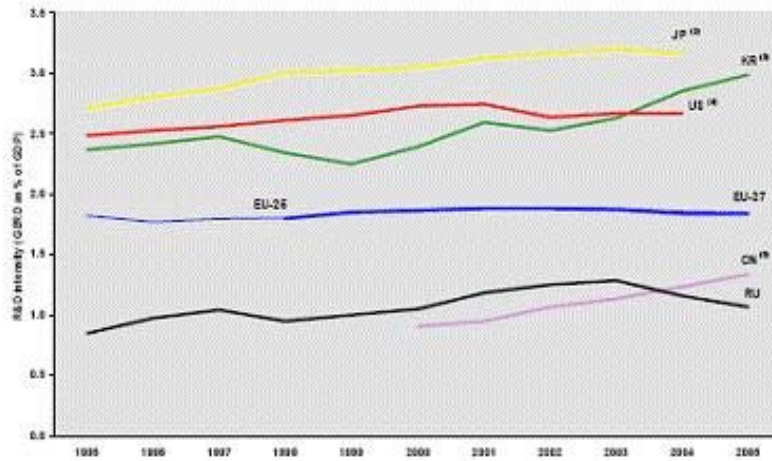
Europe lags behind in R&D investment

- Public R&D investment in the EU: 120 B€/yr
 - just 50% of the US effort
 - the gap is widening since 1995
 - 52% of R&D effort in ICTs in OECD countries is in the US
 - only 17% in Europe (22% in Japan)



China will catch up on EU R&D spending intensity in 2009

Figure 1.1.1 R&D Intensity (GERD as % of GDP) in the major world regions, 1995-2006 ⁽¹⁾



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Research input to Standards

- ICT markets are shaped by standards
 - de facto, industry, fora, SDOs like ETSI
- Collaborative research is a European strength
- European R&D in ICT must lead to standards activity
 - Developing new products, new services, new markets
 - Driving, not disseminating

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Standards

- Lower development & production costs
- Give improved product confidence and Interop
- Allow access to new markets
- Increase competition - good for the customer
- Encourage innovative cooperation
- Turn good ideas in to commercial success
- Efficient way of ensuring IPR protection



Mind the gap

- Standardisation can take time, or time window can close
- Funding shortfall
- Different objectives between R&D project and standards committee
- Population differences
- Too much choice of standards bodies?

Issues for standards bodies like ETSI

- ❑ Reduce barriers to input from R&D projects
 - Membership cost
 - Participation cost
 - Access to information
 - Guidance and help in navigating an SDO
- ❑ Incubator or start-up groups for new topics
- ❑ Improve visibility of R&D project impact on standards
 - Recognition for submissions
 - Recognition for retained results
- ❑ Maintain dialogue between SDOs and R&D community

What has ETSI done?

- ❑ Creation of 'New Initiatives' team in Secretariat
 - Help on creating an ISG , finding existing TBs, founding a new TB
- ❑ Incubator or pre-standardisation groups
 - Industry Specification Group
- ❑ Workshops and events with R&D community
 - Hosting at ETSI, and attending, listening
- ❑ Reduced barriers to access and participation
 - Reduced membership fees and easier access
 - For Universities & Public Research Bodies (€2k)
 - For SMEs (€6k), Micro Enterprises (€3k)
 - Electronic participation
 - Standards available for free on the internet
 - Complete access with single username/password
- ❑ Partner in selected R&D projects