Workshop - Bridge Design to Eurocodes, Vienna, October 4-6, 2010

Eurocodes:

Implementation and Further Development

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http://eurocodes.jrc.ec.europa.eu/







Outline

- Eurocodes Implementation
 - ➤ Role of JRC
 - ➤ Implementation Progress
- Eurocodes: Training and Promotion
- Further Development of the Eurocodes →

The contribution of the JRC in the framework of the MoU with DG ENTR (2005 -...)

- IT tools
- Promotion and training strategies, training and promotion activities
- Further Development:
 Set-up and coordination of scientific networks for new materials,
 New programming Mandate, ...
- Extension of European Standards to other
 Basic Requirements for Construction Works (BWRs)



Cooperation:

(EC, CEN, MS and NSBs, industry)



Development of specific informatics tools (IT tools):

- Database for the NDPs (NDPs database) (31/03/06)
- **Eurocodes Website (30/11/06)**
- **Database for Backgroud Documents**
- Centralized help-desk for maintenance

http://eurocodes.jrc.ec.europa.eu







The Eurocodes ...Implementation Progress →

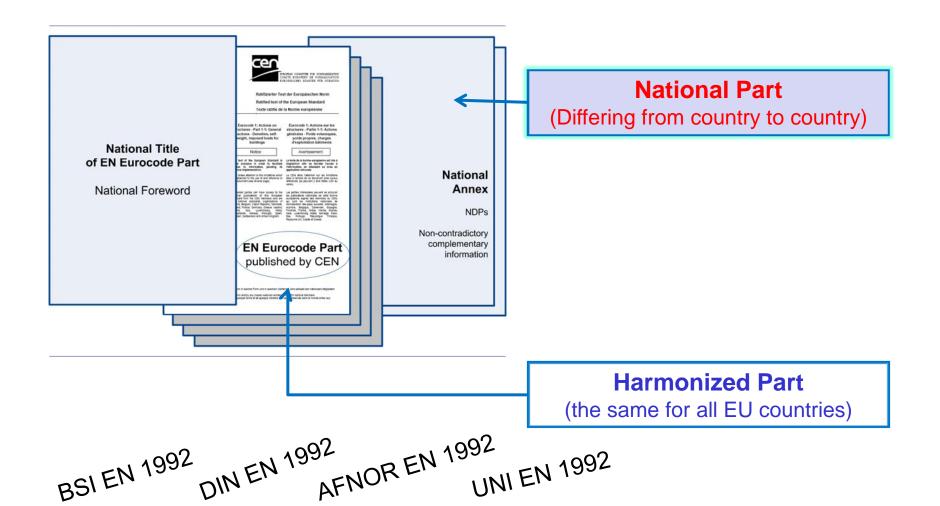


Country Standard Transposing a European Standard



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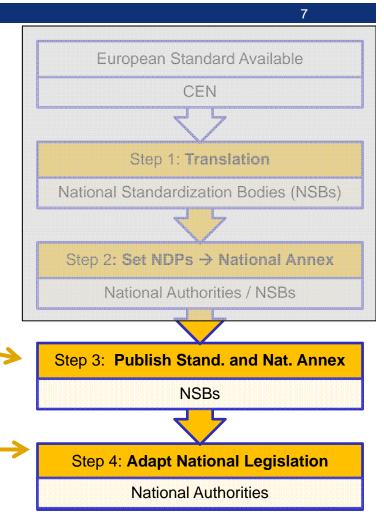
Implementation Steps



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National Authorities and National Standards Bodies, when an EN Eurocode Part is made available, should:

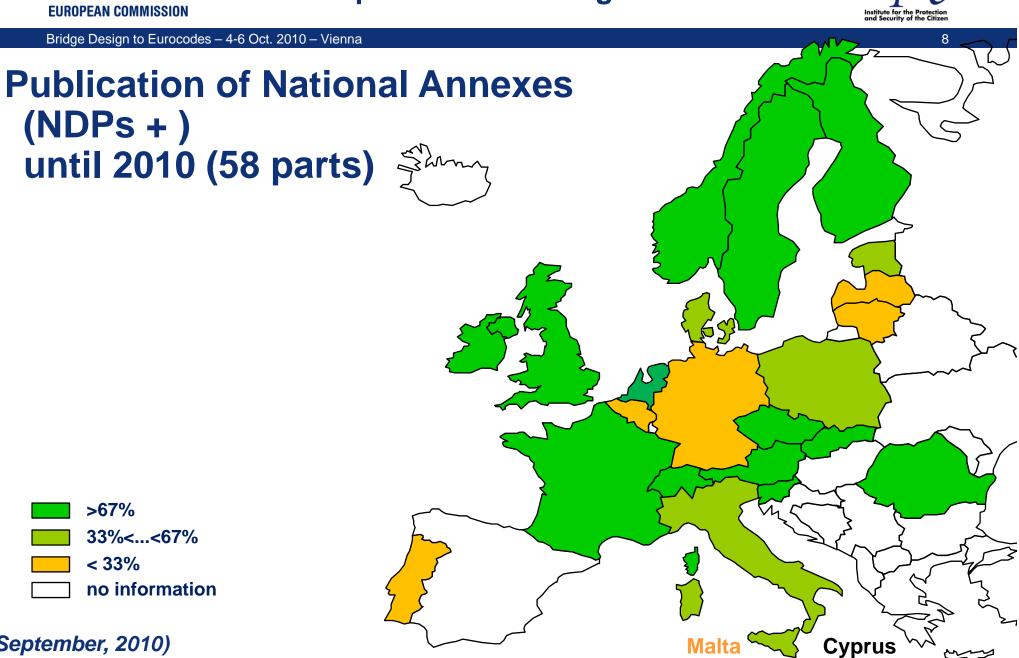
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- Step 3: Publish the National Standard transposing the EN Eurocode and the National Annex (with NDPs)
- Step 4:
 Adapt, as far as necessary, their
 National Legislation so that the EN Eurocode Part can be used on their territory → (2010)





Implementation Progress





(September, 2010)





Training and Promotion





Training and international promotion





In this series: **Booklets**

- B1: The Eurocodes: Implementation and use
- B2: The role of EN 1990: the key head Eurocode
- B3: The Eurocodes and construction products
- B4: The Eurocodes: Supporting EU policies and increasing competitiveness
- B5: The Eurocodes: Use outside EU
- B6: The Eurocodes and cooperation in the Euro-Mediterranean area

Leaflets

- L1: The Eurocodes: What are they?
- L2: The Eurocodes: Getting prepared L3: The Eurocodes: Increasing
- competitiveness
- L4: The Eurocodes: Opportunity to innovate

Awareness material







International workshops





Training workshops

all documents are available at the JRC Eurocodes website





Three (3) levels of training:

- Level 1 which will deal with policy of Eurocodes implementation, National Annexes, co-existence with National Codes, the Eurocodes system, etc. and these courses will be aimed at National Authorities, National Standards Bodies (NSBs) and senior personnel in the companies;
- Level 2 which will be introductory courses to each individual Eurocode (average duration 1 day);
- Level 3 which comprehensively describes design examples of a number of typical structures using a particular package of Eurocodes.





Eurocodes: Background and Applications Brussels, 18-20 February 2008



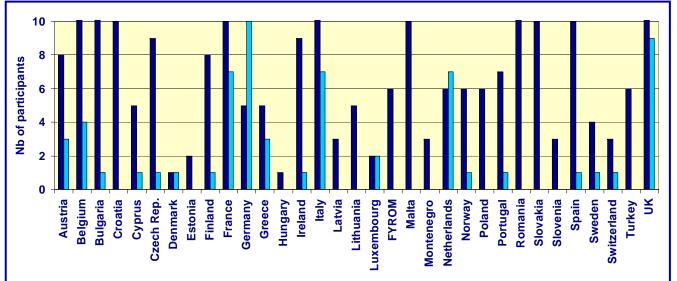


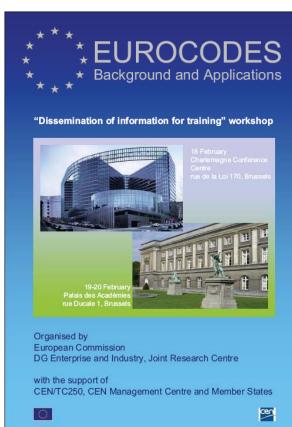




Eurocodes: Background and applications (cont'd)

- 320 participants, 60 lecturers
- all Eurocodes covered (-EC6)
- Message from minister Turk (SI) and vice-minister Mihalevski (BG)









Training and promotion: future actions (Level 2/3 training workshops) The following workshops on Eurocodes are scheduled:

- Design of Bridges with the Eurocodes
 Programme coordination: Steve Denton (HG Bridges)
 3 days, 4-6 Oct 2010, Vienna
- Eurocode 8: Seismic Design of Buildings (RC and Steel)
 Programme coordination: Eduardo Carvalho (SC8)
 2 days, 10-11 Feb 2011, Lisbon
- Eurocode 2: Design of Reinforced Concrete Buildings
 Programme coordination: Giuseppe Mancini (SC2)
 2 days, 2011, Brussels (tbc)





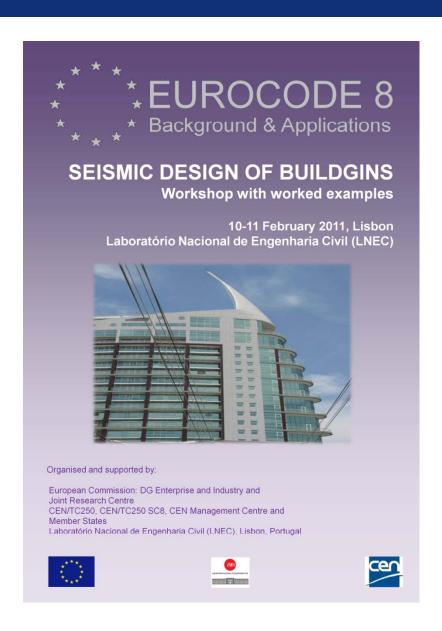
Seismic Design of Buildings

10-11 Feb 2011

Lisbon

Registration deadline December 15

https://jrc-meetingregistration.jrc.ec.europa.eu







Moscow workshop (2008, ..., 2010)

- Aim: gather and make available information on EU and Russia standardisation systems.
- Support from TAIEX, CMC, CEN/TC250
- Russian Federal Agency on Technical Regulation and Metrology, World Academy of Sciences for Complex Security







FURTHER DEVELOPMENT

- New materials: FRP, glass, ...
- New <u>fields of design</u>: robustness, existing structures, membrane structures, ...
- <u>Sustainability</u> (environmental): recyclability, durability, use of environmentally compatible materials, energy issues, ...









Thank you for your attention



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Bridge Design to Eurocodes

4-6 Oct 2010

Austrian Federal Ministry for Transport, Innovation and Technology

Vienna

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