JRC activities in support of the implementation, harmonisation and further development of the Eurocodes

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http://eurocodes.jrc.ec.europa.eu/
The Joint Research Centre – JRC

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OTHER DGs
Outline

• Eurocodes Timeline, Training and Promotion
• Implementation of the Eurocodes ... NDPs database
• Use of the Eurocodes outside the EU
• Helpdesk, Website, ...
Development of the present generation of Eurocodes

Input from scientific and technical associations

First Eurocodes 1976

ENVs 1990

ENs 1998

2007

European Commission

Credits: J-A. Calgaro, EU-Russia dialogue, JRC Ispra, 2012
Eurocodes: Background & Applications

GEOTECHNICAL DESIGN with worked examples

13-14 June, Dublin

2007
ENs Available → CEN

2010
Eurocodes EU Allowed → MS

2013
New Mandate, M515 → EC

2019
CEN

‘2nd Generation’:
- Ease of Use
- Further Harmonization
- Assessment & Retrofit
- New materials
- Sustainability issues

Implementation, Training, Promotion (EC, MS, Industry)
Training and Promotion
Eurocodes: Training and Promotion, … (JRC in Co-operation with DG ENTR, CEN, MSs)
Implementation
Publication of National Standards (58 parts)

(Jan. 2010)

(June 2010 - updated: PRT, NLD)
Update on NDP database
NDPs database – progress of uploading

JRC focuses to maintain the momentum in rate of upload!
NDPs database
progress of uploading

IRELAND
Well done!

Five MS already almost finished uploading!
NDPs database: acceptance of recommended values (January 2013)
NDPs database – progress of uploading by Country

- Czech Republic: 100 %
- Ireland: 99.6 %
- Norway: 95 %
- Romania: 92 %
- Slovenia: 89 %

(May 2013)
Use of the Eurocodes outside the EU
Global Promotion of Eurocodes

The EU/JRC, BSI: Eurocodes globally seminars and lectures
Over 150 Russian experts participated the Workshop.

All presentations are available on the Eurocodes website.
5th meeting of the EU-Russia Regulatory Dialogue – construction sector sub-group on 18 April 2013

Joint EU-Russia declaration of the Workshop and the Regulatory Dialogue signed
Helpdesk, Website and other Issues
Eurocodes Centralised Helpdesk

- **Objective**: NSBs submit filtered questions/comments to CEN/TC250/(SCs) and receive answers
- Link between the European Commission, national standards bodies, national authorities, CEN/TC250 and SCs
- Access restricted to:
  - NSBs and CEN/TC250
  - European Commission
  - EU and EFTA National Authorities, other countries (in the future)
- JRC received a list of the national contact points (HD-NCPs) from CEN/TC250 Secretariat, although some contact points are still missing (i.e. Austria, Bulgaria, Greece, Malta, Slovenia etc.).
- **Platform launched in June 2013**
http://eurocodes.jrc.ec.europa.eu/

We need your help to collect more information on structures designed with the Eurocodes and available guidance material!
Eurocodes Future
M515 EN/ 12th December 2012:
European Commission Mandate to CEN for Amending Existing Eurocodes and Extending the scope of the Eurocodes

Basing on CEN reply to M446 EN, CEN is invited to develop a detailed work programme:


**General requirements:**

- Extension of existing rules to the assessment and strengthening of **existing buildings and structures**;
- Extension of existing rules for **robustness**.
Other requirements:

- Access the potential to reduce the NDPs;
- Improve the ‘ease of use’;
- Contribute to sustainability;
- Adoption of ISO standards (e.g. atmospheric icing,.....);
- Auxiliary guidance documents;
- Information on the determination of material and resistance factor, improving fire safety approach;
- Provide background documents;
- Technical report on impacts of climate change.

Thank you for your attention

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