



# Eurocodes

Background and Applications

## Design of **Steel Buildings** with worked examples



16-17 October 2014  
Brussels, Belgium

### Organised and supported by

European Commission

DG Enterprise and Industry  
Joint Research Centre

European Convention for Constructional Steelwork

European Committee for Standardization

CEN/TC250/SC3

Joint  
Research  
Centre

# Welcome

## Eurocodes Implementation: Training – ‘JRC report’

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European Commission*

## ***J-C Juncker (President Elect) 10 Political priorities***

- 1. A New Boost for **Jobs, Growth and Investment***
- 2. A Connected **Digital Single Market***
- 3. A **Resilient Energy Union** with a Forward-Looking Climate Change Policy*
- 4. A **Deeper and Fairer Internal Market** with a Strengthened Industrial Base*
- 5. A Deeper and Fairer Economic and **Monetary Union***
- 6. A Reasonable and Balanced Free **Trade Agreement with the U.S.***
- 7. An Area of **Justice** and Fundamental **Rights Based on Mutual Trust***
- 8. Towards a New Policy on **Migration***
- 9. A Stronger **Global Actor***
- 10. A Union of Democratic **Change***



**A New Start for Europe:  
My Agenda for Jobs,  
Growth, Fairness and  
Democratic Change**

**Political Guidelines**  
for the next  
European Commission

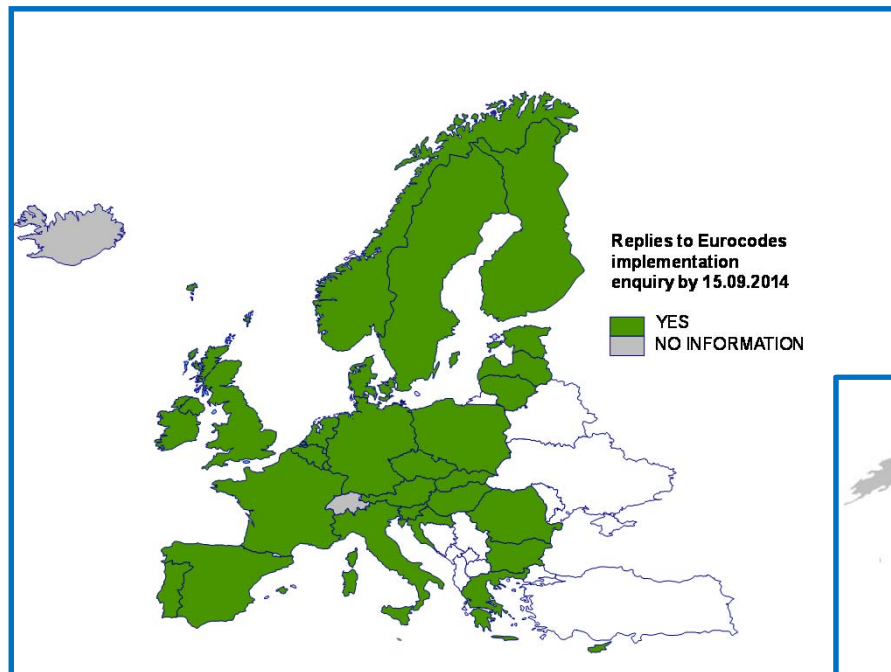
**Jean-Claude Juncker**

Candidate for  
President of the European Commission

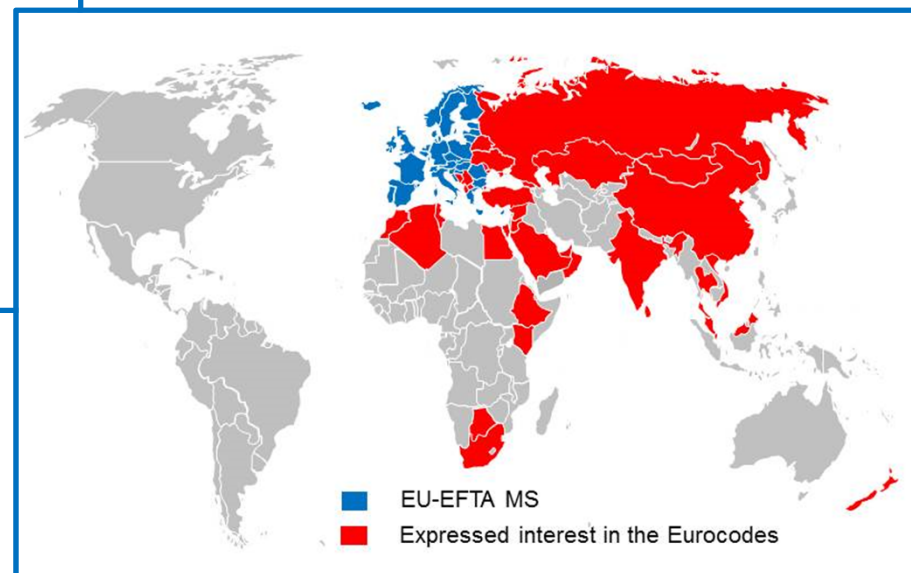
Strasbourg, 15 July 2014

# Are/will be the Eurocodes implemented?

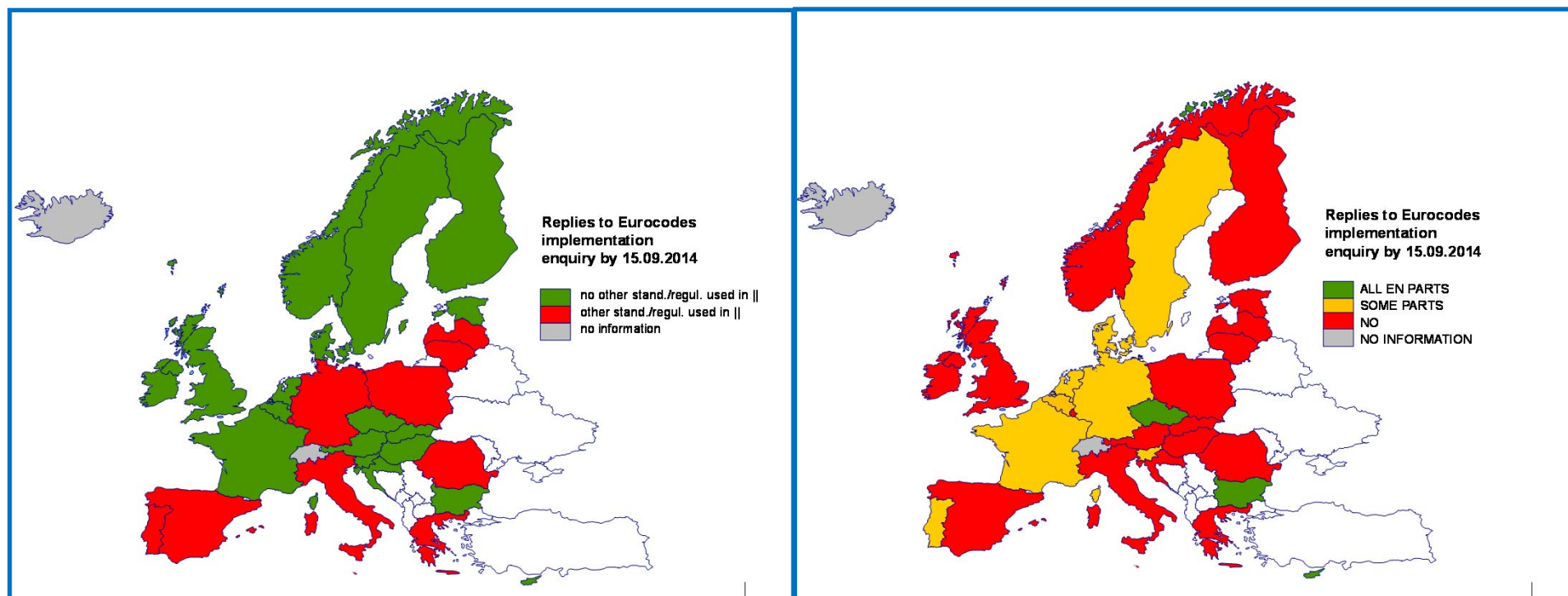
EU/EFTA MS: on-going Commission enquiry



All-over the world



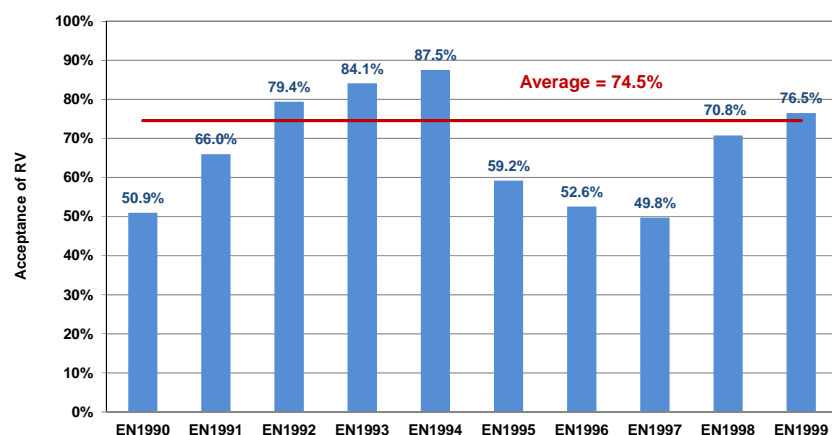
# Eurocodes implementation



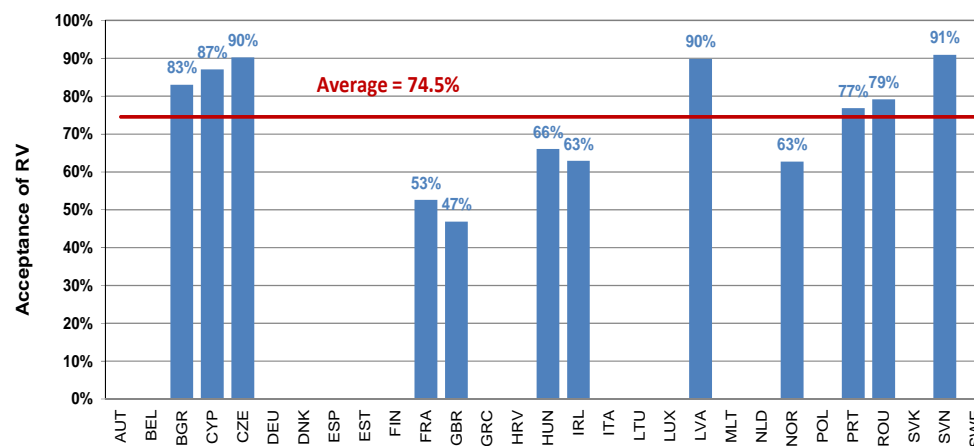
No other standards/regulations  
(will be) used in parallel

Are/will be the Eurocodes obligatory?

# Harmonized use of the Eurocodes in EU/EFTA



12 countries with > 75% NDPs uploaded



Commission NDPs database: acceptance of recommended values  
(analysis based on 56.3 % of data available, by 4 September 2014)

# Support to the Implementation of the Eurocodes

## Who?

- **European Commission** (DG ENTR and DG JRC)
- **In cooperation** with: CEN, Member States, and National Standardization Bodies (NSBs)

## How?

- **Informatics tools** (Eurocodes website, helpdesk, NDPs database, publications database, ...)
- **Training Workshops** (Level 1, Level 2/3)



# Eurocodes: Background and Applications

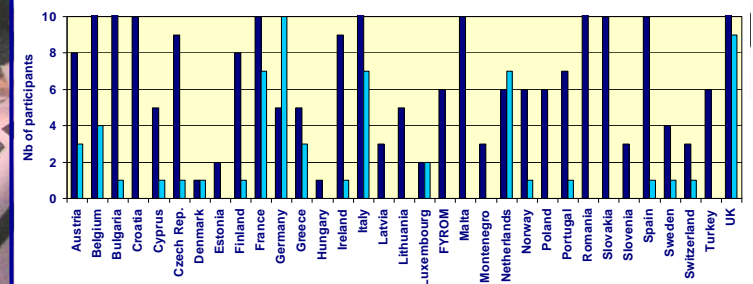
Brussels, 18-20 February 2008



Eurocodes - Design of **steel buildings** with worked examples

Brussels, 16 - 17 October 2014

- 320 participants, 60 lecturers
- all Eurocodes covered (-EC6)



# Eurocodes: Training and Promotion



European  
Commission

Eurocodes - Design of **steel buildings** with worked examples

Brussels, 16 - 17 October 2014

## EUROCODES Background and Applications

“Dissemination of information for training” workshop



18 February  
Charlemagne Conference  
Centre  
rue de la Loi 170, Brussels

2008

19-20 February  
Palais des Académies  
rue Ducale 1, Brussels



Organised by  
European Commission  
DG Enterprise and Industry, Joint Research Centre

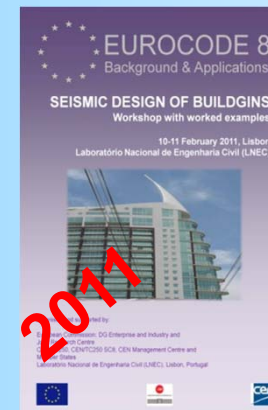
with the support of  
CEN/TC250, CEN Management Centre and Member States



## With Worked Examples



2010



2011



2011



2012



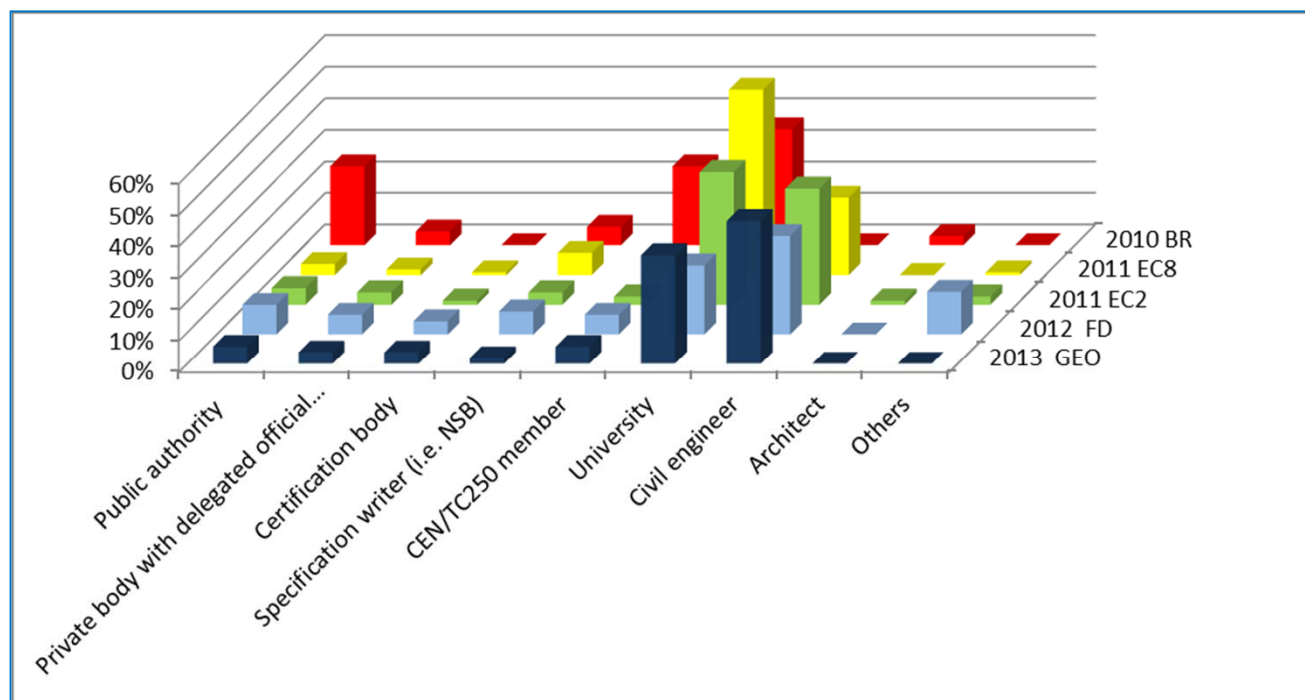
2013



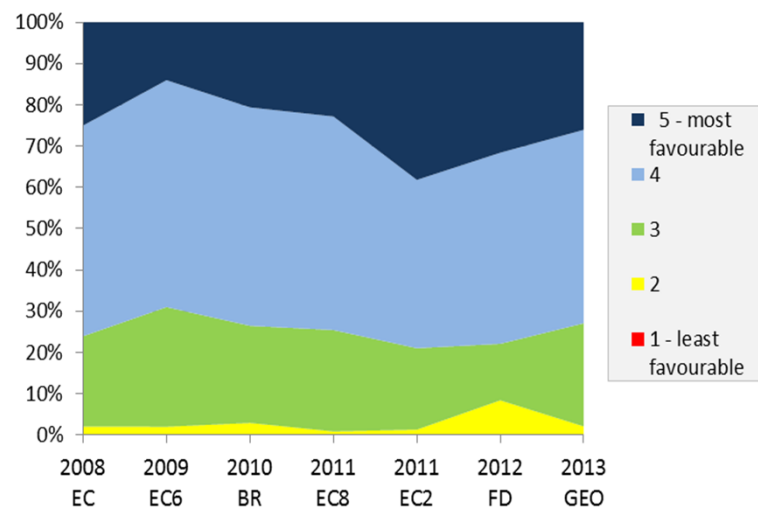
2014



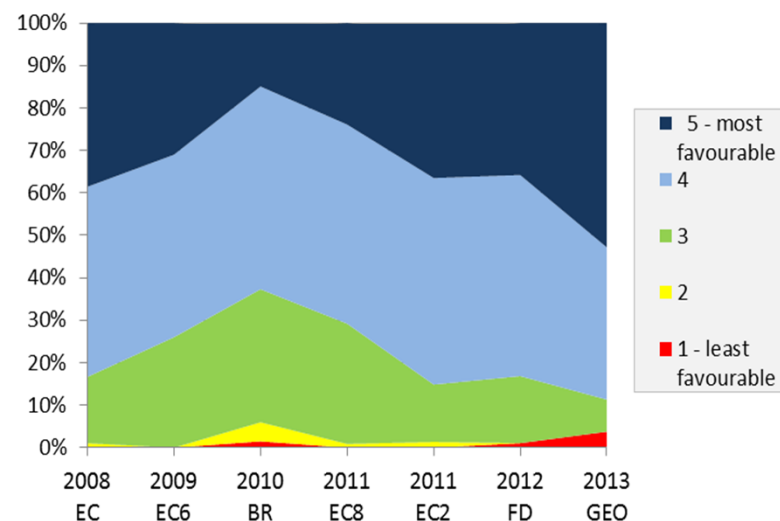
## Professional position of the participants



## Evaluation by the participants



How effective was the workshop in achieving the stated objectives?



Was the presented material appropriate?

# Publishing JRC reports with worked examples



# International Promotion and Training on the Eurocodes with the involvement of the JRC and Support of DG ENTR

2005 –  
Start of the  
JRC –  
Eurocodes  
promotion  
with pilot  
events

2009 –2011  
'BSI project'  
Promotion in 3<sup>rd</sup>  
countries

2014  
Coordinated  
promotion  
of European  
standards  
and policies

2008 - Strategy for  
Promotion  
(JRC Report )

2012 -2014 Eurocodes Promotion  
on the Basis of Political Drivers (e.g.  
EU-Russia dialogues, and E&I -  
Balkan Region)



Joint  
Research  
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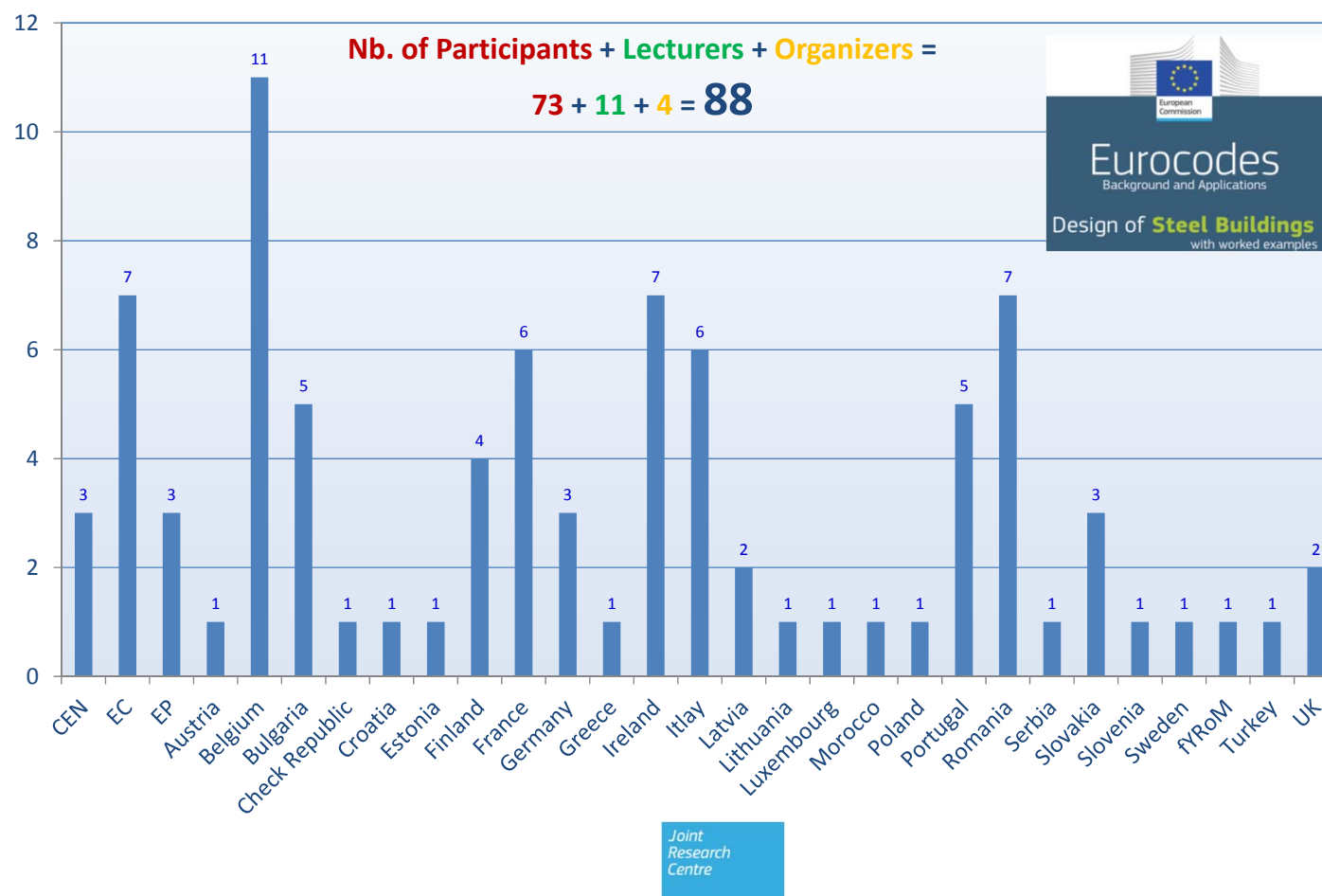


## Level 2/3 Training Workshops Workshops with worked examples

- Workshop with worked examples on 16-17 October 2014 on Design of Steel Buildings with the Eurocodes:  
A Technical Report with the Worked Examples will be published by the JRC (beginning ...2015)
- Organized by the Commission (DG ENTR and DG JRC) in collaboration with **ECCS**, CEN/CENELEC MC, CEN/TC250, CEN/TC250/SC3
- 73 participants registered from almost all EU countries; 1 participant from Morocco
- **Special thanks to our lecturers!**



# 88 participants from 26 countries





*Thank you !  
A fruitful workshop !*

<http://eurocodes.jrc.ec.europa.eu>  
*eurocodes@jrc.ec.europa.eu*



**MADE IN EUROPE**