

# **EUROCODES**

## **implementation and further development:**

### **JRC support**

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Joint Research Centre



# Memorandum of Understanding with DG ENTR

Implementation & promotion	Harmonisation	Further development
<p>Website</p> <p>Background documents database</p> <p>Centralised Eurocodes Helpdesk</p> <p>Training strategy</p> <p>Booklets</p> <p>Workshops</p>	<p>NDPs database</p> <p>Pilot project on further harmonisation</p>	<p>Standardisation needs for new materials:</p> <ul style="list-style-type: none"> <li>- FRP</li> <li>- glass</li> </ul> <p>Research needs:</p> <ul style="list-style-type: none"> <li>- seismic design</li> <li>- fire design</li> </ul>
<p><b>Maintenance &amp; development of e-tools</b></p> <p><b>Level 2 training</b></p> <p><b>Promotion outside EU</b></p>	<p><b>Statistical and expert analysis of NDPs</b></p> <p><b>Harmonisation strategy &amp; projects</b></p>	<p><b>Methodology for extension to additional fields of structural design:</b></p> <ul style="list-style-type: none"> <li>- new materials</li> <li>- existing structures</li> <li>- robustness, ...</li> </ul> <p><b>Concept to incorporate sustainability aspects and other emerging aspects</b></p>

2005 - 2008

2008 - 2011

# IT tools for implementation

- Eurocodes **website**: collect and disseminate information
- **Background documents database**: theoretical justification of technical rules and recommended NDPs
- Eurocodes **helpdesk**: informatics platform for communication between NSBs and CEN/TC250



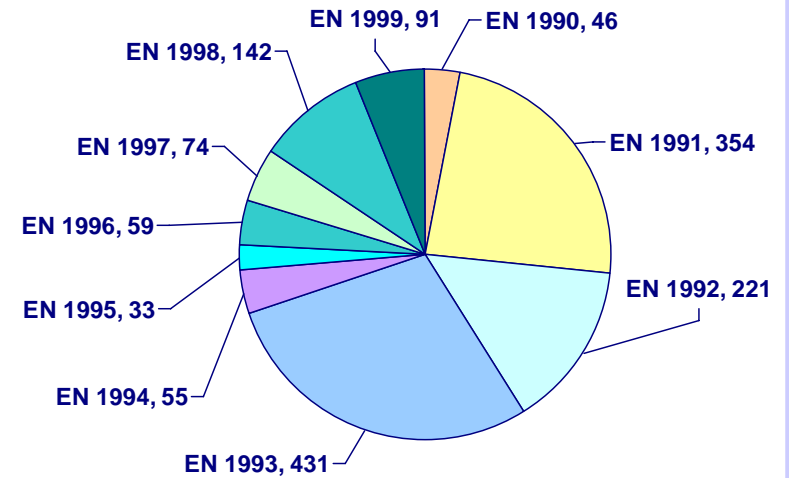
The screenshot shows the Eurocodes website interface. At the top, there is a blue header with the Eurocodes logo and the tagline "EUROCODES SHAPING THE FUTURE". Below the header, there are navigation links for "Helpdesk", "NDP database", and "Background documents". The main content area is titled "The EN Eurocodes" and contains several sections: "Message from CEN/TC250 chairman", "National Implementation" (with a bar chart showing 80% of Eurocodes published as National Standards), "Eurocodes: Background and application", "Te Wero Bridge, New Zealand", "JRC support to implementation and use", "CEN/TC250 newsletter", and "Upcoming Events". On the right side, there is a "HEADLINES" section with articles like "Design of masonry structures" and "Workshop in Moscow". The JRC logo is visible in the bottom right corner of the website screenshot.


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

# Further harmonisation

**Reduce divergence** from recommended values

Harmonisation among materials



**Eurocodes: Nationally Determined Parameters**  EUROPEAN COMMISSION  
Directorate General Enterprise  
Directorate General Joint Research Centre

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Home  
EN 1990  
EN 1991  
EN 1992  
EN 1993  
EN 1994  
EN 1995  
EN 1996  
EN 1997  
EN 1998  
EN 1999  
Queries  
Guide for Upload Version 2.0

**Status of the uploading of parts**

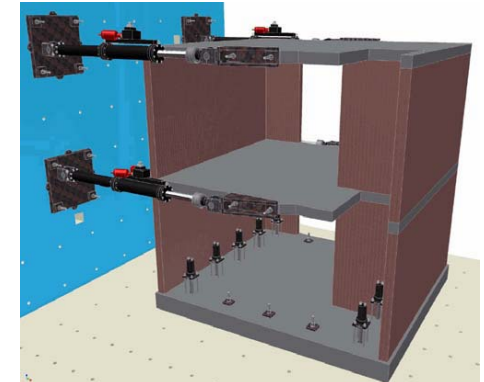
EN1991	total	AUT	BEL	BGR	CHE	CYP	CZE	DEU	DNK	ESP	EST	FIN	FRA	GBR	GRC	HRV	HUN	IRL	ISL
1990 a	36						(35)												
1991 a	348	(11)	(16)				(301)	(160)		(139)	(1)			(238)					
1-1	16		(16)				(14)	(7)		(16)				16					
1-2	General actions - Densities, self-weight, imposed loads for buildings							(15)	(6)	(13)				15					
1-3							(32)	(24)		(6)				32					
1-4	67						(66)	(51)		(67)				(67)					
1-5	28						(28)	(16)		(26)				(27)					
1-6	26						(26)	(20)						(26)					
1-7	47						(43)	(36)				(1)		(4)					
2	98						(58)			(11)				(51)					
3	8						(8)												
4	11						(11)												
1992 a	85						(69)	(15)		(20)									

## NDPs database

- collect national choice for NDPs
- monitor implementation
- online statistical tools
- assist expert analysis

## Further development

- Experimental research on **masonry** structures
- New **materials**: FRP, glass, ...
- New **fields of design**: existing structures, robustness, ...
- **Sustainability**: recyclability, durability, use of environmentally compatible materials





# Training and international promotion



**B2** Роль кода EN 1990: Ключевой Еврокод

EN 1990  
EN 1991  
EN 1992 EN 1993 EN 1994  
EN 1995 EN 1996 EN 1999  
EN 1997 EN 1998



欧洲规范:  
在欧盟以外的应用

**B1** THE EUROCODES:  
IMPLEMENTATION AND USE

2006 Availability of EN Eurocodes  
2008 Publication of EN Eurocodes



**L2** The Eurocodes  
Getting prepared

**A strategic approach**

Successful implementation of the Eurocodes requires a shared effort and close collaboration of stakeholders, namely: National Authorities, National Standards Bodies, Technical and Professional Associations, Academia and the Construction Industry.

The implementation work programme calls for a strategic approach to address the following issues:



**EUROCODES**  
BUILDING THE FUTURE

WORKSHOP on the Adoption of the Eurocodes in EU New Member, Accession and Candidate Countries

BY INVITATION  
2-3 November 2008  
10h, 14h  
Varese, Italy



**Eurocodes**  
Building the future in the Euro-Mediterranean area

27-29 November 2008  
Palazzo Grazioli Hotel  
Varese, Italy



**EU-China Trade Project**  
Support to China's Integration into the World Trading System

中国-欧盟建筑标准和节能研讨会  
EU-China Conference on Standards and Energy Efficiency in Buildings

2008年1月29日, 北京  
29 January 2008, Beijing



**EUROCODES**  
Building the future in the Euro-Mediterranean area

6-10 October 2008  
Palazzo Grazioli Hotel  
Varese, Italy

## International workshops



**EUROCODES**  
Background and Applications

"Dissemination of information for training" workshop

2-3 April 2009, Brussels  
Charmagne Conference Centre



**EUROCODE 6**  
Background and Applications

EN 1996 Design of Masonry Structures  
A dissemination of information for training workshop

2-3 April 2009, Brussels  
Charmagne Conference Centre

## Awareness material

## Training workshops

*Thank you for your attention*



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