

Participants

Participants from countries in the Balkan region (Albania, Bosnia and Herzegovina, Croatia, the former Yugoslav Republic of Macedonia, Kosovo¹, Moldova, Montenegro, Serbia and Turkey) will attend the Workshop by invitation from the Organising Committee. Participation of members from National Standardization Bodies, Chairmen of Mirror TC250 Committees and members of the Working Groups, members from universities and research institutions is expected. Priority will be given to participants recommended by National Authorities.

Nominated experts from the European Commission, EU Member States, CEN/TC250 and Turkey will also participate and give presentations.

Event Registration and Submission of Contributions

Registration of the participants will be done on-site.

A questionnaire aimed to assess recent progress, difficulties and needs for elaboration of maps for climatic and seismic actions for structural design in the Balkan region since the second workshop held in Skopje on 4-5 November 2014 should be filled in by invited participants and should be submitted not later than September 10th.

A template for the presentation of the Country report will be provided by the Organizing Committee. Each participating country will be allocated 15 minutes of presentation time.

Attendance Fees

There will be no registration fee for the Workshop. The Workshop Secretariat will provide to the participants further information about travel and accommodation arrangements. The participants are responsible for reserving their accommodations.

Workshop Material

Relevant Workshop material will be distributed at the Workshop.

Venue

Hotel Sheraton Zagreb
Kneze Borne 2, 10 000 Zagreb, Croatia
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A social dinner will be offered in the evening of 27 October.

Language

The Workshop presentations will be in English (no translation will be provided).

Workshop Organising Committee

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Joint Research Centre, European Commission

R. Apostolska
Institute of Earthquake Engineering and Engineering Seismology, UKIM-IZIIS, Skopje, the former Yugoslav Republic of Macedonia

V. Rajcic
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With the Support of

European Commission - JRC Enlargement and Integration Action
CEN/TC250

University of Zagreb, Faculty of Civil Engineering
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Further Information

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

The European Commission website on the Eurocodes



ELABORATION OF MAPS FOR CLIMATIC AND SEISMIC ACTIONS FOR STRUCTURAL DESIGN IN THE BALKAN REGION

27 - 28 October 2015
Zagreb, Croatia

Organised by
EUROPEAN COMMISSION - DG Joint Research Centre

Supported by
EUROPEAN COMMISSION
JRC Enlargement and Integration Action
CEN/TC250
UNIVERSITY OF ZAGREB, Croatia
CROATIAN STANDARDS INSTITUTE

¹ This designation is without prejudice to positions on status, and is in line with UNSCR 1244 and the ICJ Opinion on the Kosovo Declaration of Independence.

Elaboration of Maps for Climatic and Seismic Actions for Structural Design in the Balkan region

Within the national framework for adoption of the Eurocodes, each country must elaborate maps for climatic and seismic actions for structural design. National choice, which should cover country particularities in climatic and seismic conditions, is allowed through 142 clauses in EN 1991 and EN 1998.

The Workshop is aimed at building capacities for elaboration of maps for climatic and seismic actions for structural design in non-EU countries in the Balkan region. It is organized by the JRC and hosted by the Croatian Standards Institute within the framework of the JRC Enlargement and Integration Action. It builds upon the activities carried out at the Workshop on the Adoption of the Eurocodes in the Balkan region, held on 5-6 December 2013 in Milan and at the JRC, Ispra, Italy, http://eurocodes.jrc.ec.europa.eu/showpage.php?id=2013_12_WS_Balkan and the Workshop for Building capacities for elaboration of NDPs and NAs of the Eurocodes in the Balkan Region, held on 4-5 November 2014 in Skopje, the former Yugoslav Republic of Macedonia, http://eurocodes.jrc.ec.europa.eu/showpage.php?id=2014_11_WS_Balkan.

The programme of the Workshop is composed of four parts:

- o Lectures delivered by invited experts concerning the elaboration of maps for seismic and climatic (wind, snow and thermal) actions, and sharing mostly regional experience
- o Lectures delivered by invited experts concerning the assessment and retrofitting of existing structures – prospect for European Guidance
- o National presentations of non-EU Balkan countries about the progress of elaboration of maps for climatic and seismic actions for structural design
- o Round table discussion regarding the progress of elaboration of maps for climatic and seismic actions for structural design in the Balkan region; drivers and barriers - conclusions and way ahead

Objectives

The Workshop is aimed at further adoption and implementation of the Eurocodes in the non-EU countries in the Balkan region. In particular, it is envisaged to serve the following main objectives:

- o To strengthen the capacities of the stakeholders from non-EU countries in the Balkan region for the elaboration of maps for climatic and seismic actions for structural design with the Eurocodes
- o To facilitate the regional cooperation and networking among non-EU countries in the Balkan region towards successful implementation of the Eurocodes

Programme

Tuesday, 27 October, 2015	
Morning session	
09:00 – 09:30	Registration Chairs: A. Pinto, M. Fardis, M. Skerl, V. Rajcic and P. Formichi
09:30 – 10:00	Welcome addresses and introduction <i>National Authority Representative</i> A. Pinto - DG JRC, European Commission M. Fardis – CEN/TC250/Vice Chairman M. Skerl - Director of Croatian Standards Institute V. Rajcic – Head of Structural Department, University of Zagreb
10:00 – 10:30	General principles of the elaboration of maps for climatic and seismic actions <i>P. Formichi – Chairman CEN/TC250/WG 7 “Basis of Design”</i>
10:30 – 11:00	Coffee break
	Current status of the elaboration of maps for climatic and seismic actions Chairs: R. Apostolska and L. Danciu
11:00 – 11:15	Country report_Albania
11:15 – 11:30	Country report_Bosnia and Herzegovina
11:30 – 11:45	Country report_ the former Yugoslav Republic of Macedonia
11:45 – 12:00	Country report_ Kosovo
12:00 – 12:15	Country report_ Moldova
12:15 – 12:30	Country report_ Montenegro
12:30 – 12:45	Country report_ Serbia
12:45 – 13:00	Country report_ Turkey
13:00 – 14:30	Lunch break
Afternoon session	
	Experience in the elaboration of maps for seismic actions Chairs: P. Croce and A. Yakut
14:30 – 15:00	Elaboration of seismic hazard maps - SHARE project experience <i>L. Danciu - ETH, Zurich, Switzerland</i>
15:00 – 15:30	Revised probabilistic hazard map of Turkey and its implications on seismic design <i>S. Akkar – Kandili Observatory & Bogazici University, Istanbul, Turkey</i>
15:30 – 16:00	Experience from the region in the elaboration of maps for seismic actions: Croatia <i>M. Herak – University of Zagreb, Croatia</i>
16:00 – 16:30	Coffee break
	Discussion on elaboration of maps for seismic actions Chairs: M. Fardis and V. Rajcic
16:30 – 17:30	Panel discussion <i>Panellists: S. Akkar, L. Danciu and M. Herak</i>
19:30	Social dinner

Programme

Wednesday, 28 October, 2015	
Morning session	
	Experience in the elaboration of maps for climatic actions Chairs: P. Luechinger and B. Nikolova
9:00 – 9:30	EN 1991 – Climatic actions & elaboration of maps for climatic actions in Greece <i>N. Malakatas – Chairman CEN/TC250/SC1</i>
9:30 – 10:00	Elaboration of maps for climatic actions in Italy <i>P. Croce – Convenor CEN/TC250/HG “Bridges”</i>
10:00 – 10:30	Experience from the region in the elaboration of maps for climatic action: Bulgaria <i>D. Nikolov – National Institute for Meteorology and Hydrology, Bulgaria</i>
10:30 – 11:00	Coffee break
	New technical rules for assessment and retrofitting of existing structures Chairs: S. Akkar and N. Malakatas
11:00 – 11:30	Assessment and retrofitting of existing structures - highlights from the Second generation of the Eurocodes <i>P. Luechinger – Convenor CEN/TC250/WG2</i>
11:30 – 12:00	EN1998–Part 3 – Assessment and retrofitting of existing structures <i>M. Fardis – Vice Chairman CEN/TC250</i>
12:00 – 12:30	Assessment and retrofitting of existing structures – best practice from Turkey <i>A. Yakut – Middle East Technical University, Turkey</i>
12:30 – 13:30	Lunch break
Afternoon session	
13:30 – 15:00	Technical visit to the Faculty of Civil Engineering of the University of Zagreb <i>V. Rajcic – University of Zagreb</i> Chairs: V. Gacesa-Moric and D. Nikolov
15:00 – 15:15	JRC Enlargement and Integration Action <i>A. Pinto – DG JRC, European Commission</i>
15:15 – 15:35	Elaboration of maps for climatic and seismic actions in the EU member states –JRC NDPs database <i>S. Dimova – DG JRC, European Commission</i>
15:35 – 16:00	Current status of the elaboration of maps for climatic and seismic actions in the Balkan region - summary <i>R. Apostolska – UKIM – IZIIS, Skopje</i>
16:00 – 16:30	Coffee break
	Chairs: A. Pinto and S. Dimova
16:30 – 17:45	Round table discussion and closure