



SUZI | SAAE

SERA
Seismology and Earthquake Engineering
Research Infrastructure Alliance for Europe

 **EUCENTRE**
FOR YOUR SAFETY.

 **GEM**
GLOBAL EARTHQUAKE MODEL
working together to assess risk

SERA Balkans Seismic Risk Workshop, 13-14 June 2019

Final Programme

*Venue: Faculty of Civil Engineering, University of Belgrade
Bulevar Kralja Aleksandra 73, 11000 Belgrade, Serbia (First Floor)*

Thursday, 13 June 2019

SESSION 1 (OPEN FOR WORKSHOP PARTICIPANTS, SUZI-SAAE MEMBERS, AND OTHERS)

Venue: Reception Hall, Faculty of Civil Engineering

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| 9.00-9.15 | Welcome address (SAEE, Faculty of Civil Engineering) |
| 9.15-9.30 | Objectives of the workshop
Dr. Helen Crowley, EUCENTRE, Pavia, Italy |
| 9.30-10.30 | GEM's Seismic Risk Framework
Dr. Vitor Silva, GEM Foundation, Pavia, Italy |
| 10.30-11.00 | COFFEE BREAK¹ |
| 11.00-11.30 | OpenQuake-engine Demo
Venetia Despotaki, GEM Foundation, Pavia, Italy |
| 11.30-12.30 | SERA European Risk Model
Dr. Helen Crowley, EUCENTRE, Pavia, Italy |
| 12.30-13.30 | LUNCH BREAK² |

¹ Sponsored by SUZI-SAAE

² Lunch arrangements for all participants (June 13 and 14) have been made in a restaurant in the vicinity of the Faculty of Civil Engineering building – directions to be given on June 13 am

SESSION 2

Venue: Classroom 123, Faculty of Civil Engineering

- 13.30-16.00 **Seismic risk-related research in Balkan countries** (25-minute presentations)
Research related to seismic risk in Slovenia - Dr. Matjaž Dolšek (Slovenia)
Creating a database of buildings of Osijek, Croatia - Dr. Marijana Hadzima-Nyarko (Croatia)
Review and current status of seismic hazard assessment for North Macedonia – Dr. Radmila Shalić and Dr. Zoran Milutinović (North Macedonia)
Seismic risk in large-panel buildings in Bulgaria - Anton Andonov (Bulgaria)
Seismic Behavior of Typical Masonry Buildings from Bosnia and Herzegovina – Dr. Naida Ademović (Bosnia and Herzegovina)
- 16.00-16.30 **COFFEE BREAK AND DISCUSSION¹**
- 20.00-23.00 **DINNER FOR THE WORKSHOP PARTICIPANTS**
Restaurant *Lovac*, Alekse Nenadovića 19, Belgrade (www.restoranlovac.rs)

Friday, 14 June 2019

SESSION 3

Venue: Classroom 123, Faculty of Civil Engineering

- 09.00-10.30 **SERA European Exposure Model - Focus on the Balkans**
Venetia Despotaki (GEM Foundation, Pavia)
- 10.30-11.00 **COFFEE BREAK¹**
- 11.00-12.30 **Balkan exposure model: Methodology and Status** (20-minute panel presentations followed by discussion)
Chair: Dr. Svetlana Brzev

Development of exposure model for Croatia – Dr. Josip Atalić and Dr. Marta Savor Novak (Croatia)

Structural classification of building and bridge assets in N. Macedonia – Dr. Veronika Shendova and Dr. Roberta Apostolska (North Macedonia)

Development of exposure datasets for Serbia – Jovana Borožan (Serbia)
- 12.30-13.30 **LUNCH BREAK²**

SESSION 4

Venue: Classroom 123, Faculty of Civil Engineering

13.30–15.30 **Risk assessment and mitigation initiatives in Balkan countries** (30-minute presentations)

Chairs: Dr. Marijana Hadzima-Nyarko and Jovana Borozan

Review on systemic management of seismic risk in SFR Yugoslavia – experience and contribution of IZIS - Dr. Zoran Milutinović (North Macedonia)

Challenges associated with seismic risk assessment in Croatia - Dr. Josip Atalić (Croatia)

15.30-16.00 **COFFEE BREAK¹**

16.00-17.30 **Relevant issues related to seismic risk mitigation in Europe** (20-minute presentations)

Chair: Dr. Željko Žugić

Exposure model for Serbia: case study of Kragujevac - Andrija Zorić (Serbia)

Soil-structure interaction analysis including seismic hazard filtered selection of ground motions - Kemal Edip (North Macedonia)

Base isolation system of BIOSENSE Lab Building Modul against seismic and external vibrations – Prof. Danilo Ristić, Prof. Dragan Zlatkov, and Andrija Zorić (North Macedonia/Serbia)

17.30-18.00 **Closing discussion**

Organizing Committee:

Helen Crowley (Italy), Svetlana Brzev (Serbia), Željko Žugić (Serbia),

Marijana Hadzima-Nyarko (Croatia), Jovana Borozan (Serbia), and Veljko Koković (Serbia)

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