

Agenda for Izmir Meeting on Sustainable Earthquake Reconstruction

April 26

09.30-09.50 Welcome speech – İlker Kahraman

09.50 – 10.20 Introduction, Prof.Dr. Ender Bulgun, Dean / Murat Aşkar, Rector of IUE

10.20 - 10.40 Current situation – Mustafa Özçelik, Head of Chamber of Architects Hatay Branch

10.40 – 11.00 Current situation – Hatay – Emre Uras, Architect, İskenderun Municipality

11.00 – 11.20 Current Situation Kahramanmaraş- Yunus Emre Kaçamaz – Head of Chamber of Architects Kahramanmaraş Branch

11.20 – 12.00 Break

12.00 – 12.20 Current situation Malatya – Head of chamber of commerce and industry / Oğuzhan Ata Sadıkoğlu

12.20 – 12.40 Current situation Malatya - Yunus Emre Fidanel - Head of Chamber of Architects Malatya Branch

12.40- 13.00 – Current Situation İzmir – Chamber of City Planners

13.00- 14.00 Lunch

14.00 – 14.30 Prof.Dr.Hüseyin Tarık Şengül, Middle East Technical University, Faculty Of Economic And Administrative Sciences, Department Of Political Science And Public Administration

14.30- 14.50 Emin Yahya Menteşe, Orkut Murat Yılmaz, Description: Tomorrow's Cities Decision Support Environment (TCDSE)

14.50 – 15.20 0 Framework for sustainable Resilient Cities – Nils Larsson

Assess rapid repair and reconstruction v. sustainable reconstruction approaches

Re-use debris and damaged materials and equipment (needs triage and storage facilities)

Establish database of quake-sensitive zones

Identify damaged utilities and options for their reconstruction

Define safe reconstruction zones by structure and soil types

Establish local development corporations? Traveling reconstruction support teams?

Adopt small-scale urban planning principles for sustainable outcomes

Re-use infrastructure and utility rights of way where possible

Reserve areas of ecological value, minimize exposure to unstable soils, flood and wildfire areas.

Proritise public transport, minimize parking and roadways for private vehicles

Maximise tree cover

Use Synergy Zone approach to balance surpluses and deficits in thermal energy, power demands and grey water

Plan mixed uses for land use efficiency, easy access etc.

Consider socio-economic issues in reconstruction process

Develop updated earthquake resistance construction standards

Structural approaches for durability and quake resistance in buildings >3 floors

Durability and quake resistance for buildings <3 floors

Establish training for skills needed for reconstruction of small houses

Establish training for inspection and quality control

Establish a database of workers and inspectors with skill levels

Use third-party inspections and penalties to control unsafe renovation and structural changes during occupancy by owners, tenants and occupants

Enforcement

15.20 -15.30 Q & A

15.30 – 15.45 Break

15.45 – 17.15 Sustainable Resilient City Planning workshop

(Prof.Dr.Koray Velibeyoğlu + Res.Assit. Duygu Kahraman)

17.15 -17.30 Break

17.30 - 18.00 Closing Session- Forum

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10.00 -10.40 Success Story of Chile Cristián Alfredo Wittig Grell

This presentation deals with the great utility and vital importance for Turkey of analyzing the extraordinary Chilean experience regarding its evolution over time in the construction of mitigation strategies for the development of resilient cities against large earthquakes, tsunamis and recently large Wildfire Forest Storm. .

Especially referring to the construction, evolution, review and continuous updating of its Seismic Regulatory Body and the construction of a Guarantor Institution, strong, empowered, which requires compliance with all this seismic regulatory body.

This has been, among some other factors, the great success factor of Chile in its resistance and successful survival to the biggest earthquakes and tsunamis in the history of mankind.

Finally, the great and concrete opportunity for Turkey to take this successful Chilean experience as a formal reference to start the great and very important work of reviewing, updating and continuous improvement of its seismic regulations and the efficiency and effectiveness of its Guarantor Institution, may a human tragedy of the proportions produced by the earthquakes of 1999 and 2023 never occur again.

10.40 -11.00 Q&A

11.20 – 11.40 Earthquake regulations of Turkey – Chamber of Civil Engineers

11.40 – 12.00 Importance of Soil- Prof.Dr.Hasan Sözbilir, DEU

12.00 – 12.20 Banu Dayangaç, Head of Izmir Metropolitan Municipality Earthquake Risk Management and Urban Improvement Department

12.20 – 12.40 Steps after October 30 Samos island earthquake, Halkyapı Example , Özge Kırlioğlu, Ege Şehir A.Ş. Genel Müdür Yardımcısı

12.40 13.45 LUNCH

WOODEN BUILDINGS

13.45 – 14.15 Wooden buildings legislation – Prof..Dr.Ahmet Türer (METU)

14.15 – 14.50 Wooden Buildings – Prof.Dr. Ario Ceccotti

14.45 – 15.05 [Robert Jockwer](#), Associate Prof. Dr., Division of Structural Engineering, Chalmers- (online)

15.05 – 15.35 Murat Morel, Project Field Coordinator, UNDP, “Türkiye’de Düşük Maliyetli Enerji Verimli Ahşap Binaların Teşvik Edilmesi Projesi”

15.35 – 15.50 break

15.50 – 16.20 Wooden Building examples , Mehmet Akif Asmaz, Asmaz Ahşap,

16.20 – 16.50 - Wooden Building examples, Himmet Erbay, Naswood

16.50 – 17.30 Closing / Forum

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Temporary shelter design marathon. (All day)

Temporary shelters to be built here with at least 10 years in mind, to serve different families during the renovation period,

It is aimed that these structures will turn into a structures in the city periphery as villages. It will be taken into account that the construction of the structures will be quite simple and will have a low cost. It is desired to create an environment where the wounds will be healed together.

The design teams will be formed with the invitees, especially from Izmir, and an answer will be sought to the above-mentioned problem in the company of the executives.

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