**12th PPRD South “prevention and preparedness”**

**workshop for staff-level officials**

**“Multi-hazard risk assessment in urban environment”**

***Lisbon, Portugal***

***17-19 October 2012***

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***Purpose:*** *to contribute to advancing national expertise on the multirisk assessment and on most recent developments in the EU in the field of vulnerability analysis. To guide the participants through the various steps required to make a consistent assessment of the vulnerability, resilience and risk from multiple hazards in an urban environment.*

**Agenda**

**Day 1: Wednesday, 17 October 2012**

***Block 1: setting the scene***

09:00 - 09:30 The multirisk approach in the Civil Protection activities: there are only “pros”...for each part of the disaster cycle!

*Pierluigi SODDU, PPRD South Executive Director*

09:30 - 10:30 Presentation of the EU funded FP7 project MATRIX - New methodologies for multi-hazard and multi-risk assessment methods for Europe

*Fabio Sabetta, Head of hazard and seismic risk service, Seismic and Volcanic Risk Office, Italian Civil Protection Department*

10:30 -11:00 *Coffee break*

***Block 2: multi risk assessment: the European Union approach***

11:00 - 12:00 MATRIX CITY platform: Virtual City and test cases

 *Arnaud Mignan, Swiss Seismological Service (SED)*

12:00 - 12:30 Question & answers

12:30 - 14:00 *Lunch*

14:00 - 16:30 MATRIX Group exercise

*Sabetta, Mignan, PPRD South team*

16:30 - 17:00 *Coffee break*

17:00 - 17:45 Group reports and block wrap-up

*Sabetta, Mignan, PPRD South team*

17:45 – 18:00 Key learning points from Day 1

**Day 2: Thursday, 18 October 2012**

***Block 3: vulnerability assessment: the European Union approach***

09:00 - 10:00 Presentation of the EU funded FP7 project ENSURE - Enhancing Resilience of Communities and Territories Facing Natural and Na-tech Hazards

*Scira MENONI, Politecnico of Milan*

10:00 - 10:30 Examples of applications of the Ensure methodology. The challenges of vulnerability and resilience assessment to multiple hazards.

*Scira MENONI, Politecnico of Milan*

10:30 -11:00 Coffee break

11:00 - 11:30 The Ensure methodology for the assessment of the risk vulnerability in Mediterranean cities.

*Funda ATUN, Politecnico of Milan*

11:30 - 12:00 Question & answers

***Block 4: putting theory into practice***

12:00 - 13:00 Introduction to the workgroup practical exercise on: multi-hazard risk assessment in urban environment, the case of Lisbon downtown.

*Scira MENONI and Funda ATUN, Politecnico of Milan*

13:00 - 14:30 *Lunch*

14:30 - 18:00 Study tour in the area of Lisbon affected by the earthquake/tsunami/fire of 1775

 *Portuguese National Authority for Civil Protection, Lisbon City Council*

 *Scira MENONI and Funda ATUN, Fabio SABETTA and Arnaud MIGNAN*

**Day 3: Friday, 19 October 2012**

09:00 – 10:30 Results of the workgroup practical exercise on: multi-hazard risk assessment in urban environment, the case of Lisbon downtown.

 *Scira Menoni, Funda Atun, Politecnico of Milan*

10:30 -11:00 Coffee break

11:00 - 12:00 Compared analysis of the MATRIX and the ENSURE methodologies and tools on the basis of the results of the practical exercises.

 *Arnaud Mignan, Swiss Seismological Service (SED), Scira MENONI, Politecnico of Milan*

12:00 - 12:30 Question & answers

12:30 - 13:00 Wrap-up and conclusions of the workshop

13:00 - 14:30 *Lunch*