

FLOOD DAMAGE MODELLING

Experiences from European Countries

1st October 2018, Aula Castigliano, Building 5 - ground floor,
Politecnico di Milano, Piazza Leonardo da Vinci 32, Milano

With the shift from “flood hazard control” to “flood risk management”, flood damage assessment became crucial both to support the evaluation of risk mitigation strategies at the level of single exposed items (e.g. for emergency planning and management, or for measures at the local level like insurance or water-proofing) and for flood risk management at the municipal, regional and catchment levels. Still, flood damage modelling is still an immature field of research, facing scientists with several challenges mainly linked to the lack of data and knowledge on damage mechanisms to derive accurate and reliable damage models. In this context, this seminar will supply experiences from two European countries, i.e. France and UK, covering flood damage modelling and assessment to different exposed sectors and at different spatial scales.

In detail, in the first talk, the experience gained in France in modelling flood damage to economic activities by means of an expert-based synthetic approach will be presented, while in the second talk the focus shifts to advances in flood damage modelling to the road network in UK.

The seminar is offered within the research project “Flood-IMPAT+: an Integrated Meso & micro scale Procedure to Assess Territorial flood risk”, funded by Fondazione Cariplo, and is hosted by the Department of Civil and environmental Engineering (DICA) of Politecnico di Milano.

Agenda

- 14.30 -14.35 **Welcome & Introduction**
Daniela Molinari, DICA – Politecnico di Milano(PI of the Flood-IMPAT+ project)
- 14.35 – 15.20 **XXX**
Pauline Brémond, Irstea, Montpellier, France
- 15.20 - 15.30 **Break**
- 15.30 – 16.15 **XXX**
Maria Pregolato, Newcastle University, Newcastle, UK
- 16.15 – 16.45 **Open discussion & Conclusion**
Daniela Molinari (moderator), DICA, Politecnico di Milano, Italy

Speakers

Pauline Brémond is a research fellow in economics at the “Institut national de recherche en sciences et technologies pour l’environnement et l’agriculture – Irstea” in France.....

Maria Pregolato is EPSRC Fellow at the School of Engineering in Newcastle Univeersity (UK).....

