



## Patronage:

- Università degli studi di Pavia  
Dipartimento di Scienze della Terra e dell' Ambiente
- Associazione Italiana di Geografia Fisica e Geomorfologia
- World Centre of Excellence on Landslide Disaster Reduction



## 2<sup>nd</sup> International Summer School (Pavia, Lombardy, Italy) 02.-06.07.2018



## Natural Hazards and related Sediment Dynamics on Catchment Scale

**Location:** Val Tidone e Oltrepo Pavese (Park Hotel a Salice Terme; <http://www.parkhotel.pv.it>)

### Preliminary programme:

The 2<sup>nd</sup> international Summer School is focussing on the assessment of the active natural hazards in the Oltrepo and upper Val Tidone area. We will analyse especially soil erosion and mass movement processes and will study the sediment pathways routing the related sediments into the river network. We will illustrate innovative techniques including proximal (PS) and remote sensing (RS) as well as non-invasive ground techniques to quantify soil and substrate characteristics. Moreover, we will show advanced techniques to trace and measure suspended sediments and bedload transport. The obtained data will be processed and used as input information for stochastic and physically based computer simulation models.

### Lecturer:

Michael Maerker, Luisa Pellegrini, Pier Luigi Vercesi, Francesco Zucca, Patrizio Torrese, Alberto Bosino, Claudia Meisina (UniPV), Michal Habl, Dawid Szatten (Uni Bydgoszcz, Poland), Ulrike Hardenbicker (Uni Regina, Canada), Vit Vilimeck (Uni Prague, Czech Republic), Reza Zakerinejad (Uni Isfahan, Iran), Geraldine Queneherve (Uni Tübingen, Germany), Elmar Schmaltz (BAG Vienna, Austria), Ivano Rellini (Uni Genova, Italy).

The number of participants is limited to 30 persons.

Registration is open till 15.06.2018 and participation is free of charge.

For registration and further information send an email to:

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