FLASH FLOODS AND PLUVIAL FLOODING

ISPRA
Istituto Superiore per la Protezione e la Ricerca Ambientale

REGIONE AUTONOMA DELLA SARDEGNA

MINISTERO DELL'AMBIENTE E DELLA TUTELA DEL TERRITORIO E DEL MARE

Working Group F Thematic Workshop

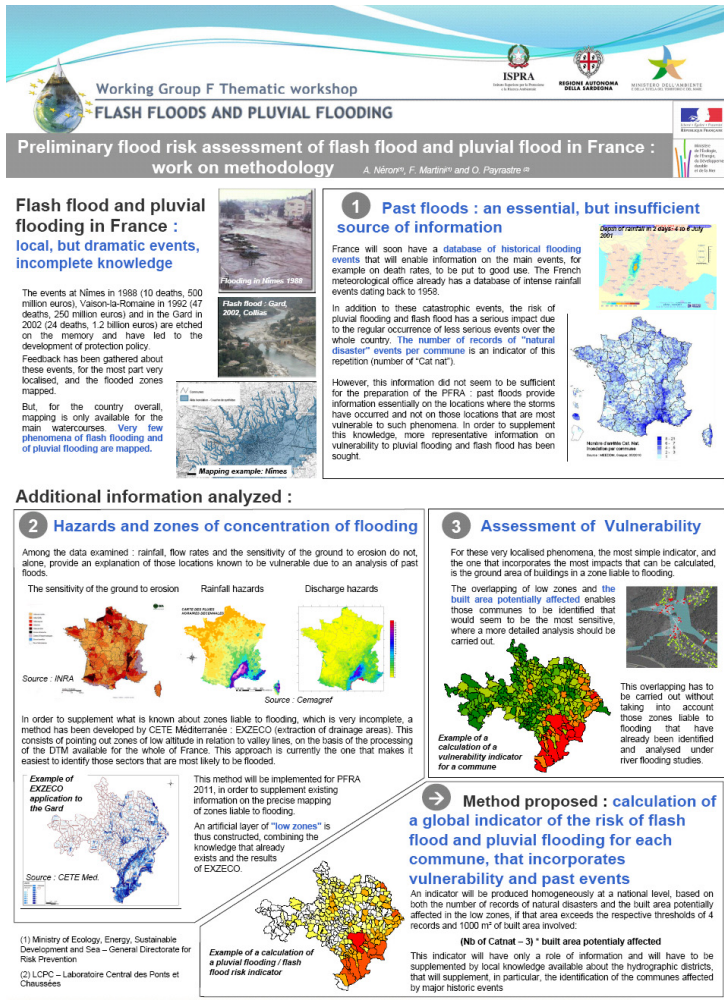
PFRA of flash flood and pluvial flooding in France

Alice Néron, Frédérique Martini, Olivier Payrastre
MEEDDM

26th-28th May 2010, Cagliari, Italy

PFRA of flash flood and pluvial flooding in France

- **Pluvial Flooding and flash flood :**
  - Very localised events but can occur almost everywhere
  - Impacts can be very strong
- **Objective of PFRA :**
  - At the scale of the river bassin district : to get an overview of this phenomena and their potential adverse consequences
  - To identify areas of potential significant flood risk
- **Difficulties :**
  - Contrary to flooding from rivers, incomplete knowledge of potential flood extent
  - Past floods : incomplete overview of the potential vulnerability of the territory



PFRA of flash flood and pluvial flooding in France

- **Work on methodology : two majors issues**
  - Test of different indicators, looking for an explanation of the variability of the phenomena and their impacts
  - What is the most relevant scale of aggregation to the analysis and undersdanding of the phenomena ?
- **Method proposed :**
  - An indicator combining number of past events and buit area in the thalwegs, calculated at the scale of the commune
  - This indicator, combined with other local knowledge, will facilitate the identification of APSFR.