

OODING

Working Group F Thematic Workshop

Characteristics of the extreme rainfall event and consequent flash floods in North-East part of Sicily, Italy in October 2009

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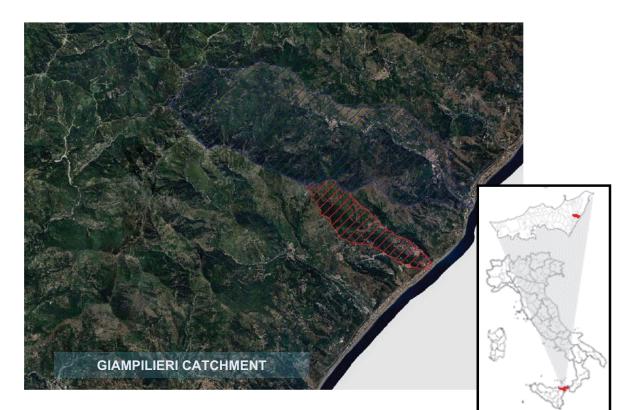
> > 26th-28th May 2010, Cagliari, Italy



FLASH FLOODS AND PLUVIAL FLOODING

Introduction

The catastrophic events that occurred in 1st October 2009 in the area of Messina, Sicily highlight the destructive potential of debris flows. 42 people dead and severe property damages (around 500 Million Euro) took place when debris flows triggered by heavy rainfall inundated various towns and villages located along the coast.





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- Event description
- Event analysis (storm severity)
- Soil moisture conditions
- Hydrological analysis (flood hydrograph)
- Debris flow volume evaluation
- Ground effects

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The event

A deep cyclone developed in the Southern part of the Mediterranean basin producing an intense rainstorm over North-Eastern part of Sicily, Italy

DELLA SARDEGNA

MINISTERO DELL'AMBIENTE

ISPRA

The storm was concentrated on the lonic sea coast

