

ISSUE: 03. EXTREME EVENTS IN WINTER TIME

SUB-ISSUE: Management in extreme events conditions

Session: ()

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Room:

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Presentation title:

CHARACTERIZATION OF EXTREME WEATHER EVENTS ON ITALIAN ROADS

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Summary:

According to climate modellers, probability, frequency, duration, intensity of extreme weather events are increasing and will be more frequent in future. When these weather features are combined with hilly landscape, lack of permanent and dense vegetation cover, inefficient land use planning and management practices and soils with unfavourable physical properties, then increased extreme soil moisture situations, be it either waterlogging or drought, may develop. The former will lead to higher surface runoff and flood events while the latter will cause landslides phenomena and a break of roads network. The impact of such events depends greatly on the physical hydraulic and mechanical properties of soils.



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