

COST Action: TU1202

STSM Topic: Risk assessment framework for engineered slopes for infrastructure

Period: 2013-09-21 to 2013-11-21

STSM type: Regular (from Croatia to Ireland)

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Working group: WG4 (Hazard/Risk)

Work plan summary:

On 1st WG4 meeting, it was agreed to compile a state of the art on risk assessment procedures. This will involve collation of data from members and the general literature, and will be done as part of this STSM.

Further, as a first step to creating a generic risk assessment framework for European railway networks that might be susceptible to climate change effects a study on the various uncertainties that impact on slope stability will be undertaken. There will be a particular focus on those parameters that are important to steep slopes, which are prevalent across the Irish and European rail network. The work will be performed in association with Irish Rail, the National infrastructure managers who are also partners on FP7 SMARTRAIL project (led by Dr Kenneth Gavin), thematically aligned to this Action. Where specific uncertainties cannot be quantified due to a lack of available data (such as suction values), proxy measurements for these parameters will be identified.