

## Thesis/Project proposal

<b>Name</b>	WSN&GIS Integration for efficient/effective monitoring
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<b>Type</b>	Implementation, Research
<b>Keywords</b>	WSN, GIS
<b>Description</b>	<p>The work focuses on the extension of a work related to the exploitation of WSN and GIS technologies for monitoring.</p> <p>Possible extensions:</p> <ul style="list-style-type: none"> <li>- (1) Development of a framework for monitoring of landslides and validation (by simulation and/or experimental activities)</li> <li>- (2) Adaptation of the framework to manage other natural hazards (e.g., flooding)</li> </ul>
<b>Expected Duration</b>	(1): 2-3 months (2): 2-3 months
<b>References (Online)</b>	<p>P. Di Felice, L. Pomante and A. Di Felice. Safety of Physical Assets: A Ranking Method and its GIS Implementation. Computational Science and Its Applications, 2 – 5 July, 2018, Melbourne, Australia. Springer International Publishing AG, part of Springer Nature 2018 O. Gervasi et al. (Eds.): ICCSA 2018, LNCS 10962, pp. 1–14, 2018.</p> <p>L. Pomante, P. Di Felice. WSN and GIS Integration for a Cost-Effective Real-Time Monitoring of Landslides on Railway Stations and Lines. IEEE 29th Annual International Symposium on Personal, Indoor, and Mobile Radio Communications (PIMRC) - Workshop WS-10 on "Railway RoSe: Wireless Robots and Sensors Networks for Railway Systems": IEEE Railway RoSe 2018.</p>
<b>References (Attached)</b>	