NAME OF THE PROJECT: REMOTE SENSING TECHNIQUES FOR ARCHAEOLOGY

SHORT NAME: RESEARCH

PROGRAM: EXCELLENT SCIENCE - MARIE SKLODOWSKA-CURIE ACTIONS

STARTED AT: 01/11/2008

DURATION: 5 YEARS

ALL ABOUT THE PROJECT: https://www.re-se-arch.eu/

SUMMARY:



Within the framework of the RESEARCH project, Geosystems Hellas (GSH) is responsible for the identification and monitoring of land and structural movements in Cultural Heritage sites by the processing of medium to high-resolution Synthetic Aperture Radar (SAR) satellite images, by applying the interferometric technique and combining existing and newly developed modules. The generation of differential interferograms, the calculation of deformation maps through specific algorithms, and the generation of surface velocity maps are achieved, enhancing the monitoring status of CH sites. The RESEARCH project approach utilizes the produced land deformation hazard maps and effectively transforms them into qualitative useful information through a dedicated risk assessment methodology, applied via the Thematic Platform. The overall solution will offer a complete and easily accessible digital tool capable of providing/offering valuable information to stakeholders on different CH sites at risk, thus increasing the possibility to assess and prevent risk.

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CONSORTIUM:















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REMOTE SENSING TECH FOR ARCHAEOLOGY

