Funded in the framework of the Joint Programming Initiative on Cultural Heritage and Global Change (JPICH) – Heritage Plus, the project PROTHEGO (2015–2018) aims to make an innovative contribution towards the analysis of geohazards in areas of cultural heritage in Europe.

A comprehensive picture of sites threatened by geohazards is not available yet. Only part of the endangered sites is inscribed on UNESCO’s World Heritage in Danger list, whilst it is renowned that many could be affected by geological processes and ground instability.

PROTHEGO makes an effort to fill this gap by applying novel space technology based on radar interferometry (InSAR) to retrieve information on ground motion and map geohazards in the 400+ UNESCO’s World Heritage List monuments and sites of Europe.

PROTHEGO’s demonstration sites include:

- Rome (Italy)
- Alhambra (Spain)
- Derwent Valley Mills (UK)
- Choirokoitia (Cyprus)

PROTHEGO’s ultimate goal is to enhance cultural heritage management practices at National level, reinforcing institutional support and governance through knowledge and innovation, identifying, assessing and monitoring risks, and strengthening disaster preparedness at heritage properties in the future.