

## *Costiera Amalfitana*

### **Engineering geological conditions and problems:**

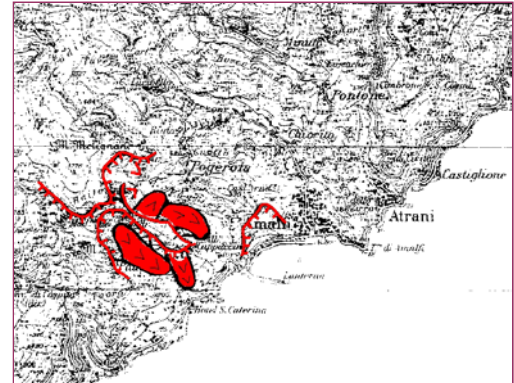
The Amalfi coast (Campania region) is one of great physical beauty and natural diversity. It has been intensively settled by human communities since the early Middle Age. It contains a number of towns such as Amalfi and Ravello which contain architectural and artistic works of great significance.

Landslides affect all the Sorrento's peninsula.

The mass movements can be subdivided in four classes (Civita *et al.*, 1975):

- Soil slips in pyroclastic deposits and sandy flysch;
- Slides involving 1-3 m of calcareous massif (superficial movements);
- Earth flows in sandy flysch;
- Falls of calcareous blocks. This movements are linked to larger and deeper landslides.

The *Costiera Amalfitana* is sited in a low seismic zone.



**Landslides in the Amalfi's area**  
([www.gndci.it](http://www.gndci.it))



**Panoramic view of Amalfi**  
([www.foto.portanapoli.com/amalfi.html](http://www.foto.portanapoli.com/amalfi.html))

### **Investigations and protection measures already realized:**

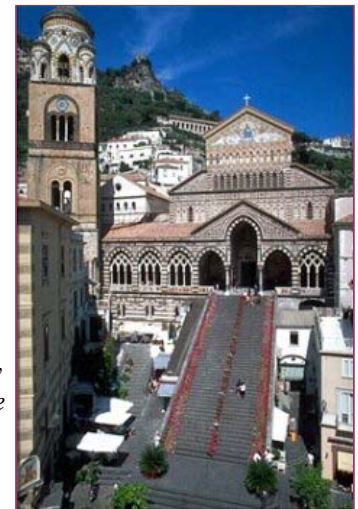
The recognition of different types of landslides and their localisation allowed the compilation of a hazard and risk map for the *Costiera Amalfitana* and the Sorrento Gulf areas (CNR-GNDC, Progetto AVI).

The Regione Campania realized a map of seismic hazard ([www.regione.campania.it](http://www.regione.campania.it)): the *Costiera Amalfitana* in the old classification was considered in a non seismic zone; now it's included in a low seismic zone.

### **Supplementary information:**

The *Costiera Amalfitana* was inserted in the UNESCO World Heritage List in 1997 because it is an outstanding example of a Mediterranean landscape, with exceptional cultural and natural scenic values resulting from its dramatic topography and historical evolution.

**The Amalfi's Cathedral**  
(<http://utenti.lycos.it/villaange/la2/id42.htm>)



### **References on studies already done:**

CIVITA M., DE RISO R., LUCINI P. e NOTA d'ELOGIO E. (1975) "Studio delle condizioni di stabilità dei terreni della penisola Sorrentina (Campania)". *Geologia Applicata e Idrogeologia*, vol. 10, 129-188.  
CNR – GNDCI "Progetto AVI – Aree vulnerate italiane - Censimento delle aree italiane storicamente vulnerate da calamità geologiche ed idrauliche" ([www.gndci.it](http://www.gndci.it))