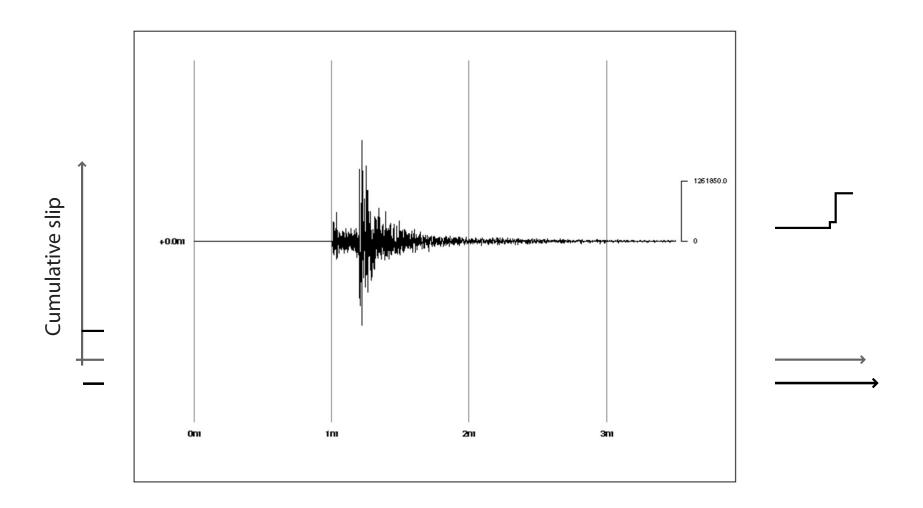
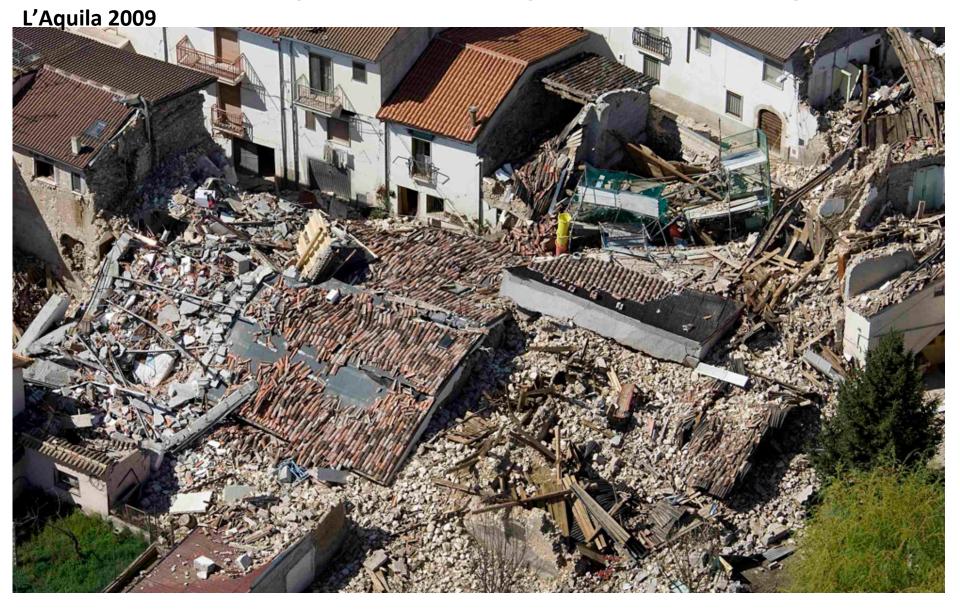
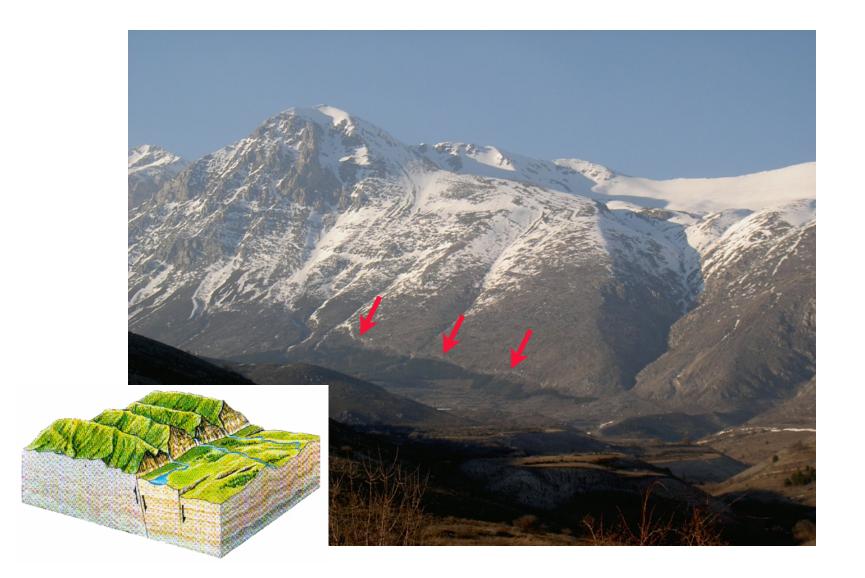
Earthquakes are sudden



Earthquakes impact society



Earthquakes shape landscapes



Frequency of large past earthquakes in the Aegean and associated risk susceptibility.

Combining cosmogenic dating, historical data, and spatial analysis - FEARS

L. Benedetti CEREGE and S. Robert ESPACE

WP1/WP3

Participants:

Olivier Bellier (CEREGE)

Jules Fleury (CEREGE)

Matthieu Ghilardi (CEREGE)

Magali Rizza (CEREGE)

Jim Tesson (CEREGE)

Cengiz Yildirim (ITU)

Vasiliki Mouslopoulou (**GFZ Postdam**) Ersen Aksoy (**Mugla Univ.**).





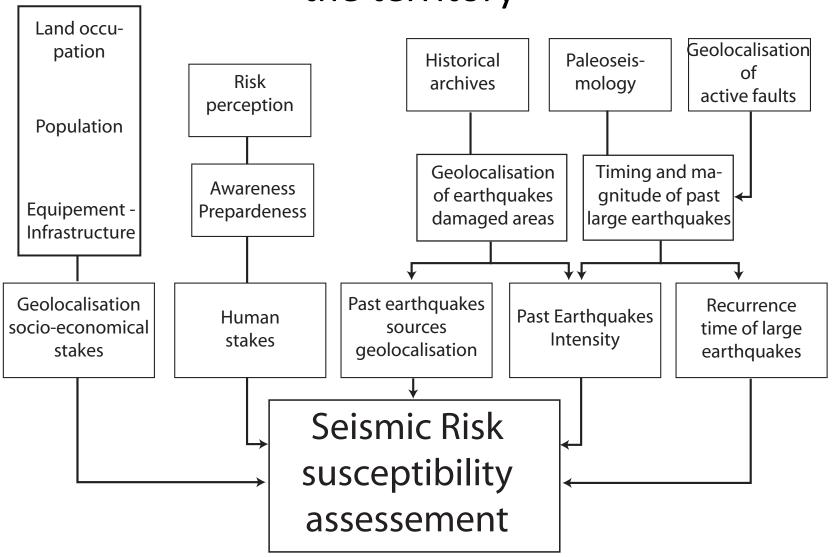




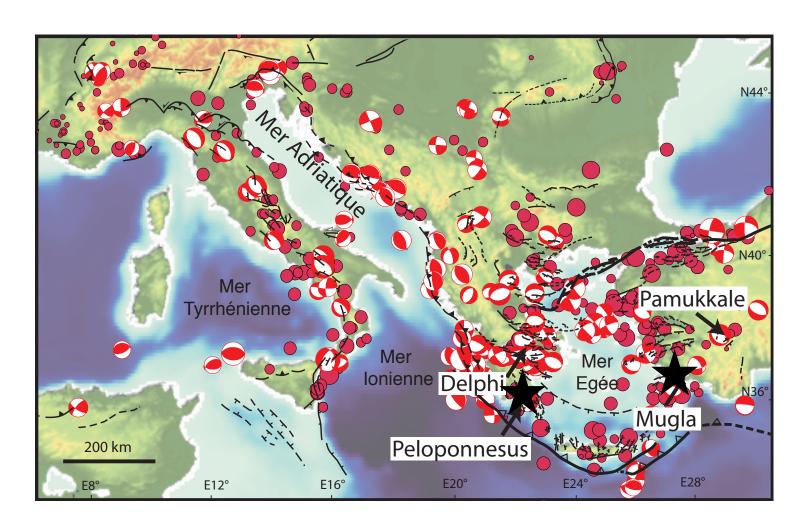




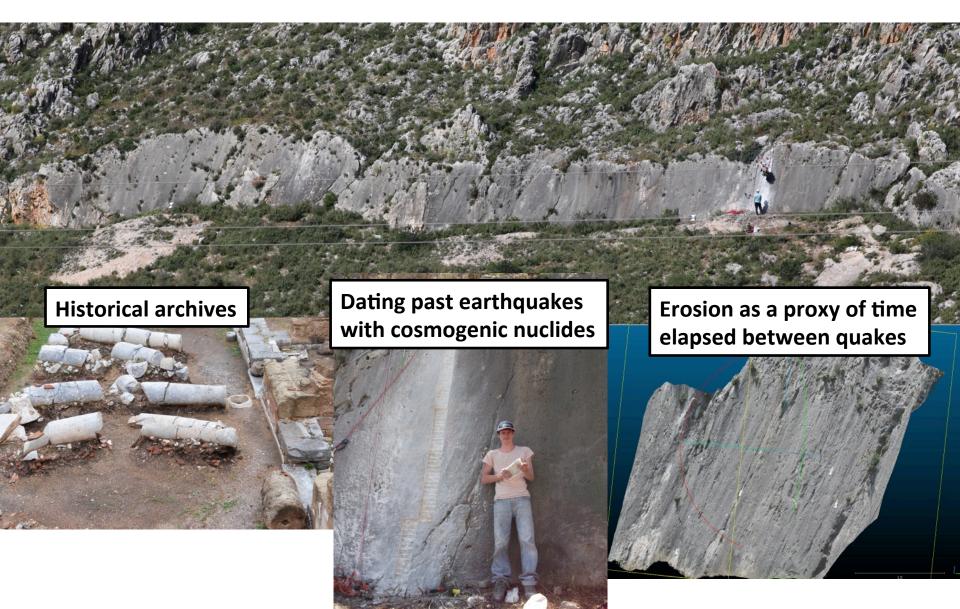
Our aim: combine knowledge on earthquake recurrence and on socio economical aspects of the territory



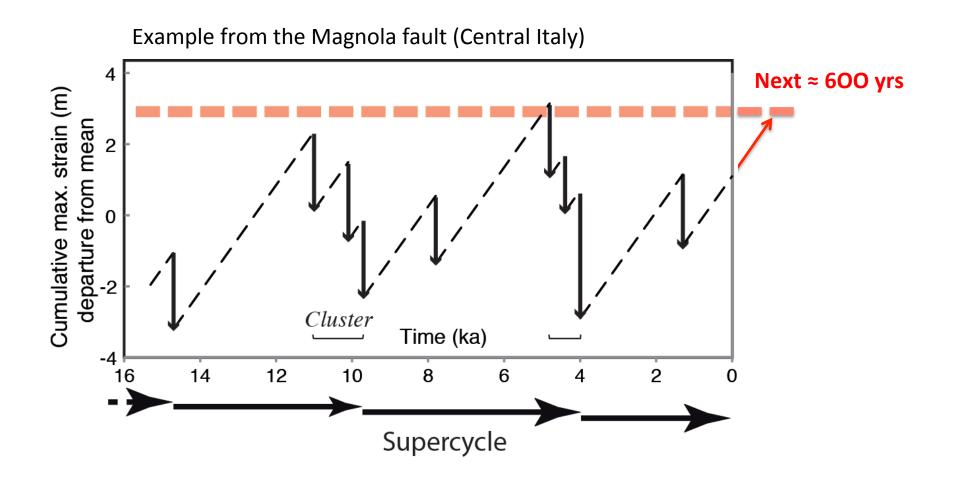
Two target sites in the Aegean



Data to unravel timing and slip of past large earthquakes

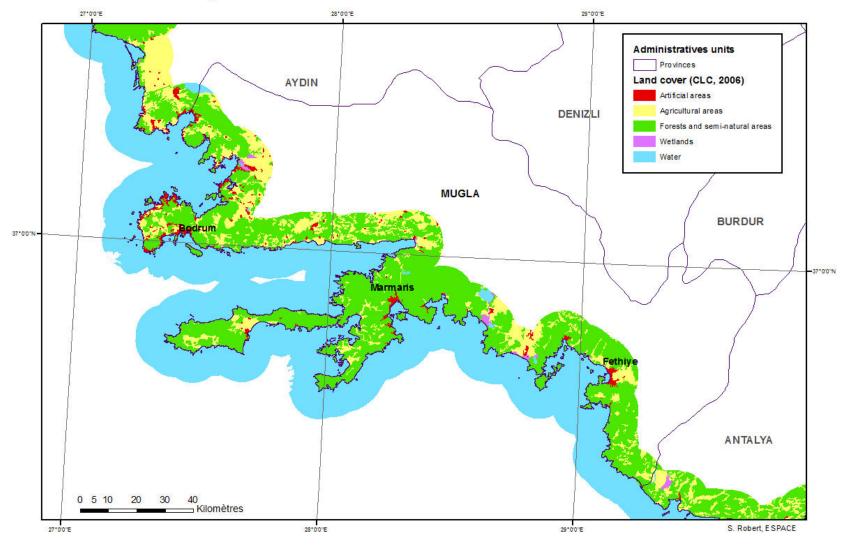


Results from 7 faults in Italy: Clusters of earthquakes and strain threshold

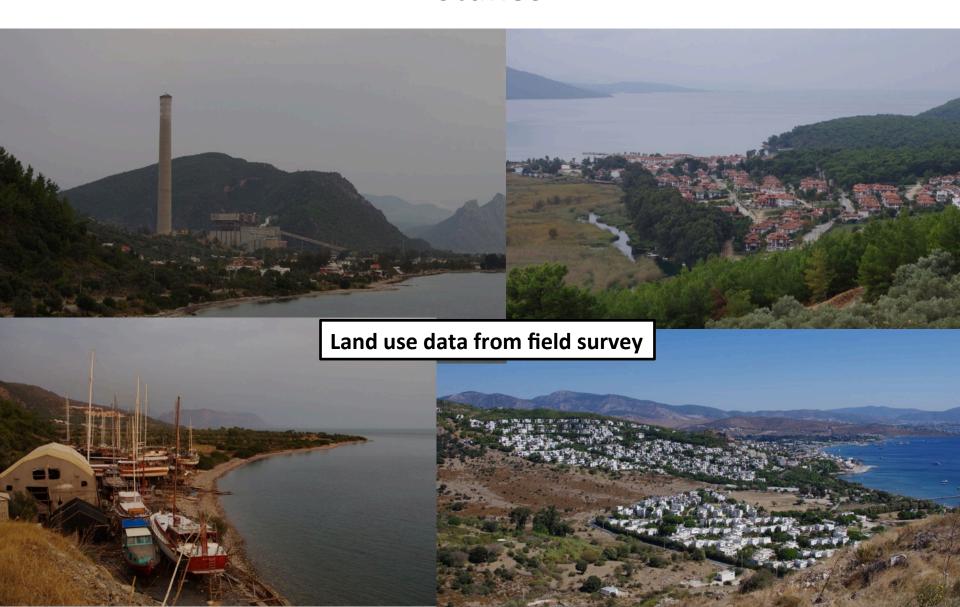


Data to caracterize human and economical stakes

Land cover in the Mugla coastal zone

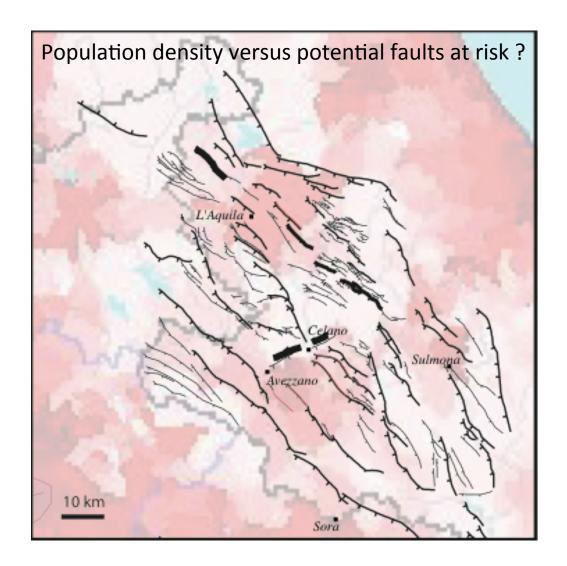


Data to caracterize human and economical stakes



Metrics to caracterise high seismic risk susceptibility?

- MS starting in Janv 2015
- J. Tesson PhD MRT funded 2013-2016



Main expected outcomes

- Understand how large earthquakes repeat in the Mediterranean area and what consequences on population and economy
- Reducing the gap between scientists and population in earthquake prone areas
- EU Project to widen this approach within the Mediterranean
- ⇒ International Training Network QUAKE'N'TIME









Univerza v Ljubljani









