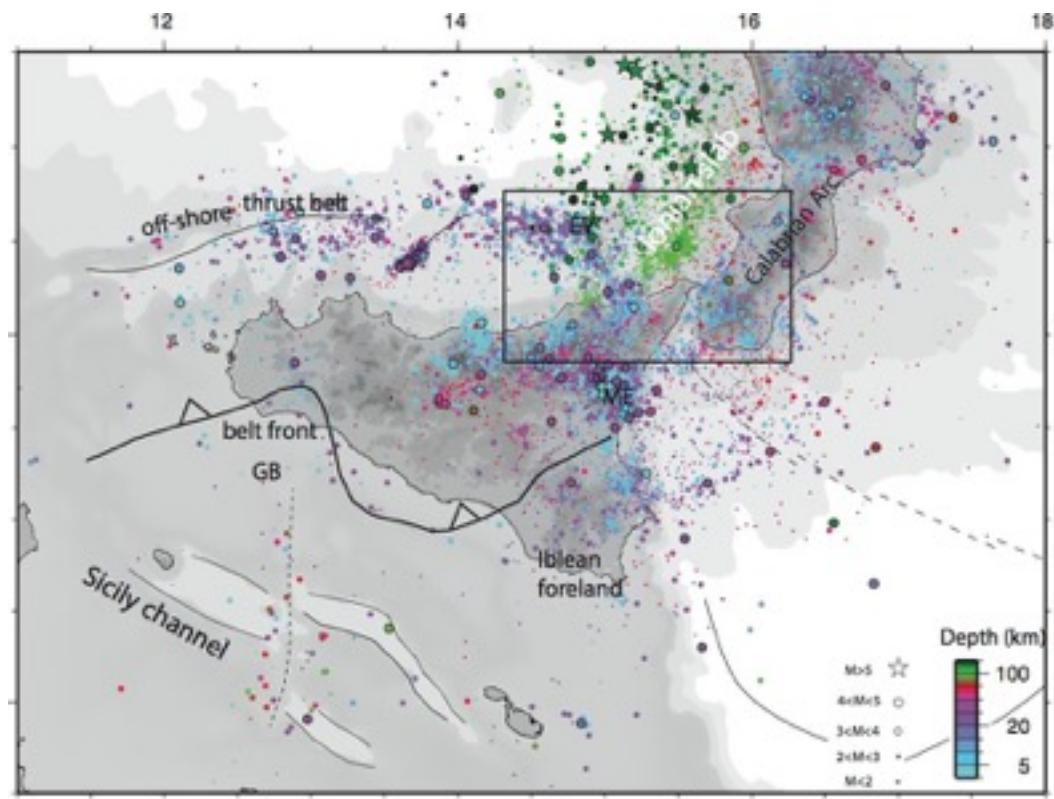
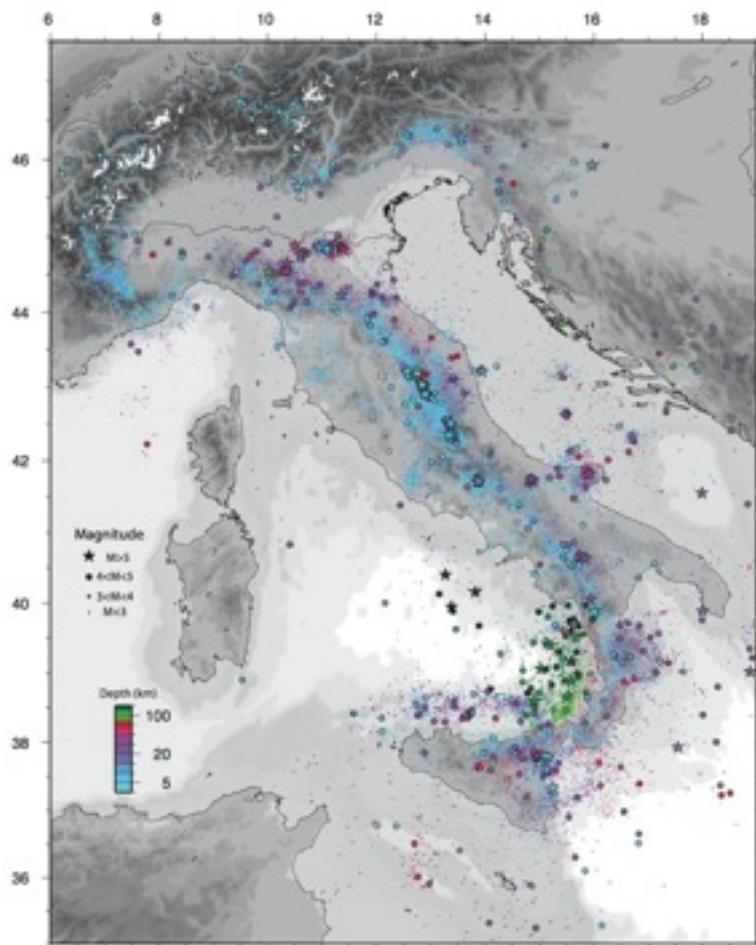


# The Messina Straits candidate supersites

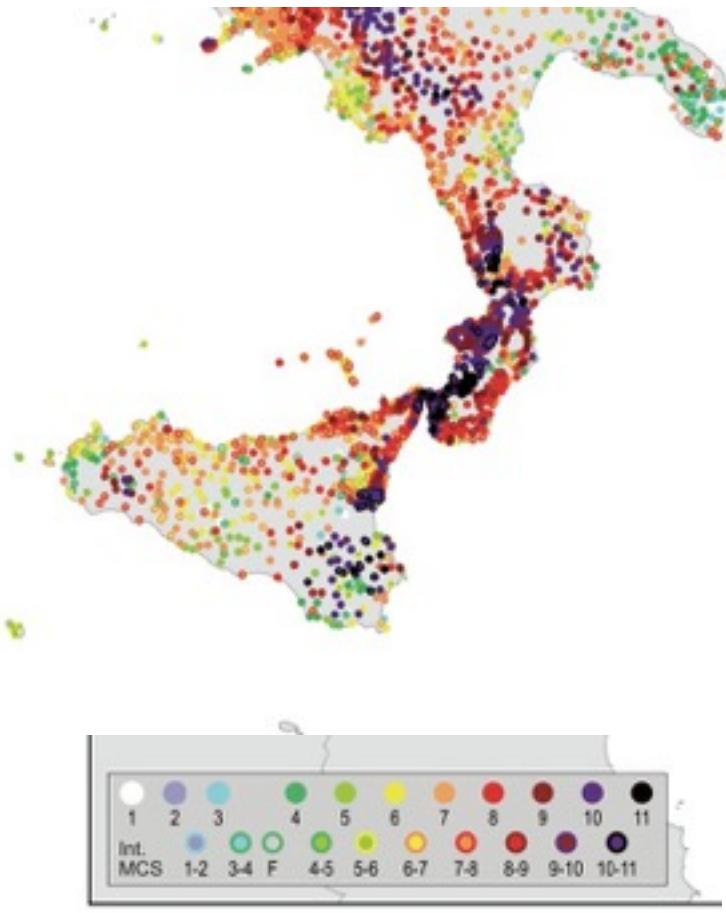


1980-2014 instrumental seismicity

# The Messina Straits candidate supersites

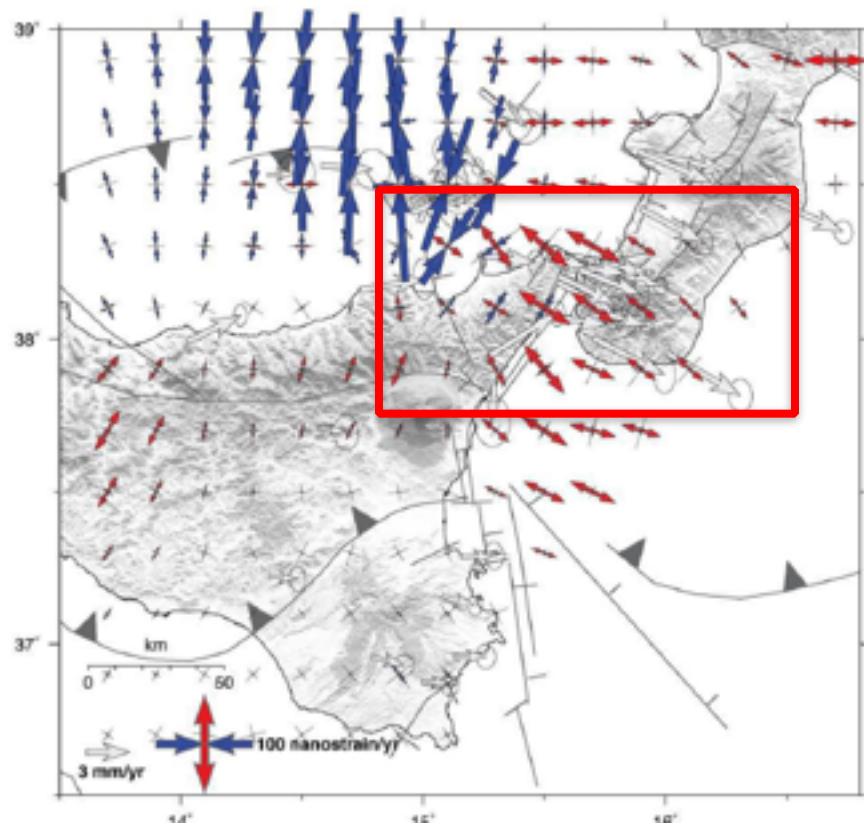
Strong Motivations:

- i) Large earthquakes (1908) and high seismic hazard

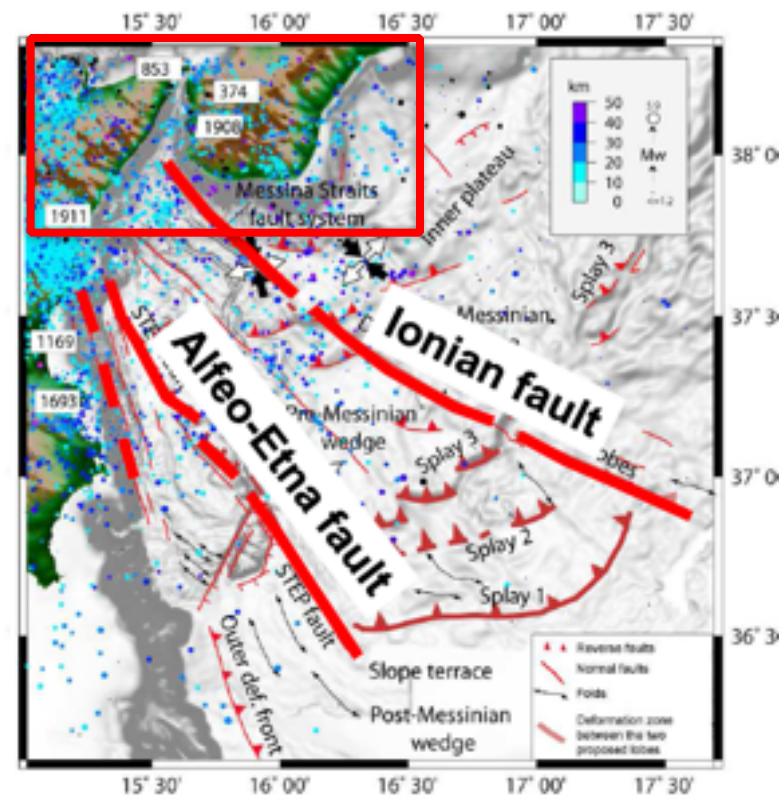


# Strong Motivation:

## ii) Active extension and lithospheric structures

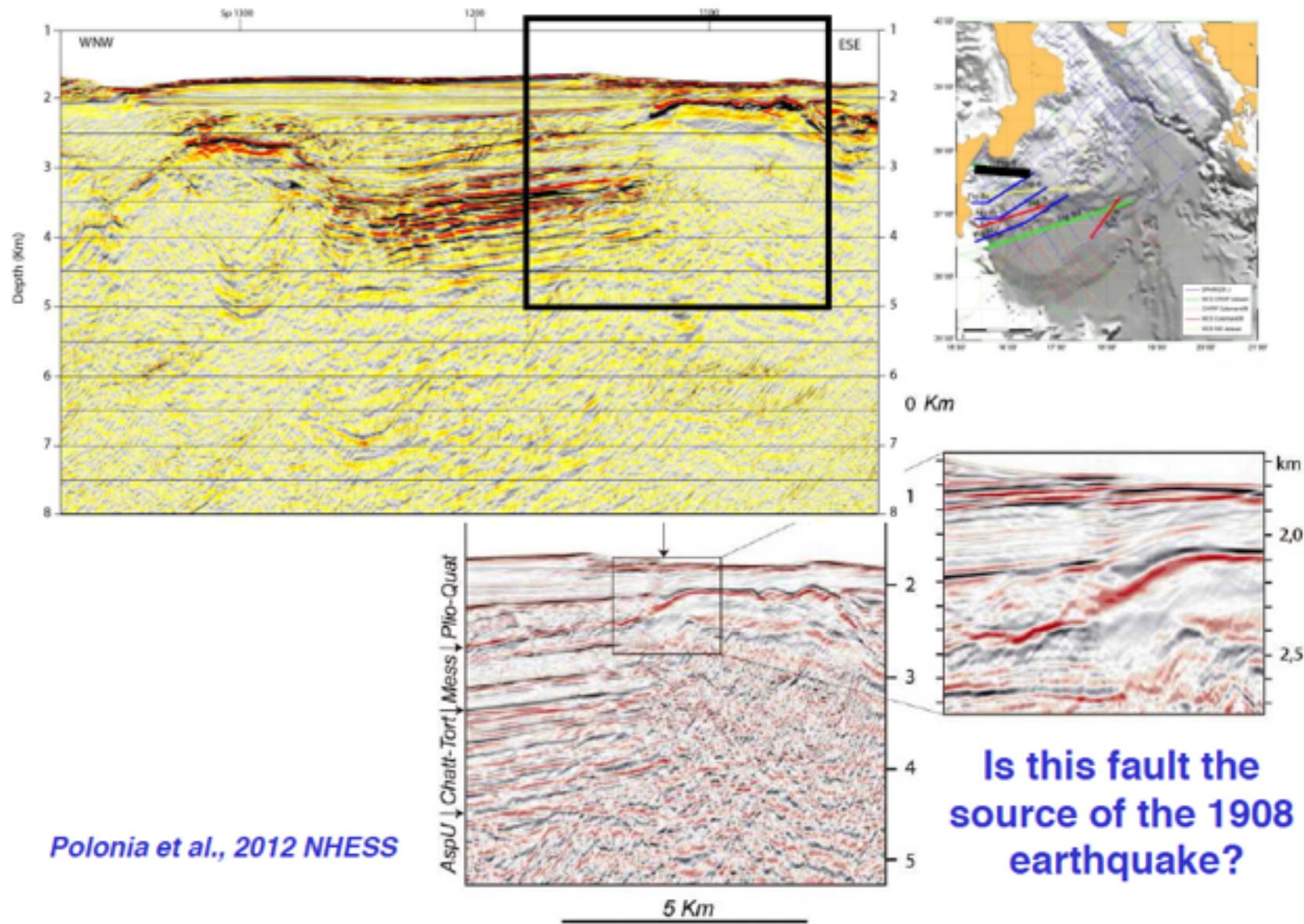


Serpelloni et al. (2010)



Polonia et al., 2012 NHESS

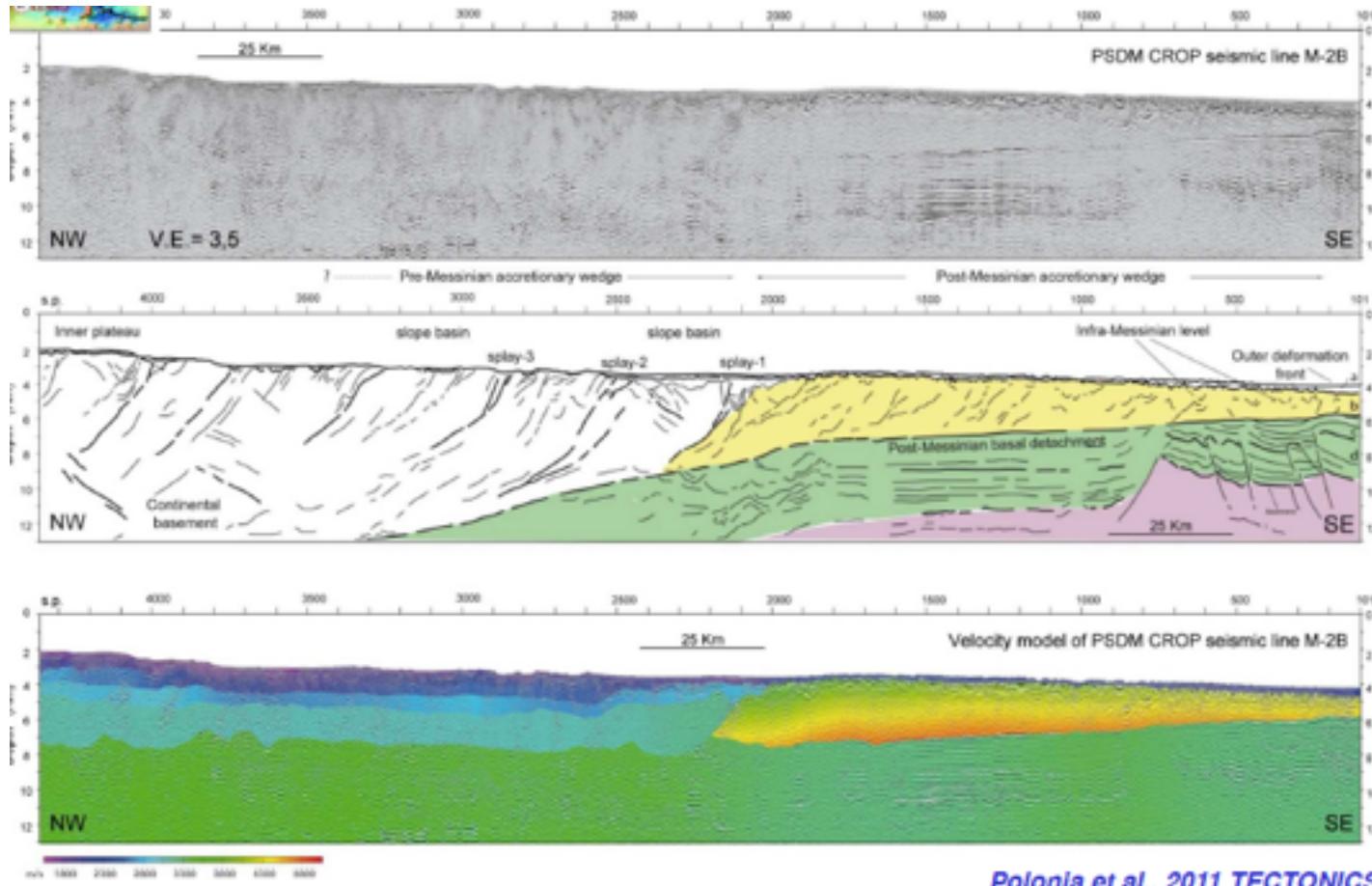
## THE IONIAN FAULT IN THE MESSINA STRAITS REGION



Polonia et al., 2012 NHESS

# Strong Motivation:

## iii) Still active compressional front

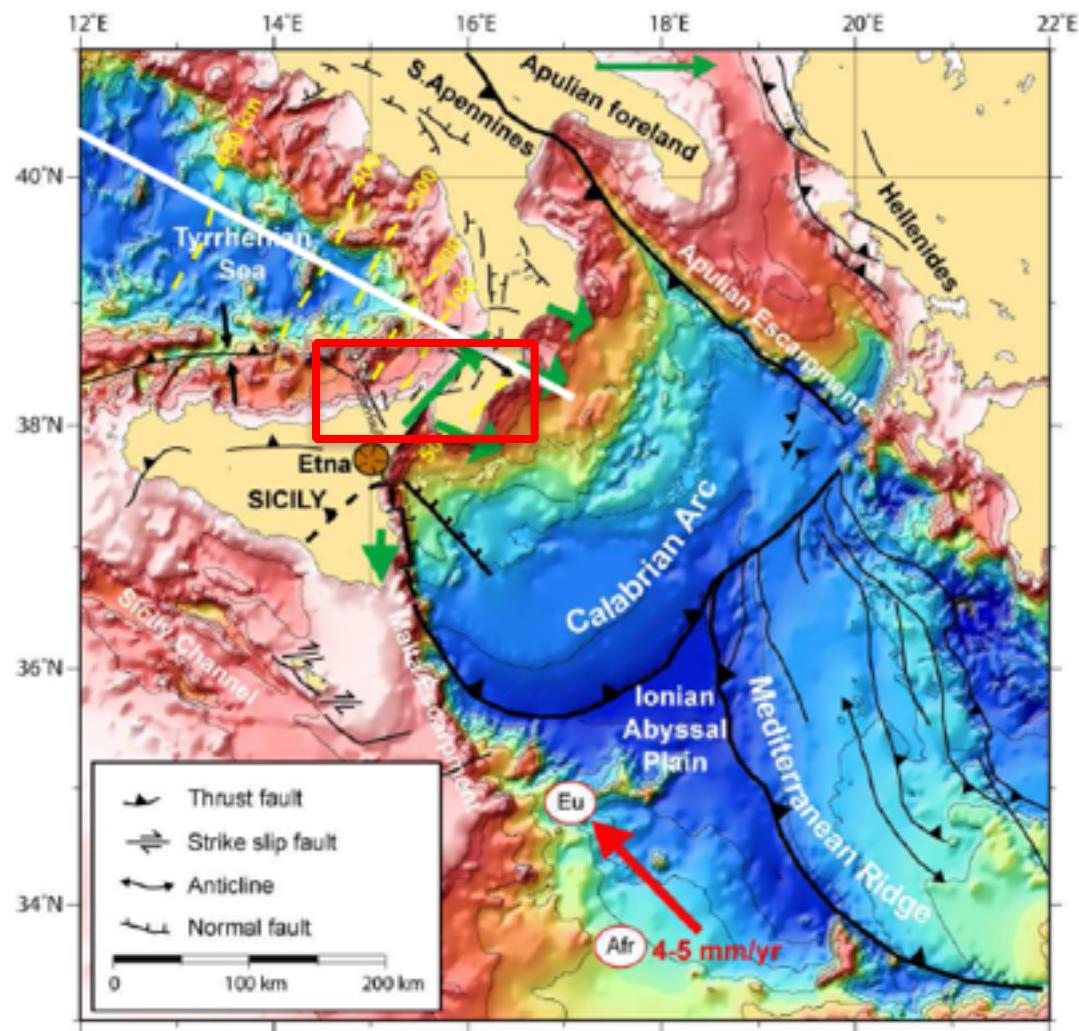
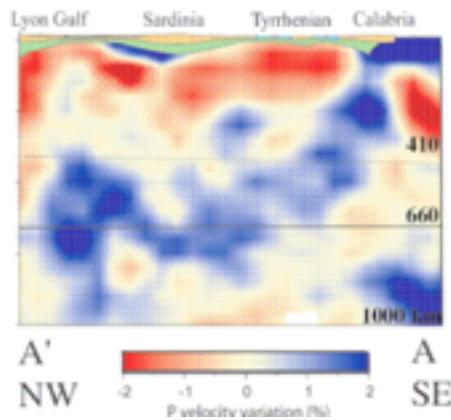


Polonia et al., 2011 TECTONICS

# The Messina Straits candidate supersites

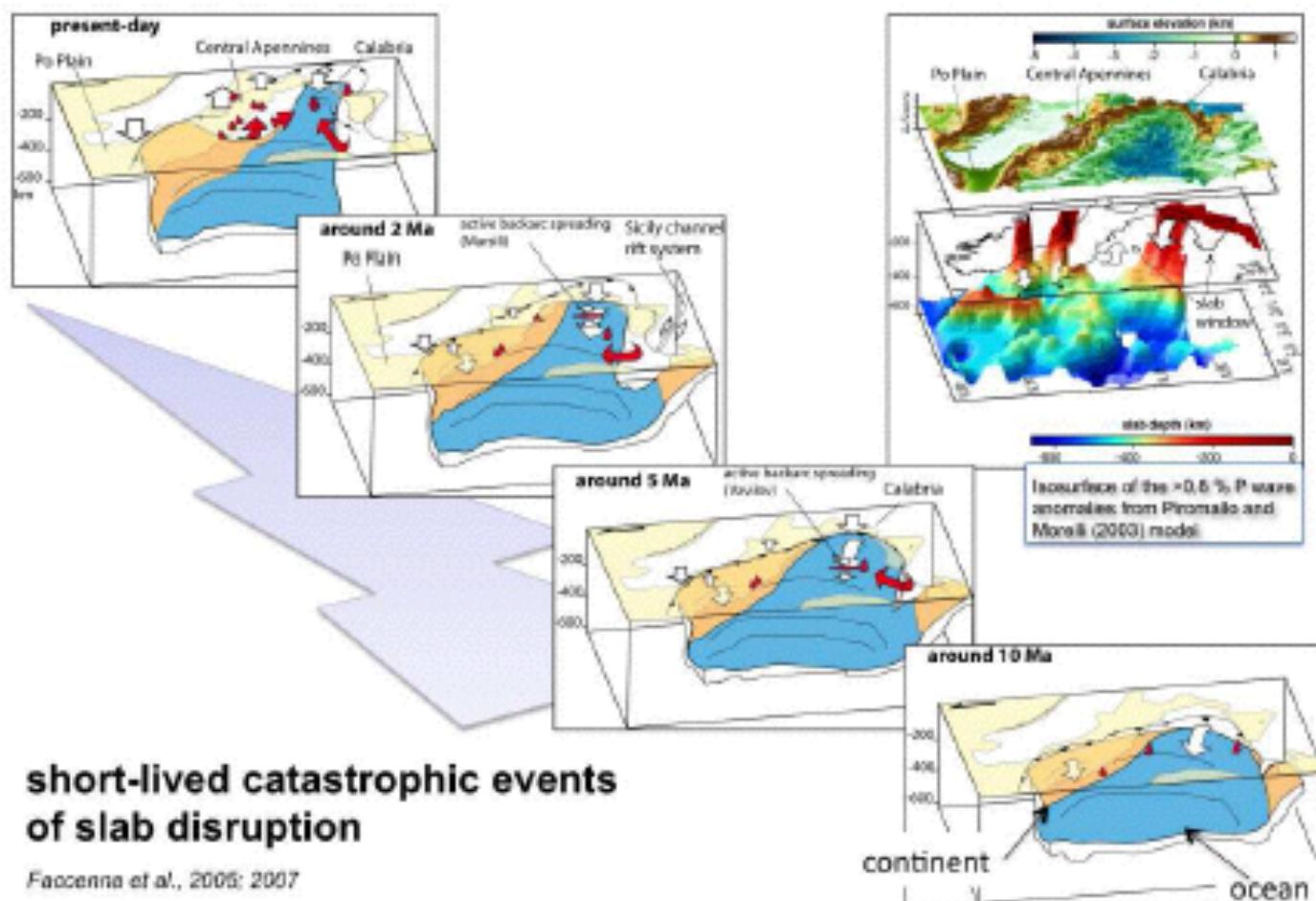
Strong Motivation:

iv) Slab retreat and unique geodynamic



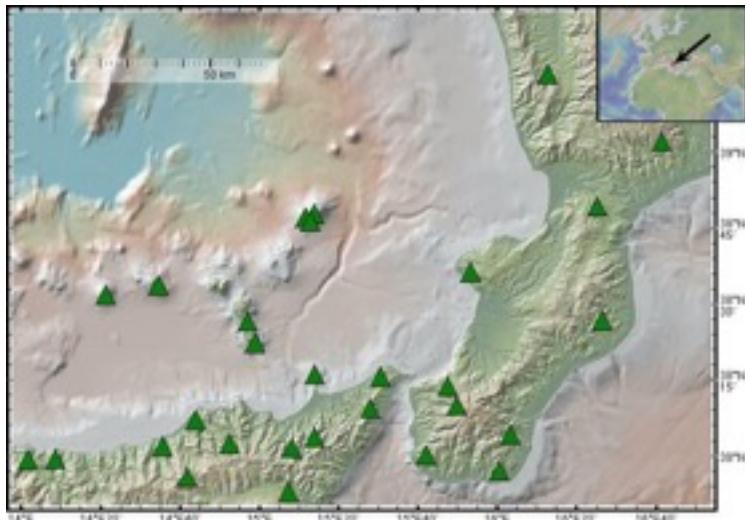
# Strong Motivations:

- v) Slab terminus and edge slab effects, including volcanism

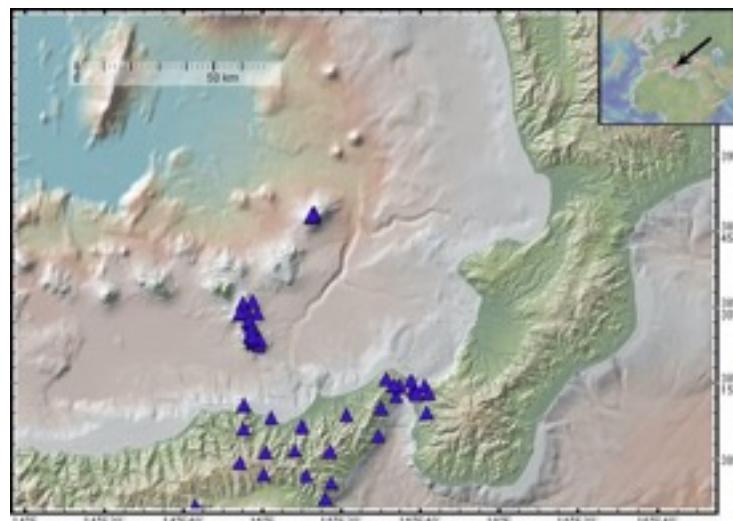
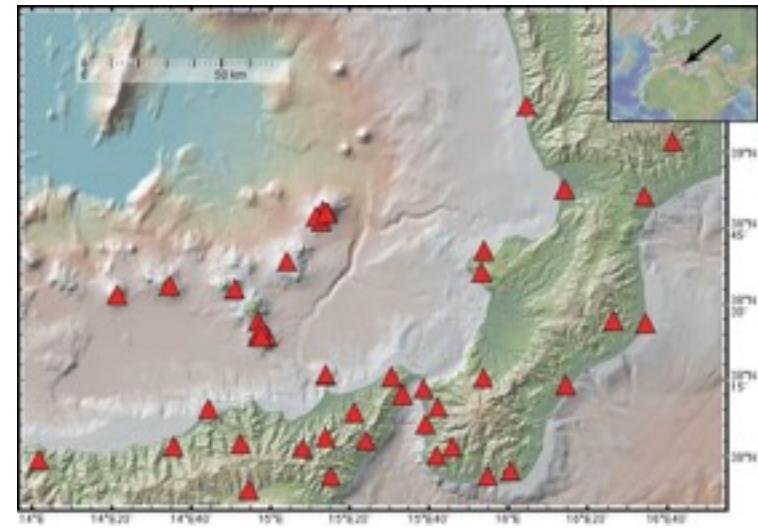


# Infrastructures at INGV: In Situ Data Permanent Seismic and GPS net

Broadband seismic network (INGV)



GPS network (INGV)



Local GPS sites

# Infrastructures at INGV: data from temporary seismic experiments

