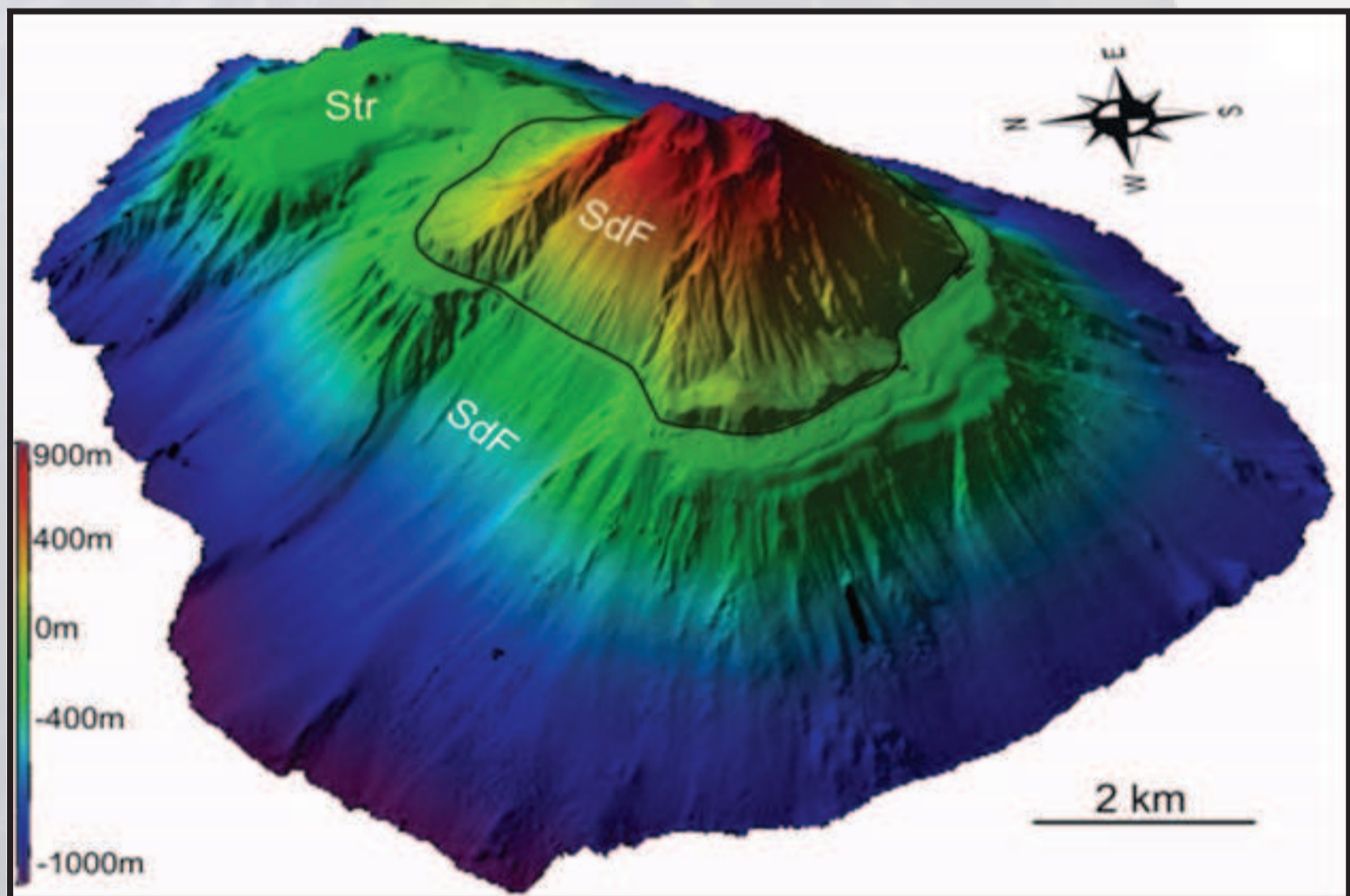


SOLID EARTH SEMINARS

**MORPHO-BATHYMETRIC CHARACTERIZATION OF THE
AEOLIAN ISLANDS (SOUTHERN TYRRHENIAN SEA), WITH
PARTICULAR REFERENCE TOMASS-WASTING PROCESSES**



**WHAT'S THIS
ABOUT?**

Submarine and coastal landslides affecting insular and coastal volcanoes are a relevant geohazard for the surrounding infrastructures and communities, because they can directly impact them or generate local but devastating tsunamis, as demonstrated by several historical accounts. In this talk, a quick overview of the main mass-wasting processes recognized along the submarine flanks of the Aeolian Islands (Italy) is presented, with particular reference to the active Stromboli edifice, where a tsunamigenic landslide occurred in 2002 within the Sciara del Fuoco sector collapse (SdF in figure). Based on the integration of morpho-bathymetric monitoring of the SdF in the last 18 years with slope stability analyses of the subaerial and submarine slope, the role of different triggering mechanisms in controlling the occurrence and size of submarine slope failures at the SdF will be also discussed.

ZOOM



Daniele Casalbore

(Istituto di Geologia Ambientale e
Geoingegneria, Italy)

<https://videoconf-colibri.zoom.us/j/98037946067>

PASS: SES_RG234

OCTOBER 21
Wednesday: 13:00