



## Europass Curriculum Vitae

### Personal information

First name(s) / Surname(s) **FLAVIO ACCAINO**  
Address(es) S. Maria La Longa (UD), Via Pascut Toronda, 2-33050  
E-mail [faccaino@ogs.trieste.it](mailto:faccaino@ogs.trieste.it)  
Nationality Italian  
Date of birth 15/07/1965

### Work experience

Dates	From 1/07/2005 —
Occupation or position held	Technologist
Name and address of employer	National Institute of Oceanography and Experimental geophysics-OGS
Date	1/09/2001 to 31/06/2006
Occupation or position held	Researcher
Name and address of employer	National Institute of Oceanography and Experimental geophysics-OGS
Date	31/08/2001 to 7/02/2000
Occupation or position held	Researcher
Name and address of employer	National Institute of Oceanography and Experimental geophysics-OGS
Date	2/08/1998 to 4/2/2000
Type of business or sector	Post Phd position
Name and address of employer	University of Trieste

## Main activities and responsibilities

After his PhD, he worked for other 2 years in the same department and was involved in many projects, such as TENAP (deep seismic investigation) and BSR (high resolution seismic investigation) projects. In TENAP project, reflection and wide angle seismic data were acquired with the main target to define the crustal structures of the Pacific margin of the Antarctic Peninsula. The wide angle data were acquired using OBSs and seismometric land stations; in both cases, the sources were located offshore. He obtained a geological model inverting the seismic data; the seismic model was used as the input for the gravimetric modeling. In the frame of BSR project, high resolution reflection seismic data and OBS data were acquired. He analyzed all the OBS components, defining the Poisson ratio of the first km. Moreover, he processed the seismic data. Then, he was involved in the tomographic inversion of seismic and OBS data. The joint inversion of this data allowed us to obtain information about P- and S-wave velocities, i.e. the petrophysical properties, in particular for the hydrated and free gas bearing sediments. AVO analysis was performed in order to increase the knowledge of sediment properties and to confirm the results obtained from OBS (S-wave) inversion. The obtained velocity fields were used to perform the pre-stack depth migration, which is used to validate the model. Since 2000, he joined the OGS (department of Geophysics of Lithosphere), increasing his expertise in 3D tomographic inversion and processing by using open-source (Seismic Unix) and commercial (Focus) packages. He participated to acquisition survey (on land and offshore), processing and inversion of seismic data in the frame of many projects. In particular,

- Marine seismic data (Oseberg, Norvegia)
- Land seismic data (Krsko, Slovenia; leader)
- Inversion of VSP data in a geothermal area (Larderello; Tuscany)
- Marine seismic data (Ross sea, Antarctica)
- BSR and SLAPPSS projects offshore Antarctic Peninsula (high resolution and high penetration seismic data; OGS leader)
- Seismological study of the Friuli Venezia Giulia region (high resolution land data)
- European CAMI project to study aquifers (2 and 3D high resolution seismic data)
- RISI3D project (2 and 3D seismic and geoelectric data in a mud volcano area; leader)
- Crustal seismic data: CROP 11, CROP 18 and CROP 03
- SIRIPRO project (geophysical crustal data; OGS leader)

He was experienced in the processing of both crustal and high resolution seismic data. He also developed new tools for the tomographic inversion of seismic data by using the pre-stack migration to obtain a detailed velocity model. The results were published on national and international journals. Moreover, he processed a lot of seismic data; for example, recently marine data acquired offshore Catania (Sicily).

## Education and training

Dates	1995-1998
Title of qualification awarded	Phd in Applied Geophysics
Principal subjects/occupational skills covered	During his PhD, he was involved in the processing and inversion of seismic data acquired in the Etna area (Sicily; <b>ETNASEIS project</b> ), participating to the acquisition of the data. The dataset was processed, inverted and interpreted and included: refraction and reflection land and marine seismic data and sea-land seismic data. The integration between seismic, bathymetric and gravity data allowed to correlate the tectonic structure of the Etna to the Ionic offshore. Moreover, the carbonatic basement and the crust depths were defined in the volcano area. The results were published on national and international journals.
Name and type of organisation providing education and training	University of Trieste
Dates	1991
Title of qualification awarded	Degree in Geology
Name and type of organisation providing education and training	University of Trieste