CURRICULUM VITAE

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SCIENTIFIC ACTIVITIES & LEADERSHIP

Fausto Ferraccioli is currently the Director of the Geophysics Section of the National Institute of Oceanography and Applied Geophysics (OGS) since November 2020. Prior to joining OGS, Ferraccioli led airborne geophysics for 18.5 years in a world-leading international polar research institute, the British Antarctic Survey (BAS) in Cambridge (UK), part of the Natural Environment Research Council (NERC). He was the **Science Leader of Geology and Geophysics** in BAS from 2015 to 2020. In the same period, he was also a **Member of the Science Strategy Team of BAS**, where he made key contributions towards determining the vision and research strategy development of the organization, aligning these with the wider research priorities of NERC and the UK Research and Innovation (UKRI). He represented the organization at both national and international level and led several major international Antarctic research and exploration efforts.

Ferraccioli has been a leading figure in international geophysical exploration and research of the Antarctic Ice Sheet and the underlying continent over the last three decades. His geophysical research has transformed our knowledge of some of the most remote Antarctic frontiers. Specifically, his international and collaborative research efforts have shed fundamental and novel insights into subglacial bedrock and geology, the architecture of the crust and lithosphere and the tectonic evolution of the Antarctic continent. His research helps underpin our understanding of Solid Earth influences on Antarctic ice sheet development, dynamics and long-term stability.

His research on subglacial topography, geology and subglacial hydrology has provided key missing basal boundary conditions for studies of ice sheet dynamics and processes, which are critical for predicting the past, present and future behavior of Antarctic Ice Sheets. He has interpreted huge international airborne radar, aeromagnetic and aerogravity datasets to help unveil the processes that shaped Antarctica and its supercontinent linkages from the Precambrian to the present. His studies have provided critical new views on key Earth processes, including subduction and terrane accretion, collision, mountain building and basin formation and continental rifting.

Ferraccioli has secured major national and international funding and has led large-scale international aerogeophysical exploration and research over the Antarctic Ice Sheet. During the International Polar Year 2008-09, he led for the UK a flagship project (*AGAP*), that required unprecedented levels of international collaboration and pooling of logistic and scientific resources, in one of the most remote frontiers in interior East Antarctica. AGAP involved researchers from 7 nations (USA, UK, Germany, Australia, China, Japan and Canada). The project successfully explored the least known mountain range on Earth, the Gamburtsev Subglacial Mountains, a critical nucleation site for the birth of the Antarctic Ice Sheet ~34 million years ago. The results of his research on the enigmatic tectonic origin of the Gamburtsevs in the middle of East Antarctica and on the remarkable discovery of accretion at the base of the East Antarctic Ice Sheet were published in *Nature* (Ferraccioli et al., 2011) and Science (Bell, Ferraccioli et al., 2011) respectively.

Ferraccioli pioneered and coordinated the aerogeophysical exploration of the Amundsen Sea Embayment (Vaughan et al. 2006, *GRL*), **the sector of the West Antarctic Ice Sheet (WAIS) that is contributing most to the global sea level rise**. This region is the prime focus for the largest US/UK interdisciplinary research project performed so far in Antarctica (The International Thwaites Glacier Collaboration- ITGC- *https://thwaitesglacier.org/*). Recently he contributed towards unveiling both the geothermal heat flux (Dziadek et al., 2021, *Comm. Earth & Environment*- Nature portfolio) and the subglacial geology in this key sector of the WAIS (Jordan et al., 2023, *Science Advances*).

Ferraccioli coordinated a major international UK-ITA project (*WISE-ISODYN*) with researchers from several Italian universities, that delivered the first modern aerogeophysical views of the

Wilkes Subglacial Basin hidden beneath the East Antarctic Ice Sheet (EAIS). The project provided key geophysical constraints on the subglacial geology and tectonic evolution of this huge basin, which also influences the dynamics and the stability of the overlying EAIS (e.g. Ferraccioli et al., 2009, *Tectonophysics*). His pioneering research efforts recently underpinned and stimulated the submission of an **ambitious ERC Synergy Grant project** (under evaluation) that focuses on the **interactions between Lithosphere, Cryosphere and Ocean in this particularly vulnerable EAIS sector, which involves 2 OGS PIs of the geophysics section he currently heads**.

Collectively, the international geophysical projects he coordinated over the Wilkes Subglacial Basin, the Recovery Subglacial Basin and the Pensacola-Pole Subglacial Basin have provided key new insights on vulnerable marine-based sectors of the EAIS. These regions were sites of major past ice sheet change during warmer interglacials, and hence are of particular concern, as they may be prone to renewed instability in a warming climate. He also provided novel geophysical views of the major ice streams flowing in the Weddell Sea Embayment (e.g. Ross et al., 2012, *Nature Geoscience*; Le Brocq et al., 2013, *Nature Geoscience*). His geophysical projects in both East and West Antarctica have also enabled the development of paleotopography reconstructions, which help constrain how tectonics, erosion and isostasy and climate and ocean processes have interacted together and affected long-term Antarctic ice sheet behavior and stability (e.g. Paxman et al., 2019, *P3*).

Ferraccioli was the UK PI for geophysical components of 4 major international Earth Observation projects of ESA. In the *PolarGAP* project, he coordinated international geophysical exploration at the South Pole that involved UK, Danish and Norwegian researchers. He successfully provided new aerogravity data where not even the GOCE satellites could collect data due to the inclination of their orbit. In addition to allowing the formulation of more comprehensive new global gravity and geoid models without the polar gap issue, the project led to the discovery of major subglacial basins and mountain ranges that control glacial dynamics at the transition between the East and West Antarctic ice sheets and to the identification of anomalously high subglacial heat flow at South Pole (e.g. Jordan et al, 2018, *Scientific Reports*- Nature portfolio).

Ferraccioli was responsible for the UK component of the ESA *GOCE+Antarctica* project as part of an international consortium that used satellite gravity, airborne gravity, radar, seismological and petrological data to obtain innovative 3D models of the structure of the Antarctic lithosphere and Glacio-Isostatic Adjustment (e.g. Pappa et al., 2019, *JGR*).

In the *ADMAP 2.0+* project, part of the ambitious international ESA *3D Earth* project, which integrated for the first time seismological, gravimetric, magnetotelluric and magnetic data on a global scale, Ferraccioli coordinated the integration of aeromagnetic and SWARM satellite magnetic data at Pan-Antarctic scale (Ebbing et al., 2021, *Scientific Reports*- Nature portfolio). This compilation is providing new impetus to international geoscience studies on supercontinent linkages between Antarctica, Australia, New Zealand, India, Africa and South America in Gondwana.

Ferraccioli also coordinated the geophysical components of an international and interdisciplinary ESA project (*4D Antarctica*). The project launched innovative studies on sub- and supra-glacial hydrological systems and their interactions with the overlying ice sheet and the underlying crust and lithosphere, including the effects of topography, subglacial geology and geothermal heat flow.

Ferraccioli played a key role in bedrock topography and aeromagnetic and airborne gravity data compilations ensuring Open & Fair data release to international research communities. He is co-Chair of the *International Steering Committee of ADMAP* since 2013 *(Antarctic Digital Magnetic Anomaly Project)*, an Expert Group of the Scientific Committee on Antarctic Research (SCAR) that includes researchers from 25 institutes and Universities from 13 nations. The group has been very productive, publishing over 200 papers since 1995 and has compiled and released in public-domain 3.5 million line-km of magnetic data, which have been widely used for geological, tectonic and ice sheet studies (Golynsky et al., 2018, *GRL*).

He is also Co-Chair of *AntGG (Gravity and Geoid in Antarctica)* for SCAR and the International Union of Geodesy and Geophysics, that includes researchers from 10 nations. The group published and released a gravity data compilation covering 73% of the continent, providing a new tool for geophysical and geodetic research, including the development of new global combined near surface

and satellite gravity data models (Scheinert et al., 2016, *GRL*). These activities have also contributed towards supporting GOCE (Gravity field and steady-state Ocean Circulation Explorer) research.

He contributed over 0.5 million line-km of data to the international BEDMAP and BedMachine Antarctic bedrock topography compilations (Fretwell et al., 2013, *The Cryosphere*; Morlighem et al., 2020 *Nature Geoscience*), which are the most widely used products for the glaciological, geophysical and geological communities.

Ferraccioli is also Co-Chair of the *Connecting Geology and Geophysics* (CGG) group within SCAR, which involves researchers from 15 countries and 20 institutions engaged in international geophysical and geological research. Leveraging on ten years of CGG coordination experience in August 2024 he obtained support from SCAR to co-develop a new international and interdisciplinary **Programme Planning Group *AGE* (Antarctic Geological Evolution)**. AGE is an 8-year long research program, which will start in 2026. It will help pave the roadmap of geoscience research for the International Polar Year 2032-33 by focusing on three main pillars: the architecture, processes and interactions of the Antarctic lithosphere and its role in the global supercontinent cycle.

Since August 2022, he has been coordinating Italian contributions to the international RINGS steering committee, which Ferraccioli first conceived and launched with Norwegian and Danish researchers. RINGS currently involves researchers from 60 institutions and universities across 20 nations. RINGS has set a highly ambitious goal over the next decade: to explore the coastal regions of the entire Antarctic continent to better understand the interactions between the Solid Earth, Ocean, and Cryosphere, which affect the response of ice sheets to climate change. Ultimately, this effort will help improve estimates of Antarctic contributions to future global sea level rise.

In the last two years Ferraccioli has contributed towards facilitating and coordinating major geophysical activities in 6 EU funded PNRR (National Recovery and Resilience Plan) projects:

- **ECCSELLENT**, a project coordinated by OGS, which aims to enhance Italian geophysical research infrastructures and capabilities in the CCUS (Carbon Capture Utilisation and Storage) realm. This project is highly relevant in terms of developing future new contributions of OGS to the “Net Zero Carbon” solutions EU roadmap.
- **GeoSciences IR** and **RETURN**, which are strengthening respectively national geophysical infrastructures and geoscience data sharing and developing increasingly transdisciplinary approaches in multi-hazard research, including in the marine geophysics sector.
- **ITINERIS**, which will synergistically enhance seismological and active seismic infrastructures, and integrated exploration geophysics facilities (on land, marine, and airborne), providing a stronger foundation for the development of next generation environmental research.
- **iNEST (Interconnected North-East Innovation Ecosystem),** which aims to accelerate technology transfer and digital transformation of companies and related processes, fostering increased economic and environmental sustainability and societal impacts. Here the geophysics section is involved in both inland water resources and underwater noise research
- **MEET (Monitoring Earth’s Evolution and Tectonics),** which aims to improve and implement scientific networks dedicated to Earth monitoring and observation and where the geophysics section is strengthening its multi-sensor core logging facilities and capabilities.

Ferraccioli also acts as co-chair for the Italian research institutes component in an interdisciplinary working group, which includes research bodies, industrial partners and associations, and the Friuli Venezia Giulia Region **involved in a new EU flagship project (initiated in summer 2023 and funded for 25 million Euro) aimed at developing the first Transnational Hydrogen Valley (Italy, Croatia, Slovenia) in Europe in the Northern Adriatic sector**.

Connected to this innovative initiative in October 2024 Ferraccioli proposed and won the **FUSE project** (that has been awarded 2.1 Million Euro)**, which aims to enhance Underground Hydrogen Storage and White Hydrogen** (also known as geological hydrogen naturally present underground) research infrastructures. Underground hydrogen (both stored and natural) could play an increasingly important strategic role in the next 2-3 decades to enhance energy security in connection with the future development of the hydrogen economy and the broader Net Zero agenda by 2050. The Net

Zero agenda in turn is crucial for fostering a more sustainable economic and societal development and is essential for the containment of global climate change, which also threatens the future stability of polar ice sheets.

CURRENT & PAST MANAGEMENT ROLES

Director of the Geophysics Department at the Istituto Nazionale di Oceanografia e Geofisica Sperimentale since November 2020. Ferraccioli is responsible for an interdisciplinary science department, currently with ~80 core staff, plus post-Docs, students and also external affiliates (~20). He played a key role in 2021, by realising a complex merger between two formerly separate geophysics and infrastructure departments, paving the way towards enhancing the role of Geophysics at both institutional and at national and international levels. He is a member of the board of Directors that typically meets on a weekly basis also with the President of OGS.

Over the course of the last two years, he had both facilitated and led the geophysical department contributions in 6 EU-funded Italian Recovery and Resilience plan grants that overall secured 8.4 million Euro of new funding for strengthening OGS geophysics (and in particular its infrastructures).

He is mainly responsible for:

1) developing the geophysical and geological components of the science vision and strategy and its implementation in line with the institution's 3 year and 10 year-long strategic plans;

2) contributing towards facilitating and steering core and grant funded research initiatives (national, international and EU) and commercial projects and assessing their progress levels;

3) managing senior leaders of the geology, geophysics and geophysical infrastructure teams;

4) leading and promoting major department activities and stakeholder engagement;

5) supervising H&S and administrative tasks.

6) managing major capital purchasing activities (in particular connected to complex PNRR projects).

7) performance management

8) reporting to the board of Directors and President, and on a yearly basis to the OGS Scientific Council (including both internal and international members).

The department he leads performs geophysical and geological research and commercial services, mainly focussed on the Mediterranean and the polar regions, in marine and onshore realms, and manages and contributes to national and European research infrastructures. Amongst these, the department is the national lead of the *ECCSEL ERIC* on carbon dioxide geological storage research.

He is actively contributing towards shaping next generation decarbonisation and energy resources research, particularly by focussing on geological and geophysical contributions to the CCUS, geothermal and hydrogen sectors, with university based and also major industrial partnerships.

Science Leader of Geology and Geophysics at the British Antarctic Survey, Natural Environment Research Council (UKRI) 2015-2020. Senior manager and exploration geophysicist who led, managed and promoted BAS Geological and Geophysical Research and Member of BAS Science Strategy Team. Working synergically with other Science Leaders in fields, ranging from oceanography, to glaciology, paleoclimate, biology and space weather, and the Director of Science, Director of Innovation and Impact, and Director of Operations & Finance, he contributed towards:

1) developing, maintaining and implementing the BAS science strategy and vision;

2) ensuring the delivery of a 5-year long science programme, in particular for *Geology & Geophysics*, assessing progress, scientific excellence and facilitating new opportunities.

3) contributing towards fostering a vibrant, fertile, inclusive, interdisciplinary and equitable and diverse intellectual research environment.

4) ensuring leadership and participation in major national and international scientific initiatives.

5) identifying opportunities to ensure innovation and stakeholder engagement and maximising broader science impact.

6) helping diversify and increase funding opportunities.

7) line managing and mentoring science staff and monitoring performance.

8) He also coordinated activities related to risk management working closely together with other science leaders and the Director of Science.

Aerogeophysics Group Leader at the British Antarctic Survey, Natural Environment Research Council (UKRI) 2002-2020. Senior manager of aerogeophysics research including radar, aeromagnetic, aerogravity and laser systems, and responsible for major international geophysical exploration projects. He matured over two decades of experience years in launching, managing and performing international and interdisciplinary geophysical research, including a flagship project of the International Polar Year atop of *the Gamburtsev Subglacial Mountains.* He is a leading scientific figure in magnetic and gravity research applied to tectonics, crust and lithosphere research and geological boundary conditions for Antarctic ice sheet studies.

Since 2015, he has launched innovative combined aerogeophysical and Earth Observation research efforts, working in close association with ESA, to help develop more ambitious and increasingly cross-cutting global and polar research efforts- in particular the *3D Earth* and *4D Antarctica* projects.

Member of the Geosciences Divisional Management Group at the British Antarctic Survey 2002-2005. Senior manager contributing to the management of the Geosciences department comprising ca 50 staff, working in collaboration with Division Head and Science Leader to develop, implement and monitor the activities performed by staff within the core science programme in Geology & Geophysics. As part of the role he also played a key role in the Managing Change board.

PROJECT AND TEAM LEADERSHIP

2020-present: Director Geophysics Section of OGS	Leads and Manages Geophysics section and senior managers & Member of OGS Board of Directors. External income ~€ 2,000,000 per year (excludes permanent staff costs). *Secured ~€ 8,400,000 share for the OGS geophysics section in 6 major EU-funded PNRR (National Recovery & Resilience) projects for 2023-2025*.
April 2025-March 2027: PI for the FUSE project on Hydrogen Storage funded by Friuli Venezia Giulia 2025-2027	Lead PI for the project aimed at creating an innovative distributed research infrastructure (in collaboration with the University of Trieste & University of Udine) to enable *future research on Underground Hydrogen Storage and White Hydrogen. Project budget 2,100,000* € (970,000 € for OGS).
March 2025- Feb 2029: Co-Proponent of DAGS aerogeophysical project	Leads potential field and radar data interpretation component of a new 4 year-long project with Italian (CNR & Univ of Pisa) and international collaborators (French US, Danish and Australian) focussed on the Dome C area in East Antarctica. Project budget ca 250,000 € (excluding logistics budget).
November 2024: Lead proponent of aerogeophysical activities of ICEOLIA ERC Synergy Grant proposal 2025-2030 (under evaluation)	Lead for the aerogeophysical research component of the ERC Synergy Grant (in collaboration with AWI) to investigate *Lithosphere, Ice Sheet and Ocean interactions in the Wilkes Subglacial Basin sector of East Antarctica*. Project budget 14,000,000 € of which 1,000,000 € share for airborne geophysics.
November 2024: Lead proponent of CCS project with industrial partner 2025-2028 (contract in finalisation stage)	Lead on new CCS project for C02 storage research in Italy funded by major industrial partner. The project will combine existing seismic data analyses, borehole geophysics and geophysical and fluido-dynamic modelling approaches to investigate potential underground CO2 storage sites. Budget 450,000 €.

September 2024: Co-I for LIFE-2024-SAP-ENV-ENVIRONMENT EU project (under evaluation)	Co-I for the WABADAP project *on the Evaluation of the Water Balance of Basins in the context of Adaptation to Climate Change (in collaboration with Italian Universities, Slovenian partners and water resource commercial partners). Project budget 4,600,000* € (670,000 € for OGS with 40% institutional co-funding quota- as per LIFE grant scheme).
2024- 2028: Leader of the transnational access to airborne remote sensing infrastructure in the EU project AQUARIUS	Lead proponent of the airborne remote sensing component in the EU project AQUARIUS on Healthy Oceans will focus on inland water research. Project budget 14,000,000 €, of which € 250,000 for transnational access to OGS airborne remote sensing facilities.
2023-2028: Lead proponent For OGS-TGS agreement	Leader of a commercial contract agreement between OGS and TGS on seismic data reprocessed by OGS for the Mediterranean and Black Sea areas. Income in the first 3 months € 148,000.
2023-2025: Lead for the geophysics component of the ITINERIS PNRR EU project	Lead for the ITINERIS PNRR EU project that includes *enhancing airborne geophysics (linked to the European EUFAR airborne infrastructure), borehole geophysics and seismics, GPR and deep drilling infrastructures*. Overall project budget ~155 million € of which 3,412,900 € for the OGS geophysics component.
2015-2020: Science Leader for the British Antarctic Survey	Led and Managed **Geology and Geophysics** research & team. Budget ~£2,000,000 (over 5 yrs including staff costs).
2019-2022: Lead for Lithosphere & Science Requirement WPs of ESA project 4D Antarctica	UK Lead in ESA project WPs *investigating lithospheric influences on Antarctic geothermal heat flux*- as part of an interdisciplinary effort with researchers from 12 European institutions studying subglacial & supraglacial hydrology with the aid of geophysics and ice sheet modelling. Budget €1,000,000.
2018-2022: Leads Aeromagnetic & Supercontinent WPs of ESA project 3D Earth	UK Lead in ESA project aimed at *combining potential field (including satellite & airborne data), seismological, deep electrical conductivity and petrological datasets and plate reconstructions to derive novel 3D Earth models*- as part of an interdisciplinary effort with researchers from 9 institutions. Budget €1,550,000.
2015-2019: Project Leader for European Space Agency Project PolarGAP	ESA Project Leader for international team from UK, Denmark & Norway. The geophysical project obtained the first key *coverage of the South Pole data void for the Gravity field and Ocean Circulation Explorer (GOCE) satellite mission of ESA*. Budget €950,000.
2016-2018: Co-Investigator for European Space Agency project GOCE+Antarctica	UK Lead responsible for *interpretation of the crust using GOCE satellite gravity gradient data*. International project team from Germany, Denmark, Netherlands and UK. Budget €300,000.
2013-2018: Co-Investigator for international project ICEGRAV	UK Lead responsible for *aerogeophysical research and geological interpretation* of the Recovery Frontier, East Antarctica. International team from Denmark, UK, US, Norway and Argentina. Budget ~2,000,000 USD.
2013-2014: Project Manager for Department for Business, Innovation & Skills project TELLUS	Project Manager for *airborne LIDAR environmental project*. Interdisciplinary collaboration between the British Geological Survey, BAS, Centre for Ecology and Hydrology, Environmental

	Agency, Plymouth Marine Laboratory and Fugro & Helica. Budget ~£2,000,000 (BAS budget £400,000).
2010-2014: Co-Investigator for Natural Environment Research Council Antarctic Funding Initiative project Institute & Möller	BAS Lead Investigator responsible for *airborne geophysical research over the Institute & Möller ice streams*, in West Antarctica. The project was led by the Univ. of Edinburgh, in collaboration with BAS, Univ. of Bristol, Univ. of Aberdeen, Univ. of Exeter, Newcastle Univ. and the Univ. of York. Budget £1,104,622.
2008-2013: UK Principal Investigator for International Polar Year project- AGAP	UK PI responsible for *aerogeophysical exploration and research of the Gamburtsev Subglacial Mountains. AGAP was a flagship project of the International Polar Year* that involved collaboration between the US, UK, Germany, Australia, China, Japan and Canada. Project budget ca 4 ML USD & BAS research budget £100,000 (excluding infrastructure & staff costs).
2005-2009: Co-Investigator for BAS Project-ISODYN	PI for *joint UK/Italian aerogeophysical research over the Wilkes Subglacial Basin*. The project combined geological and geophysical research with paleoclimate and ice sheet modelling to investigate East Antarctic Ice Sheet stability. Budget £2,600,000.
1995-present: Involved (often with leading roles) in 48 Research Grants/Projects	Member of *48 Antarctic research projects (18 funded by Programma Nazionale delle Ricerche in Antartide (PNRA) in geophysics applied to geology, tectonics, geodynamics, glaciology, geomorphology, paleoclimate, paleo-ice sheets & geodesy (total income ca £3,500,000)- mainly in the polar regions*, including participation as lead scientist in 5 Antarctic field seasons.

SCIENTIFIC BOARDS & INTERNATIONAL COMMITTEES

- 2024-present: Member of the Stakeholder Advisory Forum for the EU North Adriatic Hydrogen Valley project, the first cross-border international hydrogen valley in Europe.
- 2024-present: Co-Chair of the international Programme Planning Group of the AGE (Antarctic Geological Evolution) Science Research Programme of SCAR (Scientific Committee on Antarctic Research).
- 2023-present: Member of the Arctic Scientific Committee (CSA), responsible for managing the Arctic Research Program (PRA).
- 2023-present: Member of the National Scientific Committee for Antarctica (CSNA).
- 2023-2025: Member of the Executive Committee for the PNRR GeoSciences IR Project.
- 2023-present: Member of the Executive Committee of EUFAR, the European network for interdisciplinary airborne research in environmental and geosciences.
- 2022-present: Member of the International Steering Committee for the SCAR RINGS Action Group.
- 2022-present: Member and vice-coordinator for the Italian research institutions in the expanded consortium of the EU project (2023-2029) North Adriatic Hydrogen Valley,
- 2022-present: OGS representative at the General Assembly of the European Energy Research Alliance. This international association aims to promote, accelerate, and innovate research and technology transfer in synergy with industry to achieve Net Carbon Zero in the EU. It supports the EU in developing sustainable Energy Security strategies linked to renewable sources (wind, photovoltaic, geothermal, hydrogen, etc.).
- 2022-present: OGS representative for geophysics at the General Assembly of ECCSEL ERIC on CCUS (Carbon Capture Utilisation and Storage). OGS serves as the National Node of ECCSEL.
- 2021-present: OGS representative at the General Assembly of CO2GeoNet, focused on the geological capture and storage of CO2 (comprising 27 research institutions from 21 countries and 300 international experts).
- 2021-present: Delegated OGS representative in the Energy Technology Cluster.
- 2015-2020: Member of the Scientific Board of the BAS Science Strategy Team.

- 2020. UK Representative for new SCAR Science Research Programme "*INSTANT*" *INStabilities & Thresholds in ANTarctica* (led by Tim Naish, NZ & Florence Colleoni, OGS, Italy).
- 2016-2020. UK National Representative Geosciences (SCAR).
- 2013-present. Co-Leader of International Steering Committee of *Antarctic Digital Magnetic Anomaly Project*- Scientific Committee on Antarctic Research (SCAR)/IAGA Expert Group.
- 2013-present. Co-Leader of SCAR *Connecting Geology and Geophysics* group.
- 2007-present. Co-Leader for IAG/SCAR *Antarctic Gravity and Geoid* project.

PRIZE, HONOURS, DIRECTOR OF RESEARCH & ITALIAN FULL PROFESSOR HABILITATION

- In 2022, he won the public competition for Research Director in Polar Geophysics (with a score of 96/100) and was hired on a permanent basis at OGS. He is currently on leave during his tenure as Director of the Geophysics Section (First mandate November 2020- December 2024).
- 2014 Italian Ministry of Education, Universities and Research (MIUR) award for outstanding Italian researcher abroad "*Assunzione per chiamata diretta di ricercatori o tecnologi, italiani o stranieri, che siano distinti per meriti eccezionale ovvero che siano stati insigniti di alti riconoscimenti scientifici in ambito internazionale"* and permanent OGS job offer (Role: *Research Director*).
- 2014 (28th Nov) Habilitation Full Professor in Geophysics (*Prof. Ordinario- 04/A4- Geofisica*).
- 2010 Awarded by Prince Philip, Duke of Edinburgh the UK Polar Medal for outstanding dedication and achievements in polar science. Ferraccioli was the first Italian researcher to receive this prize

EDUCATION

- 1997-2000: Ph.D. in Geophysics. University of Genoa (Italy), Geophysics Department. PhD thesis: *New geophysical constraints on crustal architecture, inheritance and evolution of the Transantarctic Mountains-West Antarctic Rift tectonodynamic system*.
- 1990-1995: University of Genoa (Italy), B.Sc in Geology (110/110). Graduate thesis: *Crustal structure over Victoria Land, East Antarctica, from aeromagnetic surveys*.
- 1994 4th year research project & short thesis at Caltech, California: *Reservoir-induced seismicity at Hoover Dam* (*Colorado River*).

PROFESSIONAL BODIES

- Member European Geosciences Union
- Member American Geophysical Union
- Member International Union of Geodesy and Geophysics
- Member International Association of Geomagnetism and Aeronomy

PUBLICATIONS AND TOP TEN PAPERS

151 publications, including 2 in *Nature*, 1 in *Science*, 1 in *Science Advances*, 3 in *Nature Geoscience*, 3 in *Scientific Reports* and 2 in *Communications Earth & Environment* (Nature Pub. Group). Ferraccioli has published papers in most of the top tier journals in Geophysics & Geology (e.g. *JGR, GRL, Geology, EPSL, Tectonophysics, Geophys. J. Int., Geophysics* etc.).

8568 citations, H-index of 45 & I-10-index of 97
(**975 citations** in 2023; Source- Google Scholar- 22 May 2025).

Most cited OGS geophysicist in the period 2020-2024.

1. Fretwell, P., et al including **F. Ferraccioli**, 2013. Bedmap2: improved ice bed, surface and thickness datasets for Antarctica. *The Cryosphere* 7: 375-393. (**2297** citations).
2. Morlighem M. et al including **F. Ferraccioli**, 2020. Deep glacial troughs and stabilising ridges unveiled beneath the margins of the Antarctic ice sheet. *Nature Geoscience*, 13, 132-137 (**820** citations).
3. **Ferraccioli, F**., Finn, C. A., Jordan, T.A., Bell, R.E., Anderson, L.M., Damaske, D., 2011. East Antarctic rifting triggers uplift of the Gamburtsev Mountains. *Nature*, 479, 388-392 (**253** citations).
4. Le Brocq, A.M., Ross, N., Griggs, J.A., Bingham, R.G., Corr, H.F.J., **Ferraccioli, F.**, Jenkins, A., Jordan, T.A., Payne, A.J., Rippin D.M., Siegert, M., 2013. Evidence from ice shelves for channelized meltwater flow beneath the Antarctic Ice Sheet. *Nature Geoscience*, 6, 945-948 (**234** citations).

5. Bell, R.E., **Ferraccioli, F.**, et al., 2011. Widespread persistent thickening of the East Antarctic Ice Sheet by freezing from the base. *Science* 331 (6024), 1592-1595 (**218** citations).
6. Vaughan, D.G., Corr, H.F. J., **Ferraccioli, F.,** Frearson, N., O'Hare, A., Mach, D., Holt, J. W., Blankenship, D.D., Morse, D., Young, D.A., 2006. New boundary conditions for the West Antarctic ice sheet: Subglacial topography beneath Pine Island Glacier, *Geophys Res. Lett.*, 33, L09501, doi:10.1029/2005GL025588 (**219** citations).
7. Aitken, A. R. A., Young, D. A., **Ferraccioli, F.**, Betts, P. G., Greenbaum, J. S., Richter, T. G., Roberts, J. L., Blankenship, D. D. and Siegert, M. J., (**2014**). The subglacial geology of Wilkes Land, East Antarctica. *Geophysical Research Letters*, 41, 2390–2400, doi:10.1002/2014GL059405 (**182** citations).
8. **Ferraccioli, F.**, Armadillo, E., Jordan, T.A., Bozzo, E., Corr, H., 2009. Aeromagnetic exploration over the East Antarctic Ice Sheet: a new view of the Wilkes Subglacial Basin, *Tectonophys*., 478, 62–77 (**154** citations).
9. Ross, N., Bingham, R.G., Corr, H.F.J., **Ferraccioli, F.**, Jordan, T.A., Le Brocq, A., Rippin, D.M., Young, D., Blankenship, D.D. & Siegert, M.J., 2012. Steep reverse bed slope at the grounding line of the Weddell Sea sector in West Antarctica. *Nature Geoscience*, 5, 393-396 (**136** citations).
10. Golynsky, A.V., **Ferraccioli**, et al, (2018). New magnetic anomaly map of the Antarctic *Geophys. Res Letters*, 45, 6437–6449. https://doi.org/10.1029/2018GL078153 (**124** citations).

MAIN RESEARCH INTERESTS

- Crust, Lithosphere and Tectonics
- Geological boundary conditions and their influence on past, present & future ice sheet dynamics
- Potential Field and Aerogeophysical Methods (magnetic, gravity, radar, laser & LiDAR methods)
- Magnetic and Gravity data Analyses & Interpretation- including Forward and Inverse Modelling
- Linking Earth Observation and Airborne Geophysics
- Geology and Geophysics to aid Net Carbon Zero solutions (particularly H2 Underground Storage)

INTERNATIONAL CONFERENCE SESSIONS/WORKSHOPS & SELECTED INVITED TALKS

- Co.Convenor for Unveiling the crust and lithosphere in polar frontiers session at AGU 2024 (December 2024)
- Co-Convenor for Antarctic and Arctic session at ESA Polar Science Week Conference, Denmark (September 2024)
- Lead Convenor for the Earth/Ice/Climate Interactions Workshop, PNRA "A Vision for the Future" (December 2023)
- Lead Convenor for the INSTANT Conference (2023) for the ADMAP 3 Workshop
- Co-Convenor for the INSTANT Conference (2023) for the RINGS Workshop
- Lead Convenor for Antarctic and Arctic lithosphere session at AGU 2020
- Co-Convenor for Antarctic lithosphere session at ISAES 2019, Korea.
- Lead Convenor for session on Antarctic geophysics at EGU 2018.
- Lead Convenor for session on Arctic and Antarctic geophysics at AGU 2017.
- Lead Convenor for session on Antarctic and Arctic geophysics at EGU 2017.
- Co-Convenor for session "*Arctic and Antarctic Geoscience*" at IGC 2016, Cape Town.
- Lead Convenor for "*Subglacial geology and significant events in the geological evolution…*" & Convenor for 2 Workshops "*Linking Geology and Geophysics*" & "ADMAP-2"at SCAR 2016, Malaysia.
- Lead Convenor for session "*The structure and evolution of the Antarctic continent in light of recent geophysical and geological investigations*" & Organiser "ADMAP-2" Workshop at ISAES 2015, India.
- Co-Organiser EAGE/DGG 2015 Workshop "Airborne Geophysics: New Technologies in Hardware and Interpretation".
- Co-Convenor for "*Linking Geology and Geophysics*" & Lead Convenor ADMAP-2 Workshop at SCAR 2014.
- Lead Convenor for session "*Antarctic Geodynamics*" & Lead Convenor ADMAP-2 Splinter Meeting at EGU 2014.
- Lead Convenor for session "*Geodynamics of the Polar regions*" & Co-Convenor for "*Linking Geology and Geophysics*" Splinter Meeting at EGU 2013.
- Lead Convenor for "*Earth Structure and Geodynamics at the poles"*, IPY 2012, Montreal.
- Lead Convenor for "*East Antarctic Geophysics and Geology"* workshop & related session at ISAES 2011.
- Co- Convenor on lithosphere and geothermal heat flow session at EGU 2011.
- Lead Organiser for RCUK-China Workshop "*New frontiers in Antarctic geology and geophysics*", Beijing, October 2010.
- Co-Convenor session on "*Magnetic & Lithosphere studies"* at SCAR Meeting, Buenos Aires, August 2010.
- Lead Organiser RCUK-China Geology & Geophysics Workshop, Cambridge, March 2009.
- Lead Organiser UK-Italian Workshop on *Geophysics & Geology in East Antarctica*, October 2008.
- Lead Convenor for Geology, Geophysics & Ice Sheet modelling session at AGU Fall Meeting 2007.

Contributed to ca 450 international conference presentations since 1994.

Selected Invited Presentations:

- Invited Talk at International Symposium on Polar Sciences, China (October 2024)
- Invited Talk at International Symposium on Polar Environment Monitoring and Public Governance, China (October 2024)
- Invited Talk at RAID Workshop Washington (September 2024).
- Invited Talk at US Geophysical and Geodetic Networks workshop (September 2024)
- Invited Talk at ESA Polar Science Workshop (September 2024)
- Invited Talk at US-Italy Earth Science and Cultural Heritage workshop (May 2024)
- Invited Talk at the PNRA Workshop on Earth/Ice/Climate Interactions (December 2023)
- Invited Talk at the ESA-EU Polar Collocation Meeting (November 2023)
- Invited Talk at the Motumundi conference (October 2023)
- Invited Talk at the INSTANT Workshop (September 2023) on the ICEOLIA ERC Project
- Invited Speaker at the International Panel (May 2023) on the North Adriatic Hydrogen Ecosystem
- Invited Talk at the ESA Polar Meeting (November 2022)
- Invited Talks at *SCAR 2020* and *EGU 2020* (both virtual).
- Plenary Talk at *ISAES 2019*, Korea; Invited Talk *ESA Science Meeting* 2019, Dublin.
- Invited Talk at SCAR 2018, Davos.
- Invited Talks at *EGU* 2017; *HALO Workshop* 2017; *RAID Drilling Workshop,* California 2017.
- Invited Talks at *NIPR* 2016 (Japan); *IGC* 2016 (South Africa); *SCAR* 2016 (Malaysia); *Chinese Drilling Workshop* 2016.
- Invited Talks at *AGU*, 2015; *IUGG* 2015; *EAGE* 2015.
- Invited Talks at *AGU* 2014; *SCAR* 2014.
- Invited Talks at *EGU* 2013, *AGU* 2013
- Invited Talks at *EGU 2012; IPY 2012* Meeting, Canada; *IGC* 2012 Australia;
- Invited Talks at *ISAES* 2011, Edinburgh, UK; *IUGG* 2011, Melbourne, Australia;
- Invited Talks at *RCUK* 2010 China; *SCAR Meeting* 2010, Argentina; *IPY* meeting 2010 Norway.

Selected Invited Seminars:

Wuhan University, China (October 2024), *Saskatoon University*, Canada (December 2018); *Newcastle University* (October 2018); *Scott Polar Research Institute* (September 2018); *University of Kiel* (March 2017);

National Institute of Polar Research, Japan (November, 2016); *Jilin University, China* (June 2016); *Geological Society London* (Jan., 2016);

University of Plymouth (November 2014); Norwegian Polar Institute (October 2014); *University of Texas* (Institute of Geophysics, September 2014); *University of Granada*, (April 2014), *University of Oxford*, (April 2014) *University of Leicester*, March (2013); *British Geological Survey* (2013);

British Geological Survey 2012; *University of Cambridge* (2012); *Scott Polar Research Institute* (2012); *Imperial College, London* (2012);

University of Edinburgh (Geography), 2011; *University of Oxford* (Earth Sciences) May 2010; *University of Royal Holloway* (Earth Sciences) March 2010.

REVIEWER/GUEST EDITOR FOR JOURNALS & PROJECT PROPOSALS

- Reviewer for *Tectonophysics*; *Tectonics*; *Lithosphere; Terra Nova*; *JGR*; *GRL*; *Geophys. J. Int.*, *G-cubed*; *Geology*; *EPSL*; *Surveys in Geophysics*; *Nature Geoscience*; *Nature*; Nature- *Scientific Reports*; Science- *Science Advances*
- Guest Editor for 2 special Issues in Tectonophysics and 1 Special Polar Focus in G-cubed
- Awarded “Best Reviewer of the Year” from *Tectonophysics*, *Elsevier* in 2008.
- Reviewer of International Research Proposals for the *Portoguese Research council*, *National Science Foundation*, *NASA*, *Programma Nazionale delle Ricerche in Antartide*, *Australian Antarctic Division, NZ Antarctic Research Institute. German Research Foundation, Netherlands Organisation for Scientific Research*, *Scientific Committee on Antarctic Research* (Fellowship proposals); *Academy of Finland*; *Swiss Science Council* (Includes a major Research Centre proposal Evaluation)

EDUCATIONAL ACTIVITIES

- Member of PhD National Board for Polar Sciences (Ca Foscari University)
- Advisor for 7 PhD in Geophysics, 6 M.Sc. in Geophysics, 6 Graduate theses, 4 4th Year Undergraduate Projects. Supervisor Marie Curie Fellow & Australian and Chinese Research Fellow.
- Teaching for Master in Applied and Pure Geophysics**,** La Spezia.
- 12 Seminars for Exploration Geophysics and Environmental Geophysics, Univ. of Genoa.

TRAINING & EXPERIENCE

- Mindful Management
- Senior Management
- Project Management
- Managing Organisational Change
- Team and Student Supervision
- Equality, Diversity and Inclusion and Unconscious Bias
- Advanced Software Training, including 2D and 3D potential field modelling
- BAS Geological Sciences Divisional Management Group (2002-2005)
- BAS Science Strategy Team (2015-2020)

OUTREACH, DISSEMINATION & PRESS

- Presenter on Hydrogen Underground Storage at Trieste Next (September 2024).
- Panelist/Presenter at the Big Science/Business Forum event (Trieste, March 2024)
- Panelist/Presenter at the Hydrogen Week event (Trieste, November 2023)
- Presenter on polar research at the Motumundi festival on Climate and Environment (Siena, October 2023)
- Scientific Moderator on submarine canyons (Trieste Next, September 2023)
- Interviews and news items in Italian and English following the publication of the new subglacial geology map beneath Thwaites Glacier in Science Advances (Jordan et al., 2023)
- News items in 2021 on *Resto del Carlino*, *il Giorno*, and la *Nazione* after the publication in the Nature journal -*Communications Earth & Environment* reporting high geothermal heat flux beneath Thwaites Glacier (Dziadek et al., 2021)- a contribution to the 4D Antarctica ESA project.
- News items in 2021 and national media interviews after the publication in the Nature journal - *Scientific Reports* reporting on the new combined satellite and aeromagnetic anomaly compilation for Antarctica and Gondwana one of the results of the 3D Earth ESA project (Ebbing et al., 2021).
- Over **300 news items** worldwide citing Ferraccioli in November-December 2018 after the publication in the Nature journal *Scientific Report* (Ebbing et al., 2018) reporting the results of the GOCE+Antarctica ESA project.
- **197 news items** worldwide following the publication of Bingham, Ferraccioli et al *Nature* paper on the West Antarctic Rift System and its influence on the West Antarctic Ice Sheet in July 2012 (including *Time Magazine Online*, *The French Tribune*, *Scientific American* and *Fox News*).
- **150 news items** worldwide following the publication of the Ferraccioli et al. *Nature* paper on the structure and origin of the Gamburtsevs in November 2011. The Gamburtsev "*Ghost Mountains mystery solved*" story was the most viewed news story on *BBC News Online* (& *Yahoo News*) with over 1.5 million people visiting the pages.
- **158 news items** worldwide in March 2011 following the publication of the *Science* paper on the discovery of accretion at the base of the East Antarctic Ice Sheet (Bell, Ferraccioli et al.)
- Over **60 news items** worldwide in 2008 and 2009 before and after the flagship AGAP field campaign over the Gamburtsev Subglacial Mountains.
- Several **Live Interviews** (including e.g. live interview on *BBC News World*) on the geophysical exploration of the Gamburtsev Mountains during and following the International Polar Year & more recently -on the ICEGRAV & PolarGAP projects.

- Invited talks for Societies (e.g. *Geological Society Yorkshire* in 2013); Senior Citizen groups *University of the Third Age* (Cambridge 2012); Clubs, e.g. *Cambridge Geology Club* (2012), Museums (e.g. Genoa *Arts and Science Foundation* in 2010); High Schools (e.g. *Cambridge Sixth Form* and *York High School* UK in 2009).

FIELD EXPERIENCE

5 summer seasons in Antarctica, including playing a key role in coordinating and managing major international airborne geophysical field campaigns.

- **Dome A, East Antarctica (2008/09).** Led the UK component of the international campaign; acquired 60,000 line km of BAS aerogeophysical data within the IPY project AGAP (Antarctica's Gamburtsev Province) that collected 120,000 line km of new data in interior East Antarctica.
- **Victoria Land and George V Land, East Antarctica (2005/06).** Led the UK component of the international campaign; acquired 60,000 line km of aerogeophysical data within WISE/ISODYN (Wilkes Basin System Exploration/Icehouse Earth: Stability or Dynamism?)
- **Palmer Land, West Antarctica (2002/03).** Led the aerogeophysical campaign; acquired 20,000 line km of aerogeophysical data within SPARC project (Superterranes of the Pacific margin Arc)
- **Victoria Land, East Antarctica (2001/02).** Led the aeromagnetic survey; acquired over 10,000 line km of aeromagnetic data within the MAGANTER project for the Italian Antarctic Programme
- **Victoria Land & George V Land (1999/2000).** Responsible for aeromagnetic data collection within the BACKTAM/GANOVEX VIII geophysical campaign a joint effort of the Italian Antarctic Programme and BGR (acquired 26,500 line km).

SKILLS

- Project Management skills (applied to complex international & interdisciplinary geophysical and geological research programmes and leading diverse project teams)
- Negotiating Skills (e.g. with national and international Programme Managers & Science Staff)
- Team Management & Science Leadership Skills
- Mentoring Skills including in particular early to mid-career research staff
- Team Building Skills
- Experienced in delivering Science Strategy and Science Vision and cascading organisational work and delivery plans
- Experienced in Supervising Graduate and post-graduate geophysics students
- Excellent Presentation Skills (e.g. conference presentations, public talks & media interviews).
- Expert in Potential Fields & Aerogeophysics

MAIN INTERNATIONAL COLLABORATORS

- Prof. Martin Siegert (Deputy Vice Chancellor (Cornwall), University of Exeter
- Prof. Tony Watts (University of Oxford- now retired)
- Prof. Jonathan Bamber (School of Geographical Sciences, University of Bristol, UK; Former EGU President)
- Prof. Mike Bentley (Head of Department, Geography, University of Durham, UK).
- Dr. Steward Jamieson (Associate Professor, University of Durham, UK)
- Prof. Robert Bingham (University of Edinburgh, Head of Global Change Research Institute, UK)
- Dr. Noel Gourmelen (Reader School of Geosciences, University of Edinburgh)
- Dr David Rippin (Senior Lecturer, University of York, UK)
- Dr Anne LeBrocq (Senior Lecturer, University of Exeter, UK)
- Dr Chris Green (Lecturer, University of Leeds & GETECH)
- Prof. Alan Haywood (Pro-Dean, Faculty of Environment University of Leeds, UK)
- Prof. Jane Francis (formerly at Leeds University; Director at British Antarctic Survey)
- Prof. Derek Fairhead (Former Managing Director GETECH, UK & Univ. of Leeds)
- Prof. Graham Stuart (University of Leeds)
- Prof. John Smellie (University of Leicester, UK)
- Prof. Nick Kusznir (University of Liverpool and Bradley Geophysics)
- Prof. David Drewry (former Vice-chancellor, University of Hull, UK)
- Prof. David Vaughan (former Director of Science, British Antarctic Survey, UK)
- Dr. Phil Leat (currently e-fellow at British Antarctic Survey, UK)
- Prof. Robin Bell (Lamont Doherty Earth Observatory, NY, USA; IPY Co-Chair; President Elect AGU)
- Prof Timothy Creyts (Lamont Doherty Earth Observatory, NY, USA)
- Dr Guy Paxman (formerly at Lamont Doherty Earth Observatory)

- Dr Carol Finn (USGS, Denver, USA & Former President Elect AGU)
- Dr Donald Blankenship (University of Texas, Austin, USA)
- Dr Duncan Young (University of Texas, Austin, USA)
- Prof. John Holt (University of Arizona, USA)
- Prof. Terry Wilson (Now Emeritus Professor Byrd Polar Research Center, Columbus, USA)
- Prof. Ralph von Frese (Now Emeritus Professor Byrd Polar Research Center, Columbus, USA)
- Prof. Mark Fahnestock (University of Alaska System)
- Prof. Prasad Gogineni (University of Kansas, USA)
- Prof. Doug Wiens (Washington University in St. Louis, USA)
- Dr. Jamin Greenbaum (Scripps Institution of Oceanography, UC San Diego)
- Prof. Dustin Schroeder (Stanford University)
- Prof. Bruce Eglington (Manager Saskatchewan Isotope Laboratory, Canada)
- Dr Jacqueline Halpin (Research Fellow, Centre of Excellence in Ore Deposits, University of Tasmania)
- Prof Anya Reading (University of Tasmania)
- Prof. Peter Betts (University of Monash, Australia)
- Prof. Alan Aitken (UWA Australia)
- Dr. Rene Forsberg (Head of Geodynamics, National Space Institute, Denmark)
- Prof Jörg Ebbing (University of Kiel, Germany)
- Dr Detlef Damaske (formerly at Bundesanstalt für Geowissenschaften und Rohstoffe-BGR, Hannover, Germany)
- Dr. Andreas Läufer (Head of Polar Geology, BGR, Hannover, Germany)
- Dr. Mirko Scheinert (Institut für Planetare Geodäsie, Technische Universität Dresden, Germany)
- Prof. Maximilian Moorkamp (Dep. Earth and Environ Sci, University of Munich, Germany)
- Prof Karsten Gohl (Co-Director Geophysics Alfred Wegener Institute, Bremerhaven, Germany)
- Dr Graeme Eagles (Head of Airborne Geophysics Alfred Wegener Institute, Bremerhaven, Germany)
- Dr Ricarda Dziadek (formerly at Alfred Wegener Institute, Bremerhaven, Germany)
- Dr Daniel Steinhage (Alfred Wegener Institute, Bremerhaven, Germany)
- Prof. Frank Lisker (Geodynamics of the Polar Regions, University of Bremen, Germany)
- Prof. Wouter van der Wal (Delft University of Technology, Netherlands)
- Prof. Kenichi Matsuoka (Norwegian Polar Institute, Norway)
- Prof. Joachim Jacobs (University of Bergen, Norway)
- Prof. Carmen Gaina (Director Centre of Earth Evolution & Geodynamics, University of Oslo, Norway)
- Prof. Javier Fullea (Universidad Complutense de Madrid)
- Prof. Catherine Ritz (Director of Research, IGE, University of Grenoble, France)
- Dr. Sasha Golynsky (VNIIO, St. Petersburg, Russia)
- Dr German Leitchenkov (Deputy Director General for Research, VNIIO, St. Petersburg, Russia)
- Prof. Sun Bo (Deputy Director, Polar Research Institute of China)
- Prof. Wang Bangbing (Zhejiang University)
- Prof. Yue Zhao (Chinese Academy of Geological Sciences, Beijing, China)
- Dr Wu Guochao (Second Institute of Oceanography, Ministry of Natural Resources, Hangzhou, China)
- Dr. Y. Nogi (NIPR, Tokyo, Japan)
- Dr Marta Ghidella (Formerly at Istituto Antartico Argentino, Buenos Aires, Argentina)
- Prof. Hyung Rae Kim (Kongju National University, Korea)
- Dr. Jong Kuk Hong (Vice President, Korea Polar Research Institute)
- Prof Rodolfo Taccani (University of Trieste del Technology transfer and relations with companies & industry)
- Dr Luca Guerrieri (ISPRA- coordinator PNRR GeoSciences IR project)
- Prof. Stefano Parolai (University of Trieste- PNRR RETURN project)
- Prof Francesco Chiocci (La Sapienza University of Rome- collaborator METIQ & PNRR RETURN project)
- Dr Massimo Chiappini (Director INGV, Italy)
- Dr Massimo Frezzotti (University Roma Tre)
- Dr Giovanni Macelloni (Director of Istituto di fisica applicata "Nello Carrara" Consiglio Nazionale delle Ricerche)
- Dr Francesco Cairo (Research Director Istituto di Scienze dell'Atmosfera e del Clima- CNR)
- Dott.ssa Florence Colleoni (OGS- PI ERC Synergy Grant ICEOLIA)
- Dott.ssa Laura De Santis (OGS- PI ERC Synergy Grant ICEOLIA)
- Prof. Laura Crispini (University of Genoa, Italy)
- Prof Egidio Armadillo (University of Genoa, Italy)
- Prof. Emanuele Bozzo (University of Genoa, Italy- now retired)
- Prof. Giovanni Capponi (Former Director of Geosciences, University of Genoa, Italy- now retired)
- Prof. Sergio Rocchi (University of Pisa, Italy)
- Prof. Franco Talarico (formerly at University of Siena, Italy- deceased)
- Prof. Francesco Salvini (University Roma III, Italy)

“Le informazioni contenute nel presente curriculum vitae sono rese sotto la personale responsabilità del sottoscritto ai sensi degli artt. 46 e 47 del D.P.R. 28 dicembre 2000, n. 445, consapevole della responsabilità penale prevista all’art. 76 del medesimo D.P.R. 28 dicembre 2000, n. 445, per le ipotesi di falsità in atti e dichiarazioni mendaci”;

“Autorizzo il trattamento dei miei dati personali presenti nel curriculum vitae ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 “Codice in materia di protezione dei dati personali” e dell’art. 13 del GDPR (Regolamento UE 2016/679)”.

Luogo e data: Trieste 22/05/2025 Il dichiarante