

# ROBERTO ROMEIO

Geologist, PhD





## curriculum vitae

### PROFILE

Experienced, resourceful and effective senior geologist with proven proficiency in all aspects of geophysics. Senior Geologist with a PhD in Environmental Sciences (Physical, Marine and Coastal Environment). 19 years of experience in OGS working in slope stability, land and marine geophysical surveys. He took part of 25 research and service surveys on board of 6 research vessels around the Mediterranean Sea, Atlantic Ocean and Antarctica. He is at present a member of the scientific OGS crew permanently working on board the RV OGS Explora.

### PERSONAL INFORMATION

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Sex Male | Date of birth 05/06/1971 | Nationality Italian

### WORK EXPERIENCE

(1999 - present) **Permanent position as Geologist, PhD, at OGS**  
OGS (Istituto Nazionale di Oceanografia e di Geofisica Sperimentale) the Italian Institute of Oceanography and Experimental Geophysics,

Research Unit Offshore Operations – RV OGS Explora - NAVE

Infrastructures Division - IRI

(1997 - 1999) **Geologist at Georicerche S.r.l., Trieste, Italy**

### EDUCATION

(2005 - 2009) **PhD in Environmental Sciences (Physical, Marine and Coastal Environment)**  
at the Geoscience Department of the University of Trieste, Italy - Doctoral thesis: High-resolution geophysical study of marine deposits and structure of the substrate of the Miramare Riviera (Gulf of Trieste)

(1990 - 1997) **MS Degree in Geology**  
at the University of Trieste, Italy – Graduation thesis: Geology of the mountains of San Simeon and Brancot (Carnic Alps), FVG – Italy

### TECHNICAL TRAINING

2009 Computer based seismic interpretation techniques and tool - SMT Kingdom Suite 8.3

2006 41° Multibeam Sonar Training Course - Ocean Mapping Group

2003 Coda Octopus Ltd's Geosurvey

### SAFETY TRAINING

2018 OPITO – FOET Further Offshore Emergency Training

2018 Mobile Crane Operator

2017	Safety Course
2016	PNRA Antarctic survival course
2016	Radiation protection for the use of ionizing radiation
2016	Fire fighting course, medium risk
2016	BLSD - basic life support and Defibrillation
2016	First aid course
2015	Forklift truck operator course
2014	Safety Course
2014	OPITO – BOSIET basic offshore safety induction and emergency training Proficiency in personal survival techniques IMO STCW/95
2008	

## LANGUAGES

Mother tongue	Italian
Other language	English (CEF level B2) at The British School of FVG

## TECHNICAL SKILLS AND COMPETENCES

Marine Geophysics	acquisition, processing and interpretation of Sub-bottom Profiler (SBP), Side ScanSonar (SSS), Multibeam (MBES), Singlebeam (SB), single-channel seismic (Boomer CHIRP) and surveyor for multi-channel seismic (SerCEL 428). I can use the following sw: PDS2000, Caris, Coda Octopus, Kingdom Suite, OpendTect, Swanpro, Gedco Vista and Paradigm Focus
Land Geophysics	acquisition and interpretation of electrical resistivity tomography, MASV and seismic reflection and refraction survey Seismic Data Processing (QC level) with Gedco Vista e Paradigm Focus
Geotechnics	use of varied equipment for the physical and mechanical laboratories analysis, field characterization of soil and rocks and slope stability
Topography	geometric levelling and GPS; thematic and technical cartography
Computer graphics	use of various software such as AutoCAD Map 3D, Microstation, Autochart, Corel suite, Adobe suite, ArcView, Global Mapper, Fledermaus, Surfer, Grapher
Driving licence	B
Underwater diving	I'm a PADI Rescue scuba diver and in 2010 I obtained the Reef Check Indo-Pacific Eco Diver Certification by Coral Cay Conservation UK in Cambodia.

## PUBLICATIONS

- Anaerobic oxidation of methane within shallow marine sediments in Bantry Bay, Co. Cork, Ireland, B. Kelleher, S. McCarron, X. Monteys, S. O' Reilly, D. Dove, D. Praeg, M. Szapak, G. Scott, S. Jordan, R. Romeo, L. Facchin, B. Murphy, *Marine Geology* 2018 MARGO\_2018\_278
- M. H. JOKAR, L. Petronio, M. T. Perri, C. Strobbia, A. Affatato, R. Romeo, G. Cassiani, Detection of lateral discontinuities via surface waves analysis: a case study at a derelict industrial site. *Journal of Applied Geophysics*, 2018
- D. Sandron, M. Santulin, A. Tamaro, C. Orci, G. Benedetti, S. Castellaro, R. Romeo, A. Rebez, S. Grimaz, P. Malisan, G. Guadagnini, F. Sciascia and D. Slejko, Seismic parameter design assessment for the Kribi deep seaport in Cameroon, *Bull Earthquake Eng* (2018). <https://doi.org/10.1007/s10518-018-0518-2>
- Sammartini M., Camerlenghi A., Budillon F., Zgur F., Conforti A., Insinga D.D., Iorio M., Romeo R., Tonielli R., OPEN SLOPE, TRANSLATIONAL SUBMARINE LANDSLIDE IN A TECTONICALLY ACTIVE VOLCANIC CONTINENTAL MARGIN (LICOSA SUBMARINE LANDSLIDE, SOUTHERN TYRRHENIAN SEA), *The Geological Society Special Publications*, 2018, DRAFT
- G. Rossi, F. Accaino, J. Boaga, L. Petronio, R. Romeo and W. Wheeler, SEISMIC SURVEY ON AN OPEN PINGO SYSTEM IN ADVENTDALEN VALLEY, SPITSBERGEN, SVALBARD, *Near Surface Geophysics*, 2017, 15, doi:10.3997/1873-0604.2017037
- D. Praeg; S. McCarron; D. Dove; C. Ó Cofaigh; G. Scott; X. Monteys; L. Facchin; R. Romeo; P. Coxon, ICE SHEET EXTENSION TO THE CELTIC SEA SHELF EDGE AT THE LAST GLACIAL MAXIMUM, *Quaternary Science Reviews*, JQSR-D-14-00361.
- Geletti R., Zgur F., Del Ben A., Buriola F., Fais S., Fedi M., Forte E., Mocnik A., Paoletti V., Pipan M., Ramella R., Romeo R., A. Romi, THE MESSINIAN SALINITY CRISIS: NEW SEISMIC EVIDENCE IN THE WEST-SARDINIAN MARGIN AND EASTERN SARDO-PROVENÇAL BASIN (WEST MEDITERRANEAN SEA), *Elsevier Editorial System(tm) for Marine Geology*, Volume 351, 1 May 2014, Pages 76-90, doi:10.1016/j.margeo.2014.03.019
- D. Civile, E. Lodolo, D. Accettella, R. Geletti, Z. Ben-Avraham, M. Deponete, L. Facchin, R. Ramella, R. Romeo, THE PANTELLERIA GRABEN (SICILY CHANNEL, CENTRAL MEDITERRANEAN): AN EXAMPLE OF INTRAPLATE 'PASSIVE' RIFT, *Tectonophysics* (2010), vol. 490, p. 173-183, doi:10.1016/j.tecto.2010.05.008.

- Busetti M., Volpi V., Nicolich R., Barison E., Romeo R., Baradello L., Brancatelli G., Giustiniani M., Marchi M., Zanolla C., Nieto D., Ramella R., and Wardell N., 2010, DINARIC TECTONIC FEATURES IN THE GULF OF TRIESTE (NORTHERN ADRIATIC), In: D. Slejko (editor), *Novelties in Geophysics, Select paper from the 27th Annual Conference of the Italian Group for Solid Earth Geophysics, Trieste (Italy), October 6-8, 2008*, *Bollettino di Geofisica Teorica e Applicata*, 51(2-3), 117-128, ISSN: 0006-6729.
- E. Gordini, R. Ramella, R. Romeo, M. Deponte, R. Marocco, *INDAGINI ACUSTICHE SUGLI AFFIORAMENTI ROCCIOSI DEL GOLFO DI TRIESTE (ADRIATICO SETTENTRIONALE)*, *GORTANIA, Atti Museo Friul. di Storia Nat.*, 26: 5-24, 2004, ISSN: 0391-5859.
- R. Ramella, G. Brancolini, A. Brambati, G. Catani, C. De Cillia, R. Romeo, C. Zanolla *INDAGINE ACUSTICA AD ALTA RISOLUZIONE NEL GOLFO DI TRIESTE, TRA BARCOLA E MIRAMARE: PRIME IMPLICAZIONI PALEOAMBIENTALI – Mem. Soc. Geol. It.*, 57 (2002), 527-532.

GEOPHYSICAL CAMPAIGNS ON  
BOARD  
RESEARCH VESSELS

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RV OGS Explora, 2018	METISS (MEltingpoT Indianoceanic Submarine System), Madagascar- South Africa, 16.06-14.07.2018
RV OGS Explora, 2018	IOX submarine fibre optic cable system survey, Mauritius-South Africa, 08.04-11.05.2018
RV OGS Explora, 2018	FASTMIT2 e EARTHCRUISERS Projects, South Italy, 11-27/02/2018
RV OGS Explora, 2017	Eurofleet PROPEL Project, Portugal, 16-31/05/2017, multichannel seismic survey
RV Investigator CSIRO, 2017	Antarctica Sabrina Coast offshore, 14.01-05.03 2017, XXXII° PNRA, Project TYTAN: Totten Glacier dYnamics and Southern Ocean circulation impact on deposITional processes since the mid-lAte CeNozoic
N/R CNR Urania, 2014	SAOS 2014, Italy, Stability Assessment of an Open Slope - Licosa submarine landslide Survey, Chief scientist: Dr.ssa Francesca Budiillon (IAMC CNR - Napoli), Tirreno meridionale, 2-10 sept 2014
RV Celtic Explorer, 2014	GATEWAYS II, Ireland, Exploring Iceberg Calving Gateways within the SW British-Irish Ice Sheet, Chief scientist: Dr Stephen McCarron, National University of Ireland Maynooth, 22.02-05.03/2014
M/C Semac, 2013	Off-Shore seismic reflection survey for fault capability assessment-Vandellos NPP Survey Report, ANAV, Spain, Cambrils, 19-29 October 2013
RV OGS Explora, 2013	RITMARE - MEDGES 2013 – MATIS 2013, Italy Adriatic Sea 21-28.03.2013
RV OGS Explora, 2013	SLOMARTEC 2013, Italy and Slovenia, Gulf of Trieste, 18-21.03.2013
RV OGS Explora, 2013	SALTFLU 2012, Spain, Salt deformation and sub-salt fluid circulation in the Algero-Balearic abyssal plain, 23.06-04.07/2012
RV Celtic Voyager, 2014	GATEWAYS Leg1, Ireland, Iceberg Calving Gateways within the SW British-Irish Ice Sheet
RV OGS Explora, 2011	CANALINK submarine fibre optic cable system survey, Spain and Morocco, 15-29.04.2011
RV OGS Explora, 2011	BIOS submarine fibre optic cable system survey (2), CPT tests, Italy, 28.03-4.04.2011
RV OGS Explora, 2011	BIOS submarine fibre optic cable system survey (2), Italy, 25.01-25.02.2011
RV OGS Explora, 2010	SISOC 2010, Offshore Salento 2010, Italy 5-16.10.2010
RV OGS Explora, 2010	Sardegna Orientale 2010, the Messinian salinity crisis: new seismic evidence in the West-Sardinian margin and eastern Sardo-Provençal basin (West Mediterranean Sea), 14-30.09.2010
RV OGS Explora, 2009	GT09: The Dinaric fault system in the Gulf of Trieste (Northern Adriatic), 1-6.10.2009
RV OGS Explora, 2009	STENAP09: Seismostratigraphic end Tectonic Evolution of Northern Adriatic in the Plio-Quaternary, 21.30.09.2009
RV OGS Explora, 2009	PANTERS: Pantelleria Rift System, Pantelleria and Sicily Channel, Italy, 6-15.05.2009
RV OGS Explora, 2008	IDUN OIL FIELD WELLSITE SURVEY – NORWAY (FUGRO Oceansismica S.p.A. - STATOIL), 12.06-04.07.2008
RV OGS Explora, 2007	GREENLAND CONNECT CABLE SURVEY (Telegreenland, Elettra, MSS), 18.07-30.08.2007
RV OGS Explora, 2006	PNRA Hobart (Tasmania – Australia) 03.2006
RV OGS Explora, 2005	SWIM2 - Earthquake and Tsunami hazard of active fault at the Southwest Iberian Margin, 2-19.10.2005
RV OGS Explora, 2005	MESC – Morphology and evolution of submarine canyons in the ionian margin of Calabria, 3-16.09.2005

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