

CURRICULUM VITAE

GIORGIA PINNA

Date of Birth: 22 May 1964
 Job Description: Researcher
 Specialization: Geologist and borehole geophysicist
 Date joined OGS: September 1, 2000
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Education

[1991] Degree in Geological Science (110/110), Pisa University, Italy.

[1992] State exam to practice the profession of Geologist, Siena University, Italy.

Work and Research Experience

[1991-98] Petroleum Geologist/Field Data Engineer at Baker Hughes INTEQ.

[1998-99] Coordinator of Surface Logging service in Tunisia for Baker Hughes INTEQ.

[2000-on] Research activity at OGS in the SEISBIT Research group.

[2000-on] Analysis of SWD data, drilling parameters and mud gas (EU and Eni projects)

[2006-on] Wireline well logging, LWD and MWD methods and signal evaluation.

[2006-2008] Analysis of RVSP and VSP data for pressure prediction (Eni projects).

[2008-2010] Geological and geophysical characterization of test sites in the Friuli region (MIUR project: PRIN2007- Deliverable 1).

[2010-2013] Research in analysis of drilling vibrations and VSP Quality factor analysis.

[2011-2013] Drilling PITOP Experimental test site maintenance QC.

[2012] Preparation of EUROSCHOOPS proposal: European sizeable CO₂ storage pilots. More in detail as Work Package Leader in WP 3.1: Leakage and Detection

[2013-2015] Development of innovative techniques to monitor CO₂ storage geological sites. (MIUR project: CO₂ Monitor-WP1: Integration of seismic and electromagnetic methods with in-situ tests in Appendix A-B.

[2015-2018] Collaboration on OGS project to identify the septaria in the Boom Clay (Belgium)

[2016-on] Participation in ENOS (Enabling Onshore CO₂ Geological Storage in Europe) project as OGS partner on several Work Packages.

Publications:

Four journal and conference (peer reviewed) articles ([Scopus Author's page](#)) on estimation of pressure, seismic velocity analysis, density variation and gravimetric anomalies in sedimentary basin, characterized by hydrocarbon.

<https://www.inogs.it/it/users/giorgia-pinna>

Author of e-lecture 8 for ENOS WP8: Monitoring, 2017, inserted in E-book2 published on the ENOS website (<http://www.enos-project.eu/highlights/e-books/e-lecture-8-monitoring>).

Co-author of a publication for ENOS WP5 on the ENOS website (<http://www.enos-project.eu/highlights/publication/participating-in-co2-geological-storage-research/>).

Biography

Giorgia Pinna was born in Naples, Italy in 1964. She received the degree in “Dottore in Scienze Geologiche” from Pisa University in 1991 and “Geologist qualification” from Siena University in 1992. From 1991 to 1998 she worked for Baker Hughes INTEQ (oilfield drilling

and evaluation service company) as Petroleum Geologist/Field Data Engineer on rigs drilling deep wells for hydrocarbon exploration (fifteen onshore wells) in Italy. From 1998 to 1999 she worked as Surface Logging System Coordinator at the base of Tunisian Baker Hughes INTEQ. Presently, she is a Geophysicist Researcher at the "Istituto Nazionale di Oceanografia e di Geofisica Sperimentale (OGS)" (former "Osservatorio Geofisico Sperimentale") in Trieste, Italy. She works in the Borehole Geophysics Research group, mainly focused on aspects involving interdisciplinary expertise and synergies between geophysics and drilling, as well as geological interpretation. Her research includes studies of the acoustic effects produced by the presence of gas in the drilling mud, the analysis of seismic while drilling (SWD) signal/noise ratio, produced by a vibration source (drill bit), and the related drilling conditions (drilling parameters and well logs) to predict geological changes ahead of the bit, to investigate and predict overpressure zones while drilling. The study is performed by using VSP and RVSP data, electrical and acoustic logs, well data, surface seismic and structural geology. Relevant part of her research was performed in the framework of Projects supported by EU and Oil&Gas industry. From 2012 to date she is involved in different CO2 research projects as listed above. In particular, she is responsible in ENOS project for OGS in the following Work Packages: WP5 (Coordination with local communities), WP6 (Sharing experience world-wide and seeding storage projects in Europe) and WP8 (Promoting CCS through education and training). She is also working in the OGS research project to identify the septaria in the Boom Clay by analyzing, comparing and interpreting wireline logs, borehole geological and seismic data (VSP and cross-hole).