

DICHIARAZIONI RESE AI SENSI DEGLI ARTT. 40 E 47 DEL D.P.R. 20 DICEMBRE 2000, N. 446 E S.M.I

PERSONAL INFORMATION

Gala Galassi

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Research collaborator

DiSPoA (Department of Pure and Applied Sciences) -University of Urbino (Italy) (www.uniurb.it)
Research project: Adaptation to Saltwater Intrusion in sea level Rise Scenarios - ASTERIS
Activity: Numerical simulation for future sea level rise inside the NTERREG Italia-Croazia
ASTERIS project. Modeling of geophysical components.

WORK EXPERIENCE
RELEVANT FOR THE
POSITION

Research collaborator

DiSPoA (Department of Pure and Applied Sciences) -University of Urbino (Italy) (www.uniurb.it)
June 2019 to present
Research project: "Coastal Subsidence, Sea Level Variations, and Climate Change".
Activities: analysis of the effects of sea level rise on the evolution of coastlines, study and modeling of subsidence in deltas areas at global level, analysis of sea level variations from tide gauges data and satellite series, study of some aspects of the geodynamics of Antarctica.

Consultant

t33 Srl, Ancona - Italy (www.t33.it)
May 2016 – May 2018
Environmental expert and responsible for environmental assessment in the ongoing evaluation of Romania's National Rural Development Program 2014-2020. (Contracting authority: Romanian Ministry of Agriculture and Rural Development)

2017-2020
Participation in the WCRP (World Climate Research Program), Global Sea Level Budget Group. Participation in the contribution to the IPCC report published in Earth Syst. Sci. Data, 10, 1551-1590, 2018 <https://doi.org/10.5194/essd-10-1551-2018> . Period: October 2017 - August 2018

Research Project of DISPEA department at the University of Urbino (Italy) "Numerical simulation of the evolution of global coastlines". Period: June 2016 - December 2016

Participation in research
projects

Participation in the research unit of the University of Urbino (Italy) at the Research Project 2013 / B2.06 "Lithosphere response to mantle and cryosphere dynamics" of the National Program of Research in Antarctica (PNRA) funded by the National Research Council (CNR) .Period: January 2015 - June 2015

DisBef Research Project of the University of Urbino (Italy) "Dynamics of Complex Systems: Asperity models of seismic sources. Period: September 2015 - December 2016.

DisBef Research Project of the University of Urbino (Italy) "Assessment of future evolution of Italian coastlines". Period January 2013 - June 2015

OTHER WORK EXPERIENCES

January 2008 – to present

Technical officer

Marche Regional Administration- Italy, Environmental Assessment Office (www.regione Marche.it)

- Strategic environmental assessment: environmental report redaction
- Strategic environmental assessment: technical opinion for Marche Region as Environmental Authority and support for the monitoring plan
- Strategic environmental assessment: support for opinion on Marche Region in National procedure
- Environmental Impact Assessment: technical investigation for projects under Marche Region responsibility and control for the application of environmental conditions
- Environmental Impact Assessment: technical investigation and Marche Region Opinion in national procedures

October 2017-January 2018

Expert evaluator

ACZ Consulting, Craiova, Dolj County, - Romania (www.aczconsulting.ro)

Qualitative assessment of projects submitted under the Romania-Hungary cross-border cooperation program for the IP5b priority concerning the mitigation of natural hazards. (Contracting authority: Joint Secretariat – Interreg VA Romania - Hungary)

May 2013 – January 2017

Consultant – Senior expert

t33 Srl, Ancona - Italy (www.t33.it)

Ongoing evaluation of the cross-border cooperation program "Interreg 2Seas 2014 - 2020". (Contracting authority: commissioned by GEIE GECOTTI – Groupement Européen pour la Coopération Transfrontalière Transnationale et Interrégionale). Period: January 2016 - January 2017

Strategic environmental assessment of the IPA II Italy-Albania-Montenegro cross-border Cooperation Program 2014-2020. (Contracting authority: IPA II Italy-Albania-Montenegro management authority 2014-2020 Period: February - December 2015.)

Strategic environmental assessment of the Italy-Croatia cross-border cooperation program 2014-2020. (Contracting authority: managing authority Italy –Croatia Cross-Border Cooperation Program 2014-2020). Period: September 2014 - December 2015

Strategic Environmental Assessment of the 2014-2020 Rural Development Plan for the Umbria Region. (Contracting authority: Region Umbria). Period: May 2013-June 2015

Evaluation of the LOCSEE Project - Low Carbon South East Europe. A. Period: June-December 2014.

Support to the activities of a Strategic Environmental Assessment for the European Territorial Cooperation and cohesion policy (VA Interreg 2Seas INTERREG VA France (Channel) - England; Bolzano ROP ERDF, Umbria Rural Development Plan). A Period December 2013 - Dec. 2014)

July 2002 – December 2007

Collaborator

Regional Environmental Authority, Marche Region

Strategic Environmental Assessment: Drafting of environmental reports, support in the various procedural steps and setting up of the monitoring system.

Conferences and seminars

5-6 July 2018, 1st National workshop on climate change and sea level rise in the Mediterranean Sea: presentation "Isostatic Contribution to present and future sea level rise in the Mediterranean Sea".

October 2016, International Conference on Sustainable Development: presentation "Improving Sustainability of Programs in Strategic Environmental the Assessment Procedures: the Qualitative assessments Structural Approach for Ranking (QUASAR) the Environmental Effects. (ECSD – European Center Sustainable Development, Rome)

November 2009, Course "Strategic Environmental Assessment", Opening conference (Province of Pesaro and Urbino)

18-19 January 2007, "The second part of the Environmental Code and the corresponding Community directives: Strategic Environmental Assessment, Environmental Impact Assessment, Integrated Environmental Authorization" (Consortium for Higher Education and Development of Scientific Research)

March 20, 2004, "The second part of the Environmental Code and the corresponding community directives: Strategic Environmental Assessment, Environmental Impact Assessment, Integrated Environmental Authorization" (School Institute including Urbina (PU)

EDUCATION AND TRAINING

2011-2015	PhD in Geophysics University of Bologna (Italy) Sea level variation in last century: oceanographic, glacioisostatic and climatological models application.	EQF: 8
2008-2010	Master's Degree in Ecology of Climate Change University of Urbino (Italy), Department of Science and Technology (Grade 110/110 et laudes)	EQF: 7
1995-2010	Master's Degree in Environmental Science University of Urbino (Italy), Department of Science and Technology (Grade 110/110 et laudes)	EQF: 7
April-August 2012	Marco Polo Program National Oceanography Centre Liverpool (UK) Analysis of tide gauges series	

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PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	C1
Replace with name of language certificate. Enter level if known.					
French	C1	C1	B2	B2	B1
Replace with name of language certificate. Enter level if known.					

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

Digital skills

Information processing	Communication	SELF-ASSESSMENT			Problem solving
		Content creation	Safety		
Proficient user	Proficient user	Proficient user	Proficient user		Proficient user

Levels: Basic user - Independent user - Proficient user
Digital competences - Self-assessment grid

Replace with name of ICT-certificates

- good command of office suite (word processor, spread sheet, presentation software)
- good command of Unix and Mac OSX environment
- good command of Geographical information systems
- good command of graphic and statistical tools (GMT, Matlab, R and others)

ADDITIONAL INFORMATION

Publications

- Spada, G., Galassi G. (2012). New estimates of secular sea level rise from tide gauge data and GIA modeling. *Geophysical Journal International*, 191 (3), 1067-1094 doi: 10.1111/j.1365-246X.2012.05663.x
- Spada, G., Melini, D., Galassi, G., Colleoni, F. (2012). Modeling sea level changes and geodetic variations by glacial isostasy: the improved SELEN code. *arXiv preprint*, arXiv:1212.5061
- Spada, G., Olivieri, M., Galassi, G. (2013). Secular sea-level rise and Glacial Isostatic Adjustment. *Proceedings of the Workshop "Climate change and sea level rise; coastal vulnerability and societal impacts"*. A. Cazenave, Ed. Collège de France, Paris, 10-11 June 2013, in press.
- Spada, G., Galassi, G., Olivieri, M. (2014). The Nuuk/Godthab tide gauge record (1958-2002). Implications for the mass balance of the Greenland ice sheet. *Global and Planetary Change*, 118, 42-51. doi: 10.1016/j.gloplacha.2014.04.001
- Spada, G., Olivieri, M., Galassi, G. (2014). Anomalous secular sea-level acceleration in the Baltic Sea caused by isostatic adjustment. *Annals of Geophysics* 57.4: S0432.
- Galassi, G., Spada, G. (2014). Sea-level rise in the Mediterranean Sea to 2050: roles of terrestrial ice melt, steric effects and glacial isostatic adjustment. *Global and Planetary Change*, 123, 55-66. (doi: 10.1016/j.gloplacha.2014.10.007).
- Spada, G., Galassi, G., Olivieri, M. (2015). Empirical Mode Decomposition of long-term polar motion observations. *Studia Geophysica et Geodaetica*, 59 (2), 200-211
- Galassi, G., Spada, G. (2015). Linear and non-linear sea-level variations in the Adriatic Sea from tide gauge records (1872–2012). *Annals of Geophysics*, 57 (6).
- Olivieri, M., Spada, G., Antonioli, A., Galassi, G. (2015). Mazara del Vallo Tide Gauge Observations (1906–16): Land Subsidence or Sea Level Rise? *Journal of Coastal Research*, 31 (1), 69-75.
- Spada, G., Olivieri, M., Galassi, G. (2015). A heuristic evaluation of long-term global sea-level acceleration. *Geophysical Research Letters*, 42(10), pp 4166-4172
- Galassi, G., (2015). Global and Regional Sea level Variations in the Recent Past and Future: Insight from Observation and Modeling. PhD Thesis, University of Bologna, Bologna, Italy. 178 pp.
- Spada, G., Galassi, G. (2015). Spectral analysis of sea-level during the altimetry era, and evidence for GIA and glacial melting fingerprints. *Global and Planetary*
- Galassi, G., Spada G. (2017) Tide gauge observations in Antarctica (1958–2014) and recent ice loss. *Antarctic Science*, 1-13 Change, accepted.
- I. Cerenzia, D. Putero, F. Bonsignore, G. Galassi, M. Olivieri, G. Spada (2016) Historical and recent sea level rise and land subsidence in Marina di Ravenna, northern Italy. *Annals of Geophysics* 59 (5), P0545
- Perini, L., Calabrese, L., Luciani, P., Olivieri, M., Galassi, G. and Spada, G. (2017) Sea-level rise along the Emilia-Romagna coast (Northern Italy) at 2100: scenarios and impacts. *Natural Hazards and Earth System Sciences*, 17.12 (2017): 2271
- Spada, G., Galassi, G. (2017) Extent and dynamic evolution of the lost land aquaterra since the Last Glacial Maximum. *Comptes Rendus Geoscience* 349 (4), 151-158
- Galassi, G., & Levarlet, F. (2017). Improving Sustainability of Programmes in Strategic Environmental Assessment Procedures: the QUAlitative Structural Approach for Ranking (QUASAR) the Environmental Effects. *European Journal of Sustainable Development*, 6(1), 233.
- Galassi, G., Levarlet, F., & Lorgeoux, E. (2018). SEA for Sustainable Cities: How the Strategic Environmental Assessment Has Driven the ESI Programme Towards Urban Sustainability. In *Smart and Sustainable Planning for Cities and Regions: Results of SSPCR 2017* (pp. 455-475). Springer International Publishing.
- A. Cazenave, B. Meyssignac, M. Ablain, M. Balmaseda ... G. Galassi, ... (2018). Global sea-level budget 1993-present. *Earth System Science Data*, 10, 1551-1590
- Lodolo, E., Galassi, G., Spada, G., Zecchin, M., Civile, D., & Bressoux, M. (2020). Post-LGM coastline evolution of the NW Sicilian Channel. Comparing high-resolution geophysical data with Glacial Isostatic Adjustment modeling. *Plos one*, 15(2), e0228087.
- Dobson, J. E., Spada, G., and Galassi, G. (2020). Global Choke Points May Link Sea Level and Human Settlement at the Last Glacial Maximum. *Geographical Review*.

Date

31/10/2020