


PERSONAL INFORMATION

Giulio Notarstefano

 OGS, Borgo Grotta Gigante 42/C, 34010 Sgonico (Italy)

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WORK EXPERIENCE

01/11/2002–31/03/2009

Post-degree researcher

OGS, Sgonico (Italy)

Satellite oceanography: acquisition, near-real time processing and analysis of AVHRR data. Study of the daily thermal cycle and of the thermal structures of the Mediterranean sea surface water.

01/04/2009–Present

Researcher/Technologist

OGS, Sgonico (Italy)

Analysis and delayed-mode quality control of physical data collected by autonomous systems (profiling floats). Study of the thermo-haline variability of the main surface and intermediate water masses of the Mediterranean Sea. Software development for processing and quality control of Argo float, drifter and other in-situ platforms data. Management and storage of oceanographic data.

EDUCATION AND TRAINING

01/11/1994–16/03/2000

Degree in geological sciences

University of Trieste, Trieste (Italy)

Geology: stratigraphic branch

01/03/2002–28/02/2003

Master in Cartography and Geographic Information System

University of Trieste, Trieste (Italy)

Cartography, GPS, remote sensing, GIS, web services in cartography

PERSONAL SKILLS

Mother tongue(s)

Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
First Certificate in English (Cambridge University)					

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

Communication skills

good communication skills gained through many participations in international meeting, projects and presentations

Job-related skills

- thermohaline variability of the main water masses of the Mediterranean Sea
- good command of quality control processes (currently responsible of the delayed-mode quality control of the Argo float's physical parameters in the Mediterranean Sea)
- data management and storage (NetCDF format)

- programming languages: MatLab
- visualization tools of oceanographic data: MatLab
- programming of Argo platforms via terminal emulation mode
- operational systems: Unix, Windows
- MS Office: Word, Excel, Access, Power Point

Digital skills

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

Digital skills - Self-assessment grid

ADDITIONAL INFORMATION

Scientific publications

- 1) Jordà G., K. Von Schukmann, S. Josey, G. Caniaux, J. García-Lafuente, S. Sammartino, C. Naranjo, E. Özsoy, J. Polcher, **G. Notarstefano**, P. Poulain, S. Somot, F. Adloff, J. Salat, K. Schroeder, J. Chiggiato, G. Sannino, D. Macías-Moy (2017). The Mediterranean Sea Heat and Mass Budgets. Estimations, Uncertainties and Perspectives. *Progress in Oceanography* 156 (2017) 174-208.
- 2) Von Schukmann K., Pierre-Yves Le Traon, Michel Ablain, Elin Almroth-Rosell, Enrique Alvarez Fanjul, Lars Axell, Magdalena Balmaseda, Lars-Anders Breivik, Robert Brewing, Clement Bricaud, Antonio Bonaduce, Bruno Buongiorno Nardelli, Emanuela Clementi, Gianpiero Cossarini, Quentin Dagneaux, Charles Desportes, Marie Drevillon, Yann Drillet, Clotilde Dubois, Stephen Dye, Owen Embury, Hélène Etienne, Claudia Fratianni, Gilles Garric, Florent Garsparin, Simon Good, Jerome Gourrion, Eric Greiner, Stephanie Guinehut, Elodie Gutknecht, Mathieu Hamon, Fabrice Hernandez, Pat Hyder, Jason Holt, Melanie Juza, Bengt Karlson, John Kennedy, Gerasimos Korres, Jean-François Legeais, Bruno Levier, Vidar Lien, Fernando Manzano Muñoz, Angélique Melet, Benoit Meyssignac, Rosmary Morrow, Sandrine Mulet, **Giulio Notarstefano**, Enda O’Dea, Einar Olason, Laurent Parent, Aurelien Paulmier, Alvaro Pascual, Coralie Perruche, Begona Perez Gomez, Irene Perez Gonzales, Nadia Pinardi, Andrea Pisano, Pierre-Marie Poulain, Isabelle Pujol, Marie-Fanny Racault, Dionysos Raitsos, Roshin Ra, Antonio Ramos Gonzalez, Urmas Raudsepp, Rebecca Reid, Hervé Roquet, Annette Samuelsen, Shuba Sathyendranath, Jun She, Simona Simoncelli, Cosimo Solidoro, Marcos Garcia Sotillo, Peter Sykes, Tanguy Szekely, Jonathan Tinker, Joaquin Tintore, Nathalie Verbrugge, Lena Viktorsson (2016). The Copernicus Marine Environment Monitoring Service Ocean State Report. *JOURNAL OF OPERATIONAL OCEANOGRAPHY*, 2016 VOL. 9, NO. S2, s235-s320
- 3) Kovacevic V., Ursella L., Gacic M., **Notarstefano G.**, Menna M., Bensi M. and P.-M. Poulain (2015). On the Ionian thermohaline properties and circulation in 2010-2013 as measured by Argo floats. ISSN: 0001-5113 *ACTA ADRIAT.*, 56(1): 97 - 114, 2015, 17pp.
- 4) Gacic M., Civitarese G., Kovacevic V., Ursella L., Bensi M., Menna M., Cardin V., Poulain P.-M., S. Cosoli, **G. Notarstefano**, and Pizzi C. (2014). Extreme winter 2012 in the Adriatic: an example of climatic effect on the BIOS rhythm. *Ocean Science*, 10, 1-10, 2014. doi:10.5194/osd-11-425-2014
- 5) Bensi M., Cardin V., Rubino A., **Notarstefano G.**, and Poulain P.-M. (2013). Effects of winter convection on the deep layer of the Southern Adriatic Sea in 2012. *Journal of Geophysical Research: Oceans*, Vol. 118, 1-12, doi:10.1002/2013JC009432, 2013
- 6) Poulain P.-M., Bussani A., Gerin R., Jungwirth R., Mauri E., Menna M., and **Notarstefano G.** (2013). Mediterranean surface currents measured with drifters: From basin to subinertial scales. *Oceanography* 26(1):38-47, <http://dx.doi.org/10.5670/oceanog.2013.03>.
- 7) V. Kovacevic, B. B. Manca, L. Ursella, K. Schroeder, S. Cozzi, M. Burca, E. Mauri, R. Gerin, **G. Notarstefano**, D. Deponte (2012). Water mass properties and dynamic conditions of the Eastern Mediterranean in June 2007. *Progress in Oceanography*, 104 (2012), 59-79.
- 8) I. Tomazic, M. Kuzmic, **G. Notarstefano**, E. Mauri, P.-M. Poulain (2011). A comparative assessment of satellite-derived Adriatic Sea surface temperature (2011). *International Journal of Remote Sensing*, Vol. 32, N. 17, 4871-4892

9) P.M. Poulain, C. Lee, E. Mauri, **G. Notarstefano** and L. Ursella (2011). Observations of currents and temperature-salinity-pigment fields in the northern Adriatic Sea in winter 2003 (2011). *Bollettino di Geofisica Teorica ed Applicata*, Vol. 52, n. 1, pp. 149-174; March 2011

10) Elena Mauri Pierre-Marie Poulain, **Giulio Notarstefano** (2008). Spatial and temporal variability of the sea surface temperature in the Gulf of Trieste between January 2000 and December 2006. *Journal of Geophysical Research* – 113, C10012, doi:10.1029/2007JC004537

11) **Giulio Notarstefano**, Elena Mauri e Pierre-Marie Poulain (2008). Estimation of surface currents in the Adriatic Sea from sequential infrared satellite images. *Journal of Atmospheric and Oceanic Technology* – 25, 271-285

12) **Giulio Notarstefano**, Elena Mauri e Pierre-Marie Poulain (2006). Near-surface thermal structure and surface diurnal warming in the Adriatic Sea using satellite and drifter data. *Remote Sensing of Environment* – 101 (2006) 194-211

Projects (recent)

- MOCCA (2015-2020): Argo float deployments in the Mediterranean and Black Sea and in the Southern Ocean; delayed mode quality control of the Argo physical data; development of consistency check tools for Argo data

- CMEMS INSTAC phase 2 (2018-2021): production of the Mediterranean drifter files with real time quality control; support to the Med Sea INSTAC component contribution to the crosscutting activities (Quality, MYP, OSR)

- Argo Italy (since 2011): Italian contribution to international programs such as Argo and Euro-Argo (global monitoring of water properties with profiling floats)