



Pierluigi Di Pietro
Curriculum Vitae
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Personal Info

Born at Mannedorf (Svizzera) on 22/01/1970
Resident Via Rivani, 89 – 40138 (Bologna)
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Studies

15 March 2001 **Degree in Physics**, obtained at the 'Università' di Bologna".
Thesis title: "Studio di trasferimento radiativo in atmosfera
diffusiva in presenza di sorgenti termica e solare".
Final vote: 107/110

Work experiences

1st Jan 2016 **I.N.G.V. Roma2 Department, Bologna**
Fixed term contract (1 year) as Technologist, III level, in the framework of
EUCISE2020 and MED-MFC projects, backed by the European Union.

1st Jan 2015 **I.N.G.V. Roma2 Department, Bologna**
Fixed term contract (1 year) as Technologist, III level, in the framework of
MyOceanFO, SEADATANET, ENSEMBLES projects, backed by the
European Union.

1st Jan 2014 **I.N.G.V. Roma2 Department, Bologna**
Fixed term contract (1 year) as Technologist, III level, in the framework of
"NEXTDATA" project, backed by MIUR (Ministero dell'Istruzione, dell'
Universita e della Ricerca).

1st Jan 2013 **I.N.G.V. Roma2 Department, Bologna**
Fixed term contract (1 year) as Technologist, III level, in the framework of
"NEXTDATA" project, backed by MIUR (Ministero dell'Istruzione, dell'
Universita e della Ricerca).

1st Jan 2010 **I.N.G.V. Roma2 Department, Bologna**
Fixed term contract (3 years) as Technologist, III level, in the framework of
"CIRCE" project, backed by the European Union (15 months), and in charge
of INGV's institutional balance sheet for the remaining time.

1st Jan 2009 **I.N.G.V. Roma2 Department, Bologna**
Fixed term contract (1 year) as Technologist, III level, in the framework of
"CIRCLE" and "CIRCE" projects, backed by the European Union.

1st Jan 2008 **I.N.G.V. Roma2 Department, Bologna**
Fixed term contract (1 year) as Technologist, III level, in the framework of "
"CIRCE" project, backed by the European Union.



- 1st Jan 2007 **I.N.G.V. Roma2 Department, Bologna**
Fixed term contract (1 year) as Technologist, III level, in the framework of “DYNAMITE” project, backed by the European Union.
- 1st Jan 2005 **I.N.G.V. Roma2 Department, Bologna**
Fixed term contract (2 years) as Technician, in the framework of “ENSEMBLES “ and “DYNAMITE” projects, backed by the European Union.
- 1st Jan 2004 **I.N.G.V. Roma2 Department, Bologna**
Fixed term contract (1 year) as Technician, in the framework of “ENACT “ project, backed by the European Union.
- 1st Jan 2003 **I.N.G.V. Sezione Roma2, Bologna**
One year grant, in the frame work of “W-BLESS-MINAMB” project, backed Italian Ministry of the Environment
- 1st Jan 2002 **I.N.G.V. Sezione Roma2, Bologna**
One year grant, in the frame work of “CESI” project, backed by ENI

Publications

- Rizzi R., Di Pietro P., Loffredo G., 2001. *Comparison of measured and modeled stratus cloud and infrared spectral signatures*. J. Of Geoph. Res., Vol 106, pp 34,109 – 34,119
- S. Masina, P.Di Pietro, A. Navarra, 2004. *Interannual-to-decadal variability of the North Atlantic from an ocean data assimilation system*. Climate Dynamics (2004), 23, pp. 531-546
- A. Bellucci,S. Masina,P. Di Pietro, and A. Navarra, *Using temperature-salinity relations in a global ocean implementation of a multivariate data assimilation scheme*. *Monthly Weather Review*, November 2007, vol 135, pp. 3785-3807
- Alessandri A. , Borrelli A. , Masina S., Cherchi A., Gualdi S., Di Pietro P., Carril F. A., and Navarra A., 2010. *The INGV-CMCC Seasonal Prediction System: improved ocean initial conditions*. *Monthly Weather Review*, Vol 138, issue 7, pp 2930-2952, Jul 2010.
- Di Pietro P., Masina S., 2010. *The CMCC-INGV Global Ocean Data Assimilation System (CIGODAS)*. *CMCC Research Papers, RP0071, 2010*
- Masina, S., P. Di Pietro, A. Storto, S. Dobricic, A. Alessandri, and A. Cherchi 2010. *Reanalyses in the global ocean at CMCC-INGV: examples and applications*. *Mercator Ocean Quarterly Newsletter* **36**, 28-38.
- Masina, S., P. Di Pietro, A. Storto and A. Navarra, 2011, *Global ocean re-analyses for climate applications*, *Dynamics of Atmospheres and Oceans*. Vol 52, Issue: 1-2 pp 341-366, Sept 2011. doi:10.1016/j.dynatmoce. 2011.03.006.



[Storto A., Dobricic S., Masina S. and Di Pietro P., 2011. *Assimilating Along-Track Altimetric Observations Through Local Hydrostatic Adjustment in a Global Ocean Variational Assimilation System*. *Monthly Weather Review*, **139**, 738-754.

- Materia S., Borrelli A., Bellucci A., Alessandri A., Di Pietro P., Athanasiadis P., Navarra A., and Gualdi S., 2014. *Impact of atmosphere and land surface initial conditions on seasonal forecast of global surface temperature*. *Journal of Climate*, 10/2014, e-view, <http://dx.doi.org/10.1175/JCLI-D-14-00163.1>

Presentations at Meetings

- Masina S., Carril A., Iovino D. and Di Pietro P., Decadal climate variability in the North Atlantic detected in an ocean analysis and coupled GCM, in *EOS, Transactions, Eos Trans. AGU, 83(47), Fall Meet. Suppl., 2002*.

- Masina S., Di Pietro P. and Iovino D., Decadal climate variability in the upper North Atlantic detected in an ocean analysis. EGS - AGU - EUG Joint Assembly, Nice, France, April 2003

- Bellucci A., Masina S. and P. Di Pietro, Un sistema di assimilazione dati per l'oceano globale. CAPI'04 8th Workshop. *Il calcolo ad alte prestazioni nella simulazione dell'ambiente e dell'azione degli agenti atmosferici*. , 24-25 November 2004

- Bellucci A., Masina S., and Di Pietro P., 2006. A multivariate optimal interpolation scheme for data assimilation in a global ocean general circulation model. *Proceedings of the 4th WMO International Symposium on Assimilation of Observations in Meteorology and Oceanography*. Praga, 18-22 Apr. 2005.

- Alessandri A. , Carril A., Gualdi S., Di Pietro P., Masina S. and Navarra A., *Seasonal predictions at INGV-CMCC: sensitivity to improvements in the ocean initial conditions*. *WCRP Workshop on Seasonal Prediction, Barcellona, June 2007*

- Alessandri A. , Borrelli A. , Di Pietro P. , Masina S. , Fogli P. G. , Manzini E. and Navarra A. , *CMCC-INGV Seasonal Prediction System: development and results*. *5th ENSEMBLES General Assembly, Santander, 20-24 October 2008*

- Masina S., Dobricic S., Di Pietro P. and Pinardi N. , *Heat And Salinity Variability Over The Upper-Ocean In Two Global Re-Analyses*. *GODAE Final Symposium, Nice, 12 -15 November 2008*.

- Alessandri A., Gualdi S., Scoccimarro E., Masina S., Di Pietro P., Navarra A., *Tropical cyclone count predictability on seasonal time-scale using dynamical climate*



forecasts. EGU General Assembly 2009, held 19-24 April, 2009 in Vienna, Austria
<http://meetings.copernicus.org/egu2009>, p.12541

- Storto A., Dobricic S., Masina S., Di Pietro P., *Global oceanographic variational data assimilation of in-situ observations and space-borne altimeter data for reanalysis applications*. 5th WMO Symposium on Data Assimilation, 5-9 October 2009, Melbourne, Australia

- Storto A., Dobricic S., Masina S., Di Pietro P., *Assimilating space-borne observations in a global ocean variational assimilation system*. **4th Oceans from Space Symposium**, 26 – 29 April 2010, Venice, Italy.

- A. Storto, S. Dobricic, S. Masina, P. Di Pietro, I. Russo and A. Navarra, 2011: The INGV/CMCC global ocean variational analysis system: applications, developments and perspectives. **EGU General Assembly 2011**, Poster presentation, Vienna 4-8 April 2011.

- S. Masina, A. Storto, S. Dobricic, P. Di Pietro, I. Russo and A. Navarra, 2011: Impact of data assimilation and model resolution on sea level rise and variability. **EGU General Assembly 2011**, Poster presentation, Vienna 4-8 April 2011.

- I. Russo, S. Masina, A. Storto, P. Di Pietro, 2011: *The use of ORCA025 for a study on sea level rise and variability*. NEMO Users Meeting 2011 (Toulouse, 29-06-2011)

Websites

In charge as administrator/maintainer of the INGV MyOcean Dissemination Unit (data downloading/visualizaion) website <http://misgw.cmcc.it> and ftp service <ftp://misgw.cmcc.it>

I give my consent for the handling of the personal information supplied, according to the provisions of law N. 675/96 and subsequent changes and integrations, for Your selection and communication needs

Bologna, 18/08/2015

Pierluigi Di Pietro