

## Europass Curriculum Vitae



### Personal information

First name(s) / Surname(s)

**GIORGIO BONI**

Address(es)

Via Magliotto, 2, University Campus, Marchi Building,  
I-17100, Savona, Italy

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Giorgio.boni@cimafoundation.org

Nationality

Italian

Date of birth

06/06/1968

Gender

M

### Desired employment / Occupational field

**Professor**

### Work experience

Dates

October 1998 – October 1999

Occupation or position held

technical assistant

Main activities and responsibilities

Implementation and development of a monitoring and early warning system for the establishment of the Regional Hydro-Meteorological Centre (Liguria-Italy)

Name and address of employer

University of Genoa  
Via Balbi 5  
I-16100 Genova, Italy

Type of business or sector

Applied research

Dates

November 1999 – October 2000

Occupation or position held

technical officer

Main activities and responsibilities

Coordination of the activities of the University of Genoa in the framework of the EU project INTERREG IIC "management of the territory and flood prevention"

Name and address of employer

University of Genoa  
Via Balbi 5  
I-16100 Genova, Italy

Type of business or sector

Applied research

Dates

November 2000 – present

Occupation or position held

Assistant Professor

Main activities and responsibilities

Research and teaching activity focused on understanding the underlying physics of natural phenomena that cause natural disasters, with special attention to hydro-meteorology.  
Vice-president of the Environmental Engineering Course  
Co-ordination of several research projects

Name and address of employer University of Genoa  
Via Balbi 5  
I-16100 Genova, Italy

Type of business or sector Research and Teaching

Dates October 2007 – present

Occupation or position held Scientific director

Main activities and responsibilities Coordination and evaluation of scientific research activities of CIMA Foundation researchers

Name and address of employer CIMA Research Foundation  
Via Magliotto, 2, University campus, Marchi Building  
I-17100 Savona, Italy

Type of business or sector Management

**Education and training**

Dates December 1992

Title of qualification awarded Laurea degree

Principal subjects/occupational skills covered Hydraulic engineering

Name and type of organisation providing education and training University of Genoa (Italy)

Level in national or international classification Magna cum laude

Dates July 1997

Title of qualification awarded Doctoral degree

Principal subjects/occupational skills covered Hydrodynamics

Name and type of organisation providing education and training University of Padua (Italy)

Level in national or international classification -

**Personal skills and competences**

Mother tongue(s) **Italian**

Other language(s) **English, French**

Self-assessment  
*European level (\*)*

**English**

**French**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Vantage	C1	Effective Operational Proficiency	B2	Vantage	B2	Vantage	B2	Vantage
B1	Threshold	C1	Effective Operational Proficiency	B1	Threshold	B1	Threshold	A2	Waystage

(\*) *Common European Framework of Reference for Languages*

Organisational skills and competences

Ability to coordinate innovative and complex research projects involving various partner institutions. Experience, since 2000, as scientific director and principal investigator of research projects worth a total funding of more than 5 million Euros.

Technical skills and competences	<p>Research activities in the field of hydro-meteorological and eco-hydrological applications of remote sensing techniques. Data assimilation in hydrological models for evaporation and evapotranspiration estimation at regional scale</p> <p>Operational and research experience in hydrology, with particular emphasis in flash-flood forecasting and statistical analysis of the extremes.</p> <p>Author and co-author of 15 papers published on international refereed journals, 35 short papers published on proceedings of international conferences and 49 abstracts presented at international conferences.</p>
Computer skills and competences	<p>Replace this text by a description of these competences and indicate where they were acquired. (Remove if not relevant, see instructions)</p>
Other skills and competences	<p>Teaching activity, since 1998, at the Universities of Genoa and University of Basilicata (Italy) in the following fields: Probability and statistics for civil and environmental engineers; Ecohydrology; Water resources management, Hydraulic structures.</p>
<b>Additional information</b>	<p>Include here any other information that may be relevant, for example contact persons, references, etc. (Remove heading if not relevant, see instructions)</p>

## Annexes

### List of publications

#### Peer Reviewed International publications

- [1] Gabellani, S., Silvestro, F., Rudari, R., and Boni, G., General calibration methodology for a combined Horton-SCS infiltration scheme in flash flood modeling, *Nat. Hazards Earth Syst. Sci.*, 8, 1317-1327, 2008. (IF-2007: 1.021)
- [2] Parodi, A., G. Boni, and F. Siccardi, Revisiting the rainfall index question: a new parsimonious method of mapping the rainfall index in mountainous environment. *Journal of Hydrometeorology*, DOI:10.1175/2007JHM900.1, 2008
- [3] Sini, F., G. Boni, F. Caparrini, and D. Entekhabi, Estimation of large-scale evaporation fields based on assimilation of remotely sensed land temperature, *Water Resour. Res.*, 44, W06410, DOI:10.1029/2006WR005574, 2008
- [4] Baudena, M., G. Boni, L. Ferraris, J. von Hardenberg and A. Provenzale, Vegetation response to rainfall intermittency in drylands: results from a simple ecohydrological box model. *Adv Water Resour.*, DOI: 10.1016/j.advwatres.2006.11.006, 30, 1320-1328, 2007. (IF: 1.817)
- [5] Gabellani, S., G. Boni, L. Ferraris, J. von Hardenberg and A. Provenzale, The propagation of uncertainty from rainfall to runoff: A simulation study. *Adv Water Resour.*, DOI:10.1016/j.advwatres.2006.11.015, 30, 2061–2071, 2007. (IF: 1.817)
- [6] Boni, G., L. Ferraris, F. Giannoni, G. Roth, R. Rudari, Flood probability analysis for un-gauged watersheds by means of a physically based hydrologic model. *Adv Water Resour.*, doi:10.1016/j.advwatres.2006.08.009, 30, 2135–2144, 2007. (IF: 1.817)
- [7] Boni, G., A. Parodi and R. Rudari, Extreme rainfall events: learning from rain gauge time series. *Journal of Hydrology*, 327, 304-314, 2006. (IF: 2.117)
- [8] Siccardi F., G. Boni, L. Ferraris, R. Rudari, A hydro-meteorological approach for Probabilistic Flood Forecast. *Journal of Geophysical Research*. vol. 110, No. D5 ISSN: 0148-0227. D05101. 10.1029/2004JD005314, 2005. (IF: 2.784)
- [9] Accadia, C., M. Casaioli, S. Mariani, A. Lavagnini, A. Speranza, A. De Venere, R. Inghilesi, R. Ferretti, T. Paolucci, D. Cesari, P. Patrino, G. Boni, S. Bovo e R. Cremonini, Application of a statistical methodology for limited area model intercomparison using a bootstrap technique. *Il Nuovo Cimento*, vol. 26 C, n.1, 61-77, 2003.
- [10] Boni, G., D. Entekhabi and F. Castelli, Land data assimilation with satellite measurements for the estimation of surface energy balance components and surface control on evaporation. *Water Resources Research*. 37(6), 1713-1722, 2001.
- [11] Boni, G., F. Castelli and D. Entekhabi, Sampling strategies and assimilation of ground temperature for the estimation of surface energy balance components. *IEEE Transactions on Geosciences and Remote Sensing*. 39(1), 165-172, 2001.
- [12] Parodi, A. and G. Boni, Phenomenological validation of a regional rainfall frequency analysis. *Physics and Chemistry of the Earth – Part B*, 26(9), 649-654, 2001.
- [13] Bolla, R., G. Boni, P. La Barbera, L. Lanza, M. Marchese and S. Zappatore, The tracking and prediction of high intensity rainstorms. *Remote Sensing Reviews – edizione speciale “The STORM project”*. 14(1-3), 151-184, 1996.
- [14] Lanza, L., G. Boni, M. Conti, P. La Barbera, and F. Siccardi, The role of cloud tracking and passive microwave techniques in the short-term prediction of flood hazard on a regional scale. *Meccanica* 31, 3-14, 1996.
- [15] Boni, G., M. Conti, S. Dietrich, L. Lanza, F. S. Marzano, A. Mugnai, G. Panegrossi and F. Siccardi, Multisensor observations during the event of November 4-6, 1994 over Northern Italy. *Remote Sensing Reviews – edizione speciale “The STORM project”*. 14(1-3), 91-118, 1996.