

PERSONAL INFORMATION

Francesco Malfasi



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Sex Male | Date of birth 30/12/1988 | Nationality Italian

EDUCATION AND TRAINING

2014 - Ph.D student in “Chemical and Environmental Science”
Project title: “Manipulation experiments for the assessment and monitoring of climate change impacts on vegetation ecosystems in alpine and polar environments”
University of Insubria, Department of Science and High Technology

2010 - 2012 Second Degree of Environmental Science
Thesis Title: “Impacts of climate change on high altitude shrub vegetation. Cases study in Upper Valtellina”
University of Insubria

Vote
110/110 Lode:

2007 - 2010 Bachelor Degree of Analysis and Management of Natural Resources
Thesis Title: “Analysis of CO₂ fluxes of target species in two different site in Upper Valtellina within subalpine and alpine zones”
University of Insubria,

Vote
110/110 Lode

2002 - 2007 Diploma
“G. Terragni” Public High School, Via Segantini, 41 – 22077, Olgiate Comasco (CO), Italy

WORK EXPERIENCE

15 Feb – 20 Apr 2016 XXXI Italian Antarctic Expedition
Programma Nazionale di Ricerche in Antartide (PNRA)
Researcher within the project: “Interactions between permafrost and climate and his importance for biodiversity along a latitudinal gradient in maritime Antarctica” (PEA 2013/C1.01).
Signy Research Station (British Antarctic Survey), 28 Feb 2016 – 5 Mar 2016

15 Jan – 25 Mar 2015 XXX Italian Antarctic Expedition
Programma Nazionale di Ricerche in Antartide (PNRA)
Researcher within the project: “Interactions between permafrost and climate and his importance for biodiversity along a latitudinal gradient in maritime Antarctica” (PEA 2013/C1.01).
Signy Research Station (British Antarctic Survey), 27 Jan 2015 – 16 Mar 2015

15 May – 15 Nov 2014 Contract on “Assessment of climate change impacts in alpine environment through *in situ* manipulation experiments following the International Tundra Experiment design”
University of Insubria, Department of Theoretical and Applied Science

- 15 Dec 2013 – 15 Apr 2014 **Contract on “Vegetation and CO₂ fluxes analysis in Antarctic ecosystems - Rothera Research Station (British Antarctic Survey)”**
University of Insubria, Department of Theoretical and Applied Science
- 18 Dec – 29 Mar 2014 **XXIX Italian Antarctic Expedition**
Programma Nazionale di Ricerche in Antartide (PNRA)
Researcher within the project: “Permafrost and climate change” (PEA 2013-C1.01)
Rothera Research Station (British Antarctic Survey), 1 Jan 2014 – 22 Mar 2014
- 10 Feb – 10 Mar 2014 **Contract on “Data analysis of Arctic field campaign, Svalbard Islands, Summer 2013”**
Istituto di Biologia Agroambientale e Forestale (IBAF) – National Research Council (CNR)
- a.a. 2013/2014 **Contract in support the lectures: “Climate change impact”(GEO/04) and “Plant biodiversity and climate change” (BIO/02)**
University of Insubria, Department of Science and High Technology
- 5 Jun – 11 Jul 2013 **Arctic field campain**
University of Insubria
Researcher within the project: “Climate change impacts on the sensitive system permafrost-vegetation: spatial variability of active layer thickness, vegetation and CO₂ fluxes (SPA ALVECO)” - RIS Id: 5844
“Dirigibile Italia” Research Station (Italian National Research Council), Ny-Alesund (Svalbard Is.)
- 2 Jan – 30 Oct 2013 **Contract on “Technical support to the elaboration of National Adaptation Strategy to Climate Changes”**
Euro-Mediterranean Centre on Climate Changes S.C.a r.l., Via Augusto imperatore, 16 – 73100 Lecce
Contributor within “Climate Changes and Terrestrial Ecosystems” chapter, coordinated by Prof. Marino Gatto (Politecnico di Milano)
- 5 Jan – 5 Jun 2011 **Contract on “Study of CO₂ fluxes in polar cryotic environment ”**
University of Insubria, Department of Structural and Functional Biology (DBSF)
- 5 Jan – 20 Mar 2011 **XXIX Italian Antarctic Expedition**
Programma Nazionale di Ricerche in Antartide (PNRA)
Researcher within the project: “Permafrost and climate change” (PEA 2013-C1.01)
Rothera Research Station (British Antarctic Survey), 5 Jan 2011 – 20 Mar 2011

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
English	B1	C1	B1	B2
Spanish	A1	A2	A1	A1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills	▪ good communication skills gained through my working and travelling experiences, both in homeland and in foreign countries ▪ good ability of integration and cooperation within multicultural contexts
Organisational / managerial skills	▪ good capacity in organization and good sharing sense, gained through studying and working groups
Computer skills	▪ competent with most Microsoft Office™ tools ▪ good knowledge and experience in geographic information systems (QGIS, GRASS GIS, ArcGIS) ▪ good use of statistical softwares (Statistica ®; XLSTAT) ▪ competent with tree-ring analysis devices and software (LINTAB 6, TSAPWin, Rinntech) ▪ good knowledge in dataloggers (Gemini; Hobo Onset) and data analysis; experience in automatic weather station downloading and maintenance
Other skills	▪ Lifeguard ▪ Enjoy many sports: tennis (agonistic level), swimming, alpine skiing, hiking, mountain bike, rock climbing ▪ Artistic competences: I can play piano, acoustic guitar, electric bass ▪ Love to travel and experience different cultures ▪ Experience with local pacifist association
Driving licence	B

FURTHER INFORMATION

Publications	Cannone, N., Augusti, A., Malfasi, F., Pallozzi, E., Calfapietra, C., Brugnoli, E., 2015: "The interaction of biotic and abiotic factors at multiple spatial scales affects the variability of CO₂ fluxes in polar environments". Polar Biology, DOI 10.1007/s00300-015-1883-9. Guglielmin, M., Convey, P., Malfasi, F., Cannone, N., 2015: "Glacial fluctuations since the "Medieval Warm Period" at Rothera Point (western Antarctic Peninsula)". The Holocene, 1-5, DOI 10.1177/0959683615596827. Castellari, S., Venturini, S., Giordano, F., Ballarin Denti, A., Bigano, A., Bindi, M., Bosello, F., Carrera, L., Chiriaco, M.V., Danovaro, R., Desiato, F., Filpa, A., Fusani, S., Gatto, M., Gaudio, D., Giovanardi O., Giupponi C., Gualdi S., Guzzetti F., Lapi M., Luise A., Marino G., Mysiak J., Montanari A., Pasella D., Pierantonelli L., Ricchiuti A., Rudari R., Sabbioni C., Sciortino M., Sinisi L., Valentini R., Viaroli P., Vurro M., Zavatarelli M., 2014: "Elementi per una Strategia Nazionale di Adattamento ai Cambiamenti Climatici". Ministero dell'Ambiente e della Tutela del Territorio e del Mare (MATM), Roma, ISBN 9788887728071. Dalle Fratte, M., Cannone, N., Malfasi, F., 2014: Long-term vegetation dynamic in relation to climate change in Italian Central Alps", p. VII, in atti del 109° Congresso Società Botanica Italiana (International Plant Science Conference). Malfasi, F., Pignatti, S., Cannone, N., 2014: "Shrubs and trees encroachment in response to climate warming in an high elevation alpine environment (Italian Central Alps), p. 101, in atti del 109° Congresso Società Botanica Italiana (International Plant Science Conference). Cannone, N., Guglielmin, M., Gambillara, R., Malfasi, F., 2013: "Relationships between biosphere and cryosphere in a climate change frame at Ny-Alesund – CCT", p. 22 in "11th Ny-Alesund Science Managers Committee Seminar", ISSN 2239-5172. Augusti, A., Cannone, N., Malfasi, F., Pallozzi, E., Brugnoli, E., Calfapietra, C., 2013: "Carbon fluxes in Arctic plant species: photosynthetic performances, isotopic signature and VOCs emissions", p. 26 in "11th Ny-Alesund Science Managers Committee Seminar", ISSN 2239-5172. Malfasi, F., Cannone, N., 2013: "Impatti del cambiamento climatico su sviluppo e diffusione delle
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vegetazioni arbustive di alta quota" , La Palinologia nel 2013 - Modena, Università degli Studi di Modena e Reggio Emilia, 27-29 Maggio 2013.

Malfasi, F., 2011: "Progetto 2009/A2.12: Permafrost e Cambiamento Climatico", pp. 38-41 in "Rapporto sulla Campagna Antartica: Estate Australe 2010-2011 - Ventiseiesima Spedizione", ISSN 1723-7084.

Dalle Fratte, M., **Malfasi, F.**, 2014: "Progetto 2013/C1.01: relazione di attività antartica presso la base inglese di Rothera" in "Rapporto sulla Campagna Antartica: Estate Australe 2013-2014 – Ventinovesima Spedizione", **forthcoming**.

Cannone, N., **Malfasi, F.**, Guglielmin, M.: "Dendrochronological and dendroclimatological use of the alpine shrub *Rhododendron ferrugineum* in the European Alps", Biogeoscience, **initial submission**.

Oral presentation

Dalle Fratte, M., Cannone, N., **Malfasi, F.**: "Long-term vegetation dynamic in relation to climate change in Italian Central Alps", 109° Congresso Società Botanica Italiana (International Plant Science Conference) - Firenze, 2-5 Sep 2014.

Malfasi, F., Cannone, N.: "Impatti del cambiamento climatico su sviluppo e diffusione delle vegetazioni arbustive di alta quota" , La Palinologia nel 2013 - Modena, Università degli Studi di Modena e Reggio Emilia, 27-29 May 2013.

Poster

Malfasi, F., Pignatti, S., Cannone, N.: "Shrubs and trees encroachment in response to climate warming in an high elevation alpine environment (Italian Central Alps)", poster n. 101, 109° Congresso Società Botanica Italiana (International Plant Science Conference) - Firenze, 2-5 Sep 2014.

Conferences and workshops

"Impacts of Climate Change on Ecosystem Services" – Milano, Politecnico di Milano, 23 Jun 2015;

"109° Congresso Società Botanica Italiana - International Plant Science Conference (IPSC)" – Firenze, 2-5 Sep 2014

"Milano-Bicocca e i Cambiamenti Climatici: Ricerca, Formazione, Divulgazione" – Milano, Università degli Studi Milano-Bicocca, 9 Apr 2014;

"High Summit 2013. International Conference on Mountains and Climate Change" – Lecco, Ev-K2-CNR presso Politecnico di Milano (Polo Territoriale di Lecco), 23-25 Oct 2013;

"La Palinologia nel 2013: ponte tra paleoecologia ed ecologia per la comprensione dei cambiamenti globali indotti dall'impatto antropico nel Mediterraneo" - Modena, Università degli Studi di Modena e Reggio Emilia, 27-29 Maggio 2013;

"Cambiamento climatico: analisi ed impatti su specie ed ecosistemi vegetali", Società Botanica Italiana, Gruppo di Ecologia - Varese, Università degli Studi dell'Insubria, 18 Apr 2012;

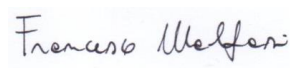
"IV Giornata Nazionale dei Giovani Geomorfologi", Associazione Italiana di Geografia Fisica e Geomorfologia - Como, Università degli Studi dell'Insubria, 28-30 Sep 2011.

Corsi di perfezionamento

"Summer school on Alpine Plant Life", lecturers: Prof. Christian Körner, Prof. Jürg Stöckli, Dr. Erika Hiltbrunner, ALPFOR Research Station, Furka Pass, 20-25 Jul 2015.

"Short course in periglacial geomorphology", visiting professor: Hugh M. French, Como, Università degli Studi dell'Insubria, 25-26 May 2011;

Faloppio, 25th February 2016

Sign 

Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali (facoltativo)".