



PERSONAL INFORMATION



Michela Bevione

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Date of birth 31/05/1988

Nationality Italian

WORK EXPERIENCE

October 2016 – Present

PhD Fellowship

National Institute for Research in Computer Science and Control (INRIA Grenoble Rhône-Alpes, STEEP – Sustainability Transition, Environment, Economy and local Policy research group), Doctoral School in Humanities, Political and Territorial Sciences (Université Grenoble Alpes, PACTE Laboratory)

PhD thesis: "Socio-ecological transition, wealth creation and territorial metabolism: the case of Maurienne Valley"

*Interdisciplinary research on **territorial ecology**, aiming at bridging the gap between quantitative modeling and socio-economic and qualitative approaches to better understand the interactions between human society and the environment:*

- quantitative modeling based on multi-scale **material and energy flows, life cycle assessment, input-output analysis**;
- qualitative approaches including the analysis of **actors involved in wealth creation systems and their interconnections** (proximities, power, legitimacy, motivation).

December 2014 – July 2016

Junior Research Fellowship

Fondazione Eni Enrico Mattei (FEEM, Milan, Italy), Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC)

*Research activity based on the integrated assessment model WITCH (<http://www.witchmodel.org/>), focusing on the **water-energy nexus** in the power generation sector, the introduction of consumer behaviour in the transport modeling, the global fossil fuel supply and trade, generating **long-term scenarios** on the interplay between energy efficiency and climate change policies.*

EDUCATION AND TRAINING

March 2011 – March 2014

Master's Degree in Energy and Nuclear Engineering

Politecnico di Torino, Italy

Models and scenarios for energy planning, technologies for renewable energy sources, environmental impact of energy systems, energy savings in buildings.

- Final dissertation: "Wood biomass: evaluation of consumption through estimate models for residential sector energy needs"
- Thesis awards: "Young Scientists Award 2014" promoted by the Alpine Convention and "Premio Ambiente Domani" promoted by the Torino Chamber of Commerce

- March 2012 – December 2012 **Extra-UE Programme promoted by Politecnico di Torino**
 Pontificia Universidad Católica de Chile, Santiago de Chile
Sustainable development strategies, technologies for solid waste treatment, sustainable management of natural resources for agricultural and energy uses.
- September 2007 – March 2011 **Bachelor in Energy Engineering**
 Politecnico di Torino, Italy
Mathematics, physics, statistics, chemistry, computer sciences, applied thermodynamics and heat transfer, building physics, technologies for energy production.

 - Final dissertation: *“Environmental and energy feasibility study for an alpine village”*
- September 2002 – July 2007 **Secondary school diploma**
 Classical Lyceum “San Paolo”, Alba (CN), Italy

PERSONAL SKILLS

- Digital competences**

 - Python, R, GAMS, Matlab, LEAP, ArcGIS: *proficient user*
 - Coolpack, Freefem++, Autocad: *independent user*
 - Microsoft Office (Word, Excel, Power Point), LyX: *proficient user*
- Job-related skills**

 - Good knowledge on *models and scenarios for energy planning* at local and global scale.
 - Good competences in *facing interdisciplinary problems* such as the interplay between socio-economic systems and the environment.
- Communication, organisational / managerial skills**

 - Good *communication skills in multicultural contexts*, developed by studying and working in national and international teams and by taking part in international seminars, summer schools and conferences.
 - Good attitude to *teamwork and team building*.
- Language skills**

 - Mother tongue: Italian
 - Other languages:

	UNDERSTANDING		SPEAKING	WRITING
	Listening	Reading		
English	Proficient	Proficient	Proficient	Proficient
Spanish	Advanced	Advanced	Advanced	Advanced
French	Intermediate	Intermediate	Intermediate	Intermediate
Portuguese	Basic	Basic	Basic	Basic

Certificates: English - FCE (grade A), French – DELF A2, Spanish – DELE C1

- Other skills**

 - Practice of team and individual sports (volleyball, football, track and field, rock climbing, alpinism, trekking, circus).
 - Collaboration with the volunteer association “La Carovana” (Alba, Italy) in the organization of leisure activities for disabled people.
 - Participation in social and agricultural volunteer projects in Brazil and Chile.
- Driving licence** B

ADDITIONAL INFORMATION**Conferences and Presentations**

- International Energy Workshop, Cork, 1-3 June 2016 – *Global freshwater demand for electricity generation to 2100 under low-carbon scenarios*
- Science Symposium on Climate, Rome, 19-20 November 2015 – *Global freshwater demand for electricity generation to 2100 under low-carbon scenarios*
- Fourth Convention of FEEM and CMCC on climate change and sustainable development economics, Venice, 19-21 October 2015 – *Global freshwater demand for electricity generation to 2100 under low-carbon scenarios*
- Expert Workshop of the WP3 ADVANCE project, London, 14-16 September 2015 – *Introducing behaviour and heterogeneity in transport modeling in the WITCH model*

Summer schools and other courses

- *Venice Symposium 2014*, Fifth International Symposium on Energy from Biomass and Waste, Venice, 17-20 November 2014
- *Alpi oltre la crisi. Primo laboratorio alpino per lo sviluppo*, Oulx, 9-10 September 2014
- *ForumAlpinum 2014. Alpine resources: use, valorization and management from local to macro-regional scale*, Darfo Boario Terme, 17-19 September 2014
- *Appropriate technologies for resources valorization in sanitation sector in developing countries*, summer school organized by CeTAmb Lab (Università di Brescia), July 2014
- *Environment and international cooperation: mainstreaming environment in sustainable development projects*, online course promoted by VIS, May – July 2014
- *“Crowdmapping Mirafiori Sud” Student Project*, Politecnico di Torino, April – September 2013

Projects

- *ADVANCE - Advanced Model Development and Validation for Improved Analysis of Costs and Impacts of Mitigation Policies*. Funded by the European Commission, Seventh Framework Programme (December 2014 – July 2016)

Honours and awards

- *“Young Scientists Award 2014”*, promoted by the Alpine Convention for thesis concerning the sustainable energy production in the alpine reality
- *“Premio Ambiente Domani 2014”*, promoted by the Torino Chamber of Commerce and addressed to technical-scientific thesis dealing with environmental themes

Memberships

- Enrolled in the Italian engineering professional register (2014)
- Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC)
- Società Italiana per le Scienze del Clima (SISC)

References**Emmanuel Prados**

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