

Eleonora Demaria

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Education

- Ph.D. student** Department of Hydrology and Water Resources. The University of Arizona, 2003-present.
- M.S.** Meteorology, Meteorology Department. The University of Utah, 2003.
- B.S. (with Honors)** Water Resources Engineering. Engineering and Water Resources Department. National University of the Litoral, Argentina, 2001.
- A.D.** Sanitation. Biochemistry and Biological Sciences Department. National University of the Litoral, Argentina, 1992.

Experience

- Summer 2006** United Nations Environmental Programme, Intern.
- 2003-present** Research Assistant. Hydrology and Water Resources Department, The University of Arizona.
- 2006-present** Teaching Assistant Hydraulic Engineering and Design Course. Department of Civil Engineering and Engineering Mechanics, The University of Arizona.
- 2004-2006** Teaching Assistant Fluid Mechanics Laboratory. Department of Civil Engineering and Engineering Mechanics, The University of Arizona.
- 2002-2003** Team member of the South American Low Level Jet Field Experiment, Bolivia. NOAA
- 2001-2003** Research Assistant Meteorology Department, The University of Utah
- 1996-2001** Research Assistant Engineering and Water Resources Department, National University of the Litoral.
- 1994- 2001** Teaching Assistant Climatology. Engineering and Water Resources Department, National University of the Litoral, Argentina.
- 1994 - 1995** Environmental and Sanitation Inspector. Environmental State Laboratory, Entre Rios State, Argentina.

Honors, Grants and Fellowships

- 2004-2007** Graduate College Registration Fee Fellowship
- 2006** ISPE (Institute for the Study of Planet Earth) Fellowship. The University of Arizona.
- 2005** EPA Border 2012 Grant to Water for People Arizona Chapter (49,000)
- 2004** Arizona Hydrological Society Fellowship.
- 2004** The University of Arizona Graduate College Fellowship.
- 2003** American Meteorological Society travel student grant.
- 2001** Gold Medal Best GPA of the Engineering and Water Resources Department, National University of the Litoral, Argentina.
- 2001** CONICET (Consejo Nacional de Investigaciones Cientificas y Tecnologicas) Doctoral Fellowship, Argentina.
- 2000** AECI (Spanish Agency of International Cooperación) Fellowship, Universitat de Lleida (Spain).
- 1997** Initiation to Teaching (Advanced Level) Fellowship. National University of the Litoral, Argentina
- 1996-1997** Initiation in the investigation for undergraduate students Fellowship. National University of the Litoral, Argentina
- 1995** Introduction to Teaching Fellowship. National University of the Litoral, Argentina.

Journal Articles

Demaria E, B Nijssen and T. Wagener. Monte Carlo Sensitivity Analysis of a Land Surface Scheme, *Journal of Geophysical Research Atmosphere*, in press.

Conference Presentations

Demaria E, (2006). Impact of Errors in the Global Precipitation Measurement Mission on Flood Forecasting. 16th El Dia del Agua Conference, Dept. of Hydrology and Water Resources, March 2, 2006.

Demaria E, B Nijssen and T. Wagener (2005). Monte Carlo Sensitivity Analysis of a Land Surface Scheme. VIIth IAHS Scientific Assembly, Fox de Iguacu, Brazil. 3-9th April 2005.

Demaria Eleonora and Julia Nogues-Paegle (2003). An Observational Evaluation of Grided Data Analyses Over South. CLIVAR Pan American Workshop, September 16-18, 2003. Boulder Colorado.

Demaria Eleonora, Ghiotto M., Garcia N. (2001). Spatial y Temporal Evolution of Precipitation patterns in the Uruguay Basin. IX Congreso Latinoamericano e Iberico de Meteorologia. 2001 Buenos Aires, Argentina

Demaria Eleonora M. C., García N. O.(1999)."Interannual and Interdecadic Climatic Variability in Rio Iguazu basin. 15th Conference on Hydrology - American Meteorological Society 9-14 enero 2000, Long Beach - USA.

Volunteer Experiences

I have been the President of Water for People-HWR Student Chapter for the last two years. The group is carrying out a water and sanitation project in a small Mexican community south of the US border. As the President I have been in charge of the coordination of trips, organization of monthly meetings and related logistic tasks. I have acted as translator in Mexico-US Border conference in Environmental Issues in May 2005. I am also an active member of Engineers Without Borders Student Chapter at the University of Arizona. During my undergraduate in Argentina, I was involved in several student groups involved in sanitation projects with different indigenous communities. Recently in the summer of 2006, I was a volunteer for a project in the Mathare Slum in Nairobi aiming to alleviate educational, health and nutritional deficiencies of school students who are mainly AIDS orphans.

Travel Experiences

I enjoy traveling both for leisure and for work. I have traveled intensively in my home country Argentina and in border countries, Paraguay, Brazil, Bolivia, Chile and Uruguay. As an undergraduate I spent two months as an exchange student at the University of Lleida in Spain in 2000. Afterwards I traveled for several European countries for one month. For my Master's thesis I spent two months in Bolivia as a member of a multinational Field Experiment designed to help understanding the transport of moisture from the Atlantic Ocean to the south of South America. More recently in summer 2006, I spent three months in Nairobi Kenya working on a Rain Water Harvesting Project implemented by the United Nations Environment Programme. During that period of time I had the opportunity of travel in Kenya and Tanzania for leisure as well as to visit several Masai communities involved in the project. Additionally, I made monthly trips to the Mexican community with the group of Water for People and I travel in the United States for hiking and camping trips.