

Camille Risi

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(updated in November 2014)

Research experience

2011-today : Research Scientist at the Laboratoire de Météorologie Dynamique (LMD), Paris,

2010-2011 : Post-doc at the University of Colorado at Boulder, USA, advised by David Noone

2006-2009: PhD student at LMD, advised by Sandrine Bony and Jean Jouzel, on «Les isotopes stables de l'eau : applications à l'étude du cycle de l'eau et des variations du climat ».

2006: 5-month Master internship at LMD, advised by Sandrine Bony, on water stable isotopes.

2004: 6-month « Maîtrise » internship at the Massachusetts Institute of Technology, advised by Kerry Emanuel, on tropical cyclones.

2003: 5-week « Licence » internship at LMD, advised by Frédéric Hourdin

Advising students and post-docs :

- 1 advised post-doc
- 3 co-advised post-docs
- 1 co-advised graduate student
- 8 advised undergraduate students
- 2 co-advised graduate students

Various responsibilities :

- reviewing papers in science journals: 34 papers including in Nature, JGR, GRL...
- reviewer projects (4): NSF, ANR, INSU, ECOU-Sud
- PhD thesis jury: Max Bollot (2013)
- 2013-présent: membre de la MJO task Force
- 2012-present: member of the editorial board of the journal "La Météorologie"
- 2011-present: responsible for asking computational resources, project 0292.

Publications:

47 publications in peer-reviewed rank A journals; 3 examples of publications:

- Risi, C., et al., 2012. Process-evaluation of tropospheric humidity simulated by general circulation models using water vapor isotopologues. Part 2: Using isotopic diagnostics to understand the mid and upper tropospheric moist bias in the tropics and subtropics, *J. Geophys. Res.*
C. Risi, S. Bony, F. Vimeux and J. Jouzel, 2010, Water stable isotopes in the LMDZ4 General Circulation Model: model evaluation for present day and past climates and applications to climatic interpretation of tropical isotopic records, *J. Geophys. Res.*
- C. Risi, S. Bony and F. Vimeux, 2008, Influence of convective processes on the isotopic composition ($\delta^{18}\text{O}$ and δD) of precipitation and water vapor in the tropics: 2. Physical interpretation of the amount effect, *J. Geophys. Res.*

Teaching experience

2013 : substituting a colleague for a climate course in Ecole Polytechnique Féminine

2005-2012 : Training of students preparing the « Agrégation » and « CAPES » (competitive exams for posts in the teaching staff of middle, high schools and Universities) of Biology-Geology.

2006-2009: Teaching at the Pierre et Marie Curie University (Paris 6)

- **2007-2008 and 2008-2009**: Physics to 1st-year University students;
- **2006-2007**: Earth Sciences to 1st-year University students;

Educational activities experience

2007-today : Various conferences in primary, middle and high schools.

2006-today: Yearly participation in Science festivals at the LMD and for the Forum International de la Météo.

2006-2009: Development of an educational climate simulation software aimed at high school students; tests in high schools in the Paris region.

2006-2007: Participation in the creation of educational activities on volcanoes (2007) and climate change (2006) in the Ecole Normale Supérieure Science festival in Paris.

Education

2005-2006 : Master «Ocean, Atmosphere, Climate and Remote Sensing» at the Pierre et Marie Curie University (Paris 6)

2004-2005 : Preparation of the «Agrégation» (competitive exam for posts in the teaching staff of french high schools and Universities) of Biology-Geology; accepted 4th.

2003-2004 : «Maîtrise» of Earth Sciences at the Ecole Normale Supérieure (ENS) of Paris.

2002-2003 : «Licence» of Earth Sciences at the ENS.

2000-2002 : «Classes préparatoires» (preparation of entrance exams to the ENS and engineer schools) of Biology, Geology, Physics and Chemistry in Paris; accepted at the ENS of Paris.

2000: high school diploma.