

PERSONAL INFORMATION

Sandro Calmanti

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Sex Male | Date of birth 20/07/1973 | Nationality Italian

WORK EXPERIENCE

01/07/2009–Present

Staff Researcher

ENEA, Italian National Agency for New Technologies Energy and Sustainable Economic Developments, Rome (Italy)

- Maintenance and validation of regional climate Responsible of Service Agreements with the United Nations World Food Programme on:
 - development of drought early warning system for Ethiopia
 - use of climate model data for projections of future food security conditions in Africa
- Work Package Leader in IMPACT2C (Case study on vulnerable areas in Africa)

01/10/2012–01/03/2013

Evaluator

ANVUR, National Agency for the Assessment of the Research System and the University, Roma (Italy)

- Evaluation of research products

01/10/2009–31/12/2012

Consultant

World Bank

- Implementation of a platform for interactive index based contracts design and pricing
- Insurance contract Design for Weather Index Insurance in Kenya
- Preparation of educational material on Weather Index Insurance adopted in several trainings Africa. Trainings delivered in Ghana and Mozambique
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01/08/2008–30/06/2009

Short Term Consultant

United Nations World Food Programme, Rome (Italy)

- Pilot Weather Index Insurance in China and Ethiopia
- Analysis of weather data
- Field surveys in rural areas in China and Ethiopia
- Design of innovative methodology for quantification of drought impact in rural Africa (Ethiopia)

01/01/2009–31/01/2009

Consultant

Planète Garantie, Paris (France)

- Pre-feasibility study for weather index insurance for cotton in Mali
- Field surveys in rural areas in Mali
- Analysis of climate/crop data and risk profiling

01/03/2008–31/12/2008

Post-Doc

Météofrance, Toulouse (France)

Implementation of a coupled ocean-atmosphere regional model for the Mediterranean

01/09/2003–28/02/2008

Post-Doc

ENEA, Italian National Agency for New Technology Energy and Environment, Rome (Italy)

- Numerical modelling of the circulation of the global ocean
- Analysis of atmospheric circulation regimes in climate models
- Implementation of a coupled ocean-atmosphere regional climate model for the Mediterranean

EDUCATION AND TRAINING

01/01/2001–15/05/2004

Ph.D.

University of Genova, Department of Environmental Engineering, Genova (Italy)

Thesis defended on "*Effects of the Mediterranean Outflow on the Meridional Overtuning Circulation of the North Atlantic. From Box-Model to GCM's.*"

01/10/1993–15/07/1999

Laurea Degree

University of Rome, La Sapienza, Rome (Italy)

Physics. Thesis defended on "*Theory of the thermohaline circulation*", a study on the stability of the large scale ocean circulation and its impact on the climate system. Vote 110/110**ADDITIONAL INFORMATION**

Projects

- EU-FP7
 - CLIM-RUN - Climate Local Information in the Mediterranean region Responding to User Needs: Climate modelling, stakeholder interactions
 - IMPACT2C - Quantifying Projected Impacts under 2°C warming: Climate and impact modelling, Work package coordination
 - EUPORIAS - European Provision Of Regional Impacts Assessments on Seasonal and Decadal Timescales: Climate and Impact Modelling
 - SPECS - Seasonal-to-decadal climate Prediction for the improvement of European Climate Services: Climate Modelling
- EU-FP6
 - AMMA - African Monsoon Multidisciplinary Analysis: Analysis of climate data
 - CIRCE - Climate Change and Impact Research: the Mediterranean Environment: Climate model development, production of climate scenarios