

Oscar Chimborazo

Curriculum Vitae

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Educational Background

- 2018 **Ph.D., Atmospheric Science**, *University at Albany, State University of New York, Albany, USA.*
Dissertation title: “*Projected Changes in Climate, Elevation-Dependent Warming, and Extreme Events over Continental Ecuador for the Period 2041–2070*”
Tutor: Prof. Mathias Vuille
- 2003 **Physicist**, *Escuela Politécnica Nacional, Quito, Ecuador, Thesis:*
“Formulation of a Non-Linear Dynamical Model Applied to the Evolution of a Spherical Symmetry Nebular System”.

Languages

Spanish Native
English Fluent

Computer skills

Operating systems GNU/Linux, Mac OS X, Windows.

Writing software, office suits L^AT_EX, TeXShop, Kile, TexnicCenter, WinEdt, Microsoft Office, Open Office, Libre Office, etc.

Programming languages Python, R, Matlab, Octave, Fortran, Java, C/C++, Bash Scripting, C-Shell.

Atmospheric science packages NCL, IDV, VAPOR, GRADS, CDO, NCO, Panoply

Interests

Research Climate change, Atmospheric Modeling.

Teaching Climate Physics, Climate and Weather Modeling, Statistical Analysis of Data, Physics, Mathematics, Chemistry, and Molecular Biology.

Reading Scientific divulgation, world history, adventure and science-fiction books.

Most Recent Courses and Workshops

2016

- ✓CMIP Analysis Platform Tutorial: workshop to learn how to use the platform for analyzing CMIP models on CISL's GLADE disk storage resources, August 16–18, 2016 at the NCAR Mesa Lab in Boulder, Colorado.

2015

- ✓NASA Summer School: Using Satellite Observations to Advance Climate Models, from August 31 to September 4, 2015 at the Keck Institute for Space Studies at Caltech in Pasadena, California.

Employment History

Sep/2019–
Present **Researcher-Teacher**, *Universidad Técnica de Ambato*, Ambato, Tungurahua, Ecuador.

Responsibilities: Teaching at the Civil Engineering career. Working in research projects related to climate simulations.

Julio/2019– **Teacher**, *Universidad Regional Amazónica IKIAM*, Tena, Napo, Ecuador.

Ago/2019 Responsibilities: Teaching Glaciology and Atmospheric Science at the Geoscience and Water Sciences careers.

Aug/2016– **Teaching assistant**, *Department of Atmospheric and Environmental Sciences (DAES), University at Albany, SUNY*, Albany, NY, USA.

May/2017 Responsibilities: TA for GEO 221 course during the fall 2016 semester, and TA for ENV 105 course during the spring 2017 semester.

Aug/2012– **Research assistant**, *The Research Foundation for The State University of New York*, Albany, NY, USA.

Aug/2016 Responsibilities: Graduate student tasks.

Nov/2008– **Researcher**, *Working Group on Modeling in the National Institute of Meteorology and Hydrology "INAMHI"*, Gestión Meteorológica, INAMHI, Quito, Ecuador.

Jul/2012 Responsibilities: Implementation of the mesoscale numerical models for weather forecasting, MM5 and WRF, creation of maps using climate change models, validation using the outputs of the models and real data from the network of stations located in different places in the country.

Jan/2006– **Systems analyst**, *Sokoloil S.A.*, Quito, Ecuador.

Jan/2007 Responsibilities: Coordinating and executing particular tasks in order to back up the technical information of Petroproducción, as part of the project "Technical Data Warehouse".

Aug/2005– **Printer technician**, *Compuhelp S.A.*, Quito, Ecuador.

Jan/2006 Responsibilities: Diagnosing, replacing parts and fixing systems such as computers and printers.

Nov/2004– **Specialist in managing data**, *Petroproducción*, Quito, Ecuador.

Mar/2005 Responsibilities: Support in managing technical data.

Nov/2003– **Programmer**, *Escuela Politécnica Nacional*, Quito, Ecuador.

Mar/2004 Responsibilities: Research and development of new software with educational content.