

FRANCIELE SCHWANCK

Climate Change Institute
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PROFILE

Currently a researcher at the Climate Change Institute, acting on the following subjects: ice cores, environmental chemistry, aerosol, and climate variability.

AREAS OF EXPERTISE

- Environmental science
- Environmental chemistry
- Climate variability
- Project management
- Scientific communication
- Logistics management

EDUCATION

2005 - 2010 B.S. Geology	Federal University of Rio Grande do Sul/UFRGS	Brazil
2010 - 2012 M.S. Geochemistry	Federal University of Rio Grande do Sul/UFRGS	Brazil
2012 - 2016 Ph.D. Science	Federal University of Rio Grande do Sul/UFRGS	Brazil

EXPERIENCE

2017 - Recent Postdoc	Climate Change Institute/CCI	Orono, ME
▪		
2016 - 2017 Research	Centro Polar e Climático/CPC	Brazil
▪ Develop, coordinate, and implement projects on chemical and climate variability, mainly in Antarctica		
2010 - 2016 Research Assistant	Centro Polar e Climático/CPC	Brazil
▪ Collaborator on the team that implemented the Antarctic research laboratory in CPC		
▪ Responsible for executing projects in atmospheric chemistry		
2006 - 2009 Trainee	Geology Department/Federal University of Rio Grande do Sul	Brazil
▪ Assistant in the development and implementation of environmental projects on river water contamination and monitoring of radon concentrations in underground mines		

PUBLICATION LIST

- SCHWANCK, F.; SIMÕES, J. C.; HANDLEY, M. J.; MAYEWSKI, P. A.; AUGER, J. D.; BERNARDO, R. T.; AQUINO, F. E. A 125-year record of climate and chemistry variability at the Pine Island glacier ice divide, Antarctica. **The Cryosphere**, v. 11, p. 1537 – 1552. 2017.
- SCHWANCK, F.; SIMÕES, J. C.; HANDLEY, M.; MAYEWSKI, P. A.; BERNARDO, R. T.; AQUINO, F. E. Drilling, processing, and first results for Mount Johns ice core in West Antarctica Ice Sheet. **Brazilian Journal of Geology**, v. 46(1), p. 29 – 40. 2016.

- SCHWANCK, F.; SIMÕES, J. C.; HANDLEY, M.; MAYEWSKI, P. A.; BERNARDO, R. T.; AQUINO, F. E. Anomalously high Arsenic concentration in a West Antarctic ice core and its relationship to copper mining in Chile. **Atmospheric Environment**, v.125, p. 257-264, 2016.
- SCHWANCK, F.; SIMÕES, J. F.; HANDLEY, M. J.; CASASSA, G. Determinação de elementos-traço em testemunho de firn antártico usando ICP-MS. **Geochimica Brasiliensis**, v. 28, p. 97-107, 2014.

AWARDS AND GRANTS

- 2017: PAGES YSM Grant, PAGES - Past Global Changes
- 2016: Early Career Researcher Grant - IPICS, PAGES - Past Global Changes.
- 2013: ERCA Grant, International Geosphere-Biosphere Program Brazil - IGBP.
- 2012: IPICS Grant, IPICS First Open Science Conference.