

Evan J. Gowan, Ph.D.

Assembling and analyzing data to create stories about our world

EXPERIENCE

Postdoctoral Fellow

Kumamoto University, Kumamoto, Japan (2021-present)

- Developed and assembled a database of past sea level changes from over 1000 studies
- Designed and executed climate modelling experiments to investigate the causes of East Asian rainfall patterns
- Contributed to designing experiments to test the reliability of climate models
- Outreach activities to introduce climate science and solutions to the general public

Postdoctoral Researcher

Alfred Wegener Institute, Bremerhaven, Germany (2016-2021)

- Conducted extensive research on global ice sheets and sea level changes, including the design and execution of ice sheet modeling experiments and data integrations into a Geographic Information System (GIS)
- Supervised junior researchers and collaborated with colleagues to analyze climate data and publish multiple studies on past climate changes

Postdoctoral Researcher

Stockholm University, Stockholm, Sweden (2014-2015)

- Testing and development of an ice sheet model to evaluate fast flowing glaciers

Graduate Scholar

Australian National University, Canberra, Australia (2010-2014)

- Led the development of a new ice sheet modelling technique to evaluate the history of ice sheets in North America
- Compiled data related to sea level and landscape changes in western North America
- Contributed to outreach activities through scientific blogging

EDUCATION

- Ph.D. in Earth Sciences, Australian National University, Australia (2015)
- M.Sc. In Earth Sciences, University of Victoria, Canada (2008)
- B.Sc. (honours) in Geophysics, University of Manitoba, Canada (2005)

Skills

- Data curation
- Database design
- Scientific plotting and visualization
- Technical report writing
- Geographical information systems
- Model development
- Scientific modelling
- Literature reviews
- Public speaking and outreach
- Team management
- International collaboration

Programming languages

- Fortran
- Bash
- Python
- C++

Languages

- English (native speaker)
- Japanese (basic reading and comprehension)

Links

- **LinkedIn:**
www.linkedin.com/in/evanjamesgowan
- **Github:**
github.com/evangowan
- **Website:**
raisedbeaches.net
- **Google Scholar:**
scholar.google.com/citations?user=IMhyQ1EAAAAJ

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