

Curriculum vitae: Katharine Rosemary Hendry

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- Associate Professor, School of Earth Sciences University of Bristol (2017-)
- Lecturer, School of Earth Sciences, University of Bristol (2013-2017)
- Research lecturer, Cardiff University (2011-2013)
- Postdoctoral Scholar, Woods Hole Oceanographic Institution USA (2009-2011)
- Postdoctoral Research Associate, Oxford University (2008-2009)

Qualifications:

- Higher Education Funding Council for Wales (HEFCW) accredited Postgraduate Certificate in University Teaching and Learning (Distinction, Cardiff University, 2013)
- DPhil in Biogeochemistry (Hertford College, Oxford University 2008): Behaviour of Trace Metals in Sea-Ice Brine and Microalgae: Reconstructing the Antarctic Sea-Ice Environment
- MSci MA in Natural Sciences (Geological Sciences, 1st Class Honours, Queens' College, University of Cambridge 2004)

Selected Awards:

- European Association of Geochemistry (EAG) Houtermans Award (2016)
- Fellow of the Higher Education Academy (2013)
- Challenger Marine Geology Fellowship (2012)
- Antarctic Service Medal (2012)
- Harkness Prize, Venn Prize, and Wiltshire Prize, University of Cambridge (2002-4)
- Joshua King Prize, Queens' College, Cambridge (2004)
- Prizes in Natural Sciences, Queen' College, Cambridge (2001-2004)

Selected Research Grants as Principal Investigator:

- Royal Society Enhancement Award (2018-2021, £190k) "Biogeochemical cycling in subarctic fjords", and Royal Society University Research Fellowship renewal (2018-2021, £450k)
- University of Bristol International Strategic Grant (2018-2019, £2.5k) *for visit to Canadian High Arctic Research Station (CHARS) 2019*; PolicyBristol grant *for work with the UK Arctic Office* (2019-2020, £2k)
- Trans Antarctic Association Award (2018, £1.5k)
- Royal Society University Research Fellowship Renewal (2018-2021, £349k)
- Royal Society Enhancement Award Dec 2017 (£67k) "From the bottom up: The role of the seafloor in supplying nutrients to the oceans"
- European Research Council starter grant Nov 2015 (€2M) "ICY-LAB: Isotope Cycling in the Labrador Sea"
- Royal Society University Research Fellowship (2013, £450k) and first year grant (2014, £150k)
- Leverhulme Research Project grant (2013-2016, £75k)
- Marie Curie FP7 Career Integration Grant (2012-2016, €100k)
- Natural Environment Research Council New Investigator Grant (2012-2015, £40k)

Selected Research Grants as Co-Investigator:

- Leverhulme Research Project grant (2017-2021, £262k) "Sub-ice weathering: a missing link in the global silicon cycle?" (PI Wadham, Bristol)
- NERC Changing Arctic Ocean strategic science grant (2017-2021, approx. £600k to Bristol) "The Changing Arctic Ocean Seafloor (ChAOS)" (Lead PI März, Leeds)
- Co-Investigator on NERC-Conicyt grant (2016-2019, approx. £680k) "PISCES: Patagonian Ice field Shrinkage impacts on Coastal and fjord Ecosystems"
- Co-Investigator on ERC H2020 consortium grant (2016-2019, in the theme "Blue Growth: Unlocking the Potential of Seas and Oceans"; approx. £91k to Bristol) "SpongGES: Deep-sea Sponge Grounds Ecosystems of the North Atlantic" (Lead PI Rapp, Bergen)

- Co-Principal Investigator on NERC Standard Grant (2015-2018, £180k to Bristol) “Impact of Oceanic warming on the West Antarctic Ice Sheet since the Last Glacial Maximum” (Lead PI Smith, BAS)

Other Activities:

- Extensive fieldwork experience in the Arctic and Antarctic
- Committee member of the UK Marine Facilities Advisory Board
- Vice chair of UK Challenger Society working group on biogeochemistry (AMBIO)
- Editorial activities (e.g. *Frontiers in Earth Sciences*, *Phil. Trans. Royal Soc.*)
- Treasurer of Antarctic Science Ltd and Antarctic Science International Bursaries
- Previous member of the UK Arctic and Antarctic Partnership
- Member of Young Academy of Europe
- Member of UK National Committee on Antarctic research (UKNCAR)
- Co-chair of Southern Ocean Observing System (SOOS) working group
- Engagement with UK-Canada workshops via NERC and POLAR (e.g. ArcticNet 2018)
- Regular outreach and education talks; Policy engagement via PolicyBristol/UK Arctic Office
- Regular invited talks and session chairing at international institutions and conferences
- Undergraduate teaching, Masters and PhD student supervision

Selected recent publications (all peer-reviewed):

Full publication list available at: <http://www.bristol.ac.uk/earthsciences/people/kate-r-hendry/publications.html>

1. Ng, H-C., Cassarino, L.C., Pickering, R.A., Woodward, E.M.S., **Hendry, K.R.** (2020) Sediment efflux of silicon off coastal Greenland and implications for the marine silicon cycle. *Earth Planet. Sci. Letters*. 529, 115877.
2. **Hendry, K.R.** et al. (2019) Tracing the biogeochemical pathway of glacial meltwater from Southwest Greenland. *Progress in Oceanography*. 102126.
3. Hatton, J. E., **Hendry, K. R.**, et al. (2019) A Review of Silicon Isotopes in Arctic and sub-Arctic Glacial Meltwaters, considering Silicon Cycling and the Subglacial Environment. *Proc. Royal Soc. A*. 475(2228), 20190098.
4. Newman, L.... **Hendry, K.R.**... et al. (2019) Delivering sustained, coordinated and integrated observations of the Southern Ocean for global impact. *Frontiers Mar. Sci.* 6, 433.
5. Henley, S., Schofield, O.M., **Hendry, K.**, et al. (2019) Variability and change in the west Antarctic Peninsula marine system: research priorities and opportunities, *Progress in Oceanography*. 173 (2019): 208-237.
6. **Hendry, K.R.**, Cassarino, L., Bates, S., et al. (2019) Silicon isotopic systematics of deep-sea sponge grounds in the North Atlantic. *Quaternary Science Reviews*.
7. Hatton, J.R., **Hendry, K.R.**, et al. (2019) Investigation of subglacial weathering under Greenland Ice Sheet using silicon isotopes. *Geochim. Cosmochim. Acta*. 247, 191-206.
8. Hawkings, J., Hatton, J., **Hendry, K.R.**, Wadham, J. et al., The global silicon cycle impacted by past ice sheets (2018) *Nature Comms*.
9. **Hendry, K.R.**, Pyle, K.M., Butler, G.B., et al. (2018) Spatiotemporal variability of barium in Arctic sea-ice and seawater, *JGR Oceans*. 123(5), 3507-3522.
10. Cassarino, L., **Hendry, K. R.**, Meredith, M. P., et al. (2017) Silicon isotope and silicic acid uptake in surface waters of Marguerite Bay, West Antarctic Peninsula. *Deep Sea Res. II*, 139, 143-150.
11. Pyle, K. M., **Hendry, K. R.**, Sherrell, R. M., et al. (2017) Coastal barium cycling at the West Antarctic Peninsula. *Deep Sea Res. II*, 139, 120-131.
12. Bates, S. L., **Hendry, K. R.**, et al. (2017) Barium isotopes reveal role of ocean circulation on barium cycling in the Atlantic. *Geochim. Cosmochim. Acta.*, 204, 286-299.
13. Hawkings, J. R., Wadham, J. L., Benning, L. G., **Hendry, K. R.**,... & Raiswell, R. (2017) Ice sheets as a missing source of silica to the polar oceans. *Nature Comms*, 8, 14198.
14. Welsby, H.J., **Hendry, K. R.** & Perkins, R. (2016) The role of benthic biofilm production in the mediation of silicon cycling in the Severn Estuary, UK. *Est., Coast. Shelf Sci.*, 176, 124-134.