












# Laurence Dyke

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## Education and Employment

Present		Expedition Guide and Lecturer. Oceanwide Expeditions.
Oct. 2017		Postdoctoral Researcher. The Geological Survey of Denmark and Greenland (GEUS).
May. 2015		Postdoctoral Researcher. Swansea University.
Nov. 2014		PhD: Palaeoglaciology and Quaternary Science.
Sep. 2010		Videography Intern. 196 Productions.
Jul. 2010		Project Assistant. Low Carbon Cornwall (Cornwall Development Company).
May 2010		Partner and co-founder. Trevilla Garden Services.
Jan. 2009		BSc (1 <sup>st</sup> class honours): Physical Geography.
Sep. 2005		A levels. Geography, Environmental Science, Art, and German.
Sep. 2002		

## Skills and Experience

I am an earth scientist with a passion for geography and geology. My primary skills include the acquisition, analysis, and presentation of geospatial and environmental data. I have excellent scientific and report writing skills; I have published several scientific articles and have co-authored many more. I am a skilled communicator, I have presented scientific research at national and international conferences. I also have experience in presenting science to public audiences, this has included: guiding, popular science articles, presentations, social media engagement, and the production of science outreach videos.

I have strong IT skills. I am highly-proficient at analysing remote sensing and GIS data; I have expertise working with ESRI ArcMap, ArcScene, and QGIS. I have substantial experience in the visualisation, design, and illustration of scientific data; this includes Adobe Illustrator, Photoshop, and Premiere Pro. I routinely work with the Microsoft Office suite and L<sup>A</sup>T<sub>E</sub>X typesetting.

I hold a full, clean driving license. In addition to English (mother tongue), I speak basic German and intermediate Danish.

## Teaching and Lecturing

I have taught as both a postgraduate demonstrator and a guest lecturer in Geography at Swansea University. I taught on modules in; Geographical Methods, Climate Science and Policy, Environmental Research Methods, Data Analysis, and Practical Fieldwork.

I also have substantial experience lecturing on Expedition Cruises in Polar regions. I routinely lecture in Glaciology, Landscape, Advances in Arctic Science, and Mapping and Cartography.

# Training and Courses

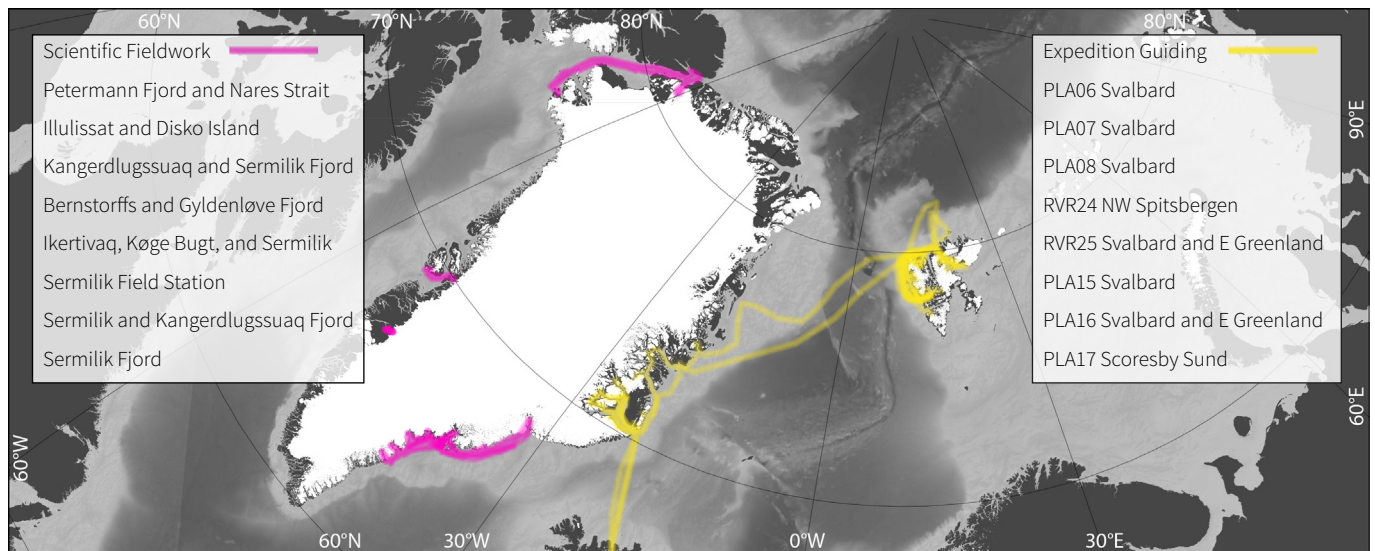
## Practical

- AECO Field Staff Training, Online (2018).
- STCW Personal Survival Techniques, Nyborg, DK (2015) and Crowd Management, Online (2018).
- Arctic Safety and Fieldwork, UNIS, NO (2011). Rifle refresher course, Pole Position, NO (2018).

## Academic

- ACDC: The Dynamics of the Greenland Ice Sheet (4 ECTS), University of Bergen, NO (2014).
- Marine sediment core analysis, GEUS and Aarhus University, DK (2012).
- Cosmogenic isotope analysis, NERC CIAF, UK (2011, 2012, and 2014).
- Cosmogenic isotope analysis, Paleoclimate Laboratory, University at Buffalo, USA (2011).
- Glaciology (10 ECTS), The University Centre in Svalbard, NO (2011).

# Scientific Fieldwork and Expedition Guiding



# Publications

## Peer-reviewed articles:

- Dyke, L. M. *et al.* (2018) The deglaciation of coastal areas of southeast Greenland. *The Holocene* **28**(9): 1535–1544.
- Wangner, D. J. *et al.* (2018) A 2000-year record of ocean influence on Jakobshavn [...]. *The Holocene* **28**(11): 1731–1744.
- Dyke, L. M. *et al.* (2017) Minimal Holocene retreat of large tidewater glaciers in [...]. *Scientific Reports* **7**(12018): 1–10.
- Andresen, C. S. *et al.* (2017) Exceptional 20<sup>th</sup> century glaciological regime of a [...]. *Scientific Reports* **7**(13626): 1–8.
- Murray, T. *et al.* (2015) Extensive retreat of Greenland [...]. *Arctic, Antarctic, and Alpine Research* **47**(3): 427–447.
- Dyke, L. M. *et al.* (2014) Evidence for the asynchronous retreat of large [...]. *Quaternary Science Reviews* **99**: 244–259.
- Andresen, C. S. *et al.* (2014) A 100-year record of changes in water renewal [...]. *Continental Shelf Research* **85**: 21–29.

## Monographs:

- Dyke L. M. (2014) The late-Quaternary glacial history of southeast Greenland. PhD thesis, *Swansea University*. 1–304.
- Dyke L. M. (2008) Weathering limits and periglacial trimlines in [...]. BSc dissertation, *Swansea University*. 1–44.

## Popular science publications:

- Andresen, C. S. and Dyke, L. M. (2017) Mud from the Greenlandic seabed reveals [...]. ScienceNordic, Copenhagen, DK.
- Dyke, L. M. and Murray, T. (2012) A GLIMPSE of Greenland's [...]. Planet Earth Magazine: Winter, NERC, Swindon, UK.
- Dyke, L. M. and Murray, T. (2012) GLIMPSE film première. Momentum: Issue 5, Swansea University, UK.

# Referees

Please email me for the contact details of referees.