

MAREK STIBAL

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- research scientist focussed on the microbial ecology and biogeochemistry of cryospheric ecosystems
- leader of the Cryosphere Ecology group (www.CryoEco.eu) at the Department of Ecology, Charles University in Prague
- leader of Arctic field work campaigns
- 31 papers in reviewed journals, h-index 15 (WoK)
- EUR ~1,200,000 (CZK ~31,000,000) attracted in grant money

Education

2005 – 2009: **PhD** (University of Bristol, UK)

2002 – 2004: **MSc** (University of South Bohemia, Czech Republic)

1998 – 2002: **BSc** in Biology (University of South Bohemia, Czech Republic)

Professional Experience

2015 – : **Scientist**, Charles University in Prague, Czech Republic

2012 – 2015: member of CENPERM (Center for Permafrost), a centre of excellence at the University of Copenhagen, Denmark

2011 – 2015: **Scientist**, Geological Survey of Denmark and Greenland, Copenhagen, Denmark

2008 – 2011: **Post-doctoral research assistant**, University of Bristol, UK

2005 – 2008: **Marie Curie research fellow**, University of Southampton, UK

2002 – 2005: **Research student/technician**, Institute of Botany, Czech Academy of Sciences, Třeboň, Czech Republic

Important publications

Stibal M. et al. (2015) Microbial abundance in surface ice on the Greenland Ice Sheet. *Frontiers in Microbiology* 6:225

Stibal M., Šabacká M., Žárský J. (2012) Biological processes on glacier and ice sheet surfaces. *Nature Geoscience* 5:771–774

Stibal M. et al. (2012) Methanogenic potential of Arctic and Antarctic subglacial environments with contrasting organic carbon sources. *Global Change Biology* 18:3332–3345

Wadham J.L., Arndt S., Tulaczyk S., **Stibal M. et al.** (2012) Potential methane reservoirs beneath Antarctica. *Nature* 488:633–637

Stibal M., Tranter M., Benning L.G., Řehák J. (2008) Microbial primary production on an Arctic glacier is insignificant in comparison with allochthonous organic carbon input. *Environmental Microbiology* 10:2172–2178

Teaching

- **Ecology of the Cryosphere** (Department of Ecology, Charles University in Prague)
- **Arctic Microbiology** (University Centre in Svalbard (UNIS), Longyearbyen, Svalbard; external lecturer)
- **Glaciers & Ecology** (Sogn og Fjordane University College, Sogndal, Norway; external lecturer)

Grants

Ecological Modelling of the Greenland Ice Sheet Surface Ecosystem. Marie Skłodowska-Curie Individual Fellowship; EUR 142,000; **2016-2017**

The bright future of subglacial ecosystems: Impacts of deglaciation on microbial activity and carbon cycling at glacier beds. Czech Science Foundation Junior Grant; CZK 12,000,000; **2015-2017**

Microbial community on the Greenland Ice Sheet as a possible factor affecting the physical behaviour of the ice sheet. Villum Foundation Young Investigator Programme Grant VKR023121; DKK 4,000,000; **2013-2015**

Productivity and carbon transformations on the Greenland Ice Sheet (ProGrIS). Marie Curie European Reintegration Grant (249171); EUR 30,000; **2010-2011**