

TARFALA
RESEARCH
STATION



Tarfala Research Station (TRS) is located at 1135 m asl in the Kebnekaise Mountains, northern Sweden, and is run by Stockholm University. TRS welcomes scientists from all disciplines to conduct research in a unique arctic-alpine environment.

TRS workshop November 18 - PROGRAM

09.30 - 10.15 Registration and fika

10.15 - 10.20 Welcome and Practicalities

10.20 - 10.35 TRS general overview and season 2022

10.35 - 10.55 Invited talk: **Jason E. Box, the Geological Survey of Denmark and Greenland:**
Novel glaciological approaches for glacier mass balance

10.55 - 11.50 Science talks

Rob Storrar, Sheffield Hallam University: Subglacial Hydrology Analysis using Repeat Drone Surveys (SHARDS).

Hannah Watts, Stockholm University: Using ground penetrating radar to investigate changes in the cold surface layer of Storglaciären

Lena Uldal Hansen, Lund University: Hydrological pathways in subglacial traction till

Joe Mallalieu, Manchester Metropolitan University: A record of proglacial lake thermal regime and terminus change in Arctic Sweden

11.50 – 13.00 Lunch

13.00 – 13.45 Science talks

Andrew Frampton, Stockholm University: Unravelling runoff generation processes along hillslopes in the Tarfala catchment by use of tracer injection experiments

Milan Horemuz, Royal Institute of Technology: Photogrammetric monitoring of glacier surfaces

Jeff La Frenierre, Gustavus Adolphus College: Using a UAV to survey Storglaciären: new approaches to estimating glacier mass balance

13.45 – 14.45 TRS External Advisory Group – round of presentations (all on Zoom)

Jon Moen, University of Umeå

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Tyrone Martinsson, Gothenburg University

Sara Mollie Cohen, University Centre in Svalbard

Bjarne Grønnnow, the National Museum of Denmark

Jason E. Box, the Geological Survey of Denmark and Greenland

Kari Anne Bråthen, UiT The Arctic University in Norway

Regine Hock, University of Oslo

14.45 – 15.15 Fika

15.15 – 15.55 Teaching opportunities at TRS

Julie Bryce, University of New Hampshire: ICE TALKS at TRS

Sven Lukas, Lund University: The present is the key to the past - teaching glacial geology at Storglaciären and Isfallsglaciären

Dieter Scherer, TU Berlin: From brain to heart: impressions from eleven student field excursions to Tarfala 1996-2022

Arjen Stroeven, Stockholm University: TBA

15.55 – 16.15 Student perspectives at TRS

Martin Houssais, Stockholm University: Glacier front monitoring at TRS

Linnea Huusko, Stockholm University: Challenges of environmental long-term observations in the Arctic: a case study

16.15 – 16.25 Wrap up

16.30 – 18.00 Mingle: drinks and snacks