

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.

Summer season at TRS in full swing

TRS staff arrived on July 3 for a pre-opening phase during which various activities were completed, ranging from training and refreshing glacier safety, first aid, and emergency routines, to facilitating installation of two new washing machines, which needed to be flown in by helicopter. Two field assistants and a kitchen chef arrived on July 16, and made a valuable addition to the permanent staff. Small groups of guest researchers have completed their stay and fieldwork at TRS, while others are to arrive in the next couple of days. Monitoring of and research on the glaciers, waters, weather, and landscape around TRS is well under way, but occasionally delayed by harsh weather, smhi.se/bloggar/vaderleken-2-3336/vindbyar-pa-40-1-m-s-i-tarfala-svenskt-julirekord-1.174052.



New TRS Board appointed

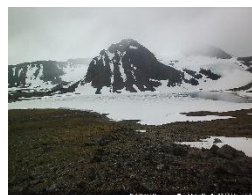
As of June 2021, TRS has a new Board, chaired by Prof. Martin Jakobsson (IGV, Stockholm University). Welcome all ordinary and reserve Board members!

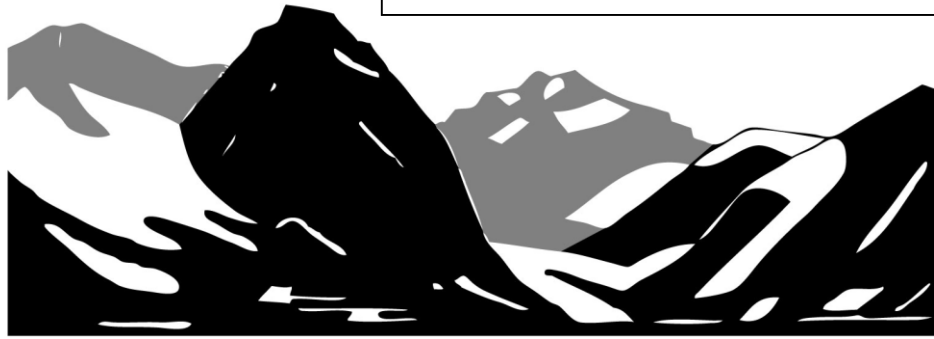
Two more Swedish glaciers monitored by TRS to become reference glaciers in WGMS

Currently, Storglaciären and Rabots Glaciär are listed as official reference glaciers by the World Glacier Monitoring Service (WGMS, wgms.ch/products_ref_glaciers). With the forthcoming Global Glacier Change Bulletin (GGCB) No 4, even Mårma Glacier and Riukojietna will fulfill the criteria for a reference glacier. An elege to all colleagues, whose many years of collective work on the mass balances of Mårma and Riukojietna is now rewarded, and what a motivation for us to continue along their lines!

Ice-off at Lake Tarfala

Ice-off at Lake Tarfala this year happened quick and earlier than in 2020, as captured on the pictures from July 12, 2020 (left) and July 12, 2021 (right, first ice free day in 2021), taken by our time lapse camera. Unfortunately,





the rapid ice loss destroyed a mooring comprising of a chain of temperature sensors in the central part of Lake Tarfala, that was installed in 2016 to continuously monitor changes in the lake water temperature (DOI: [10.1080/ 15230430.2021.1886577](https://doi.org/10.1080/15230430.2021.1886577)).

International and national collaboration

Congratulations to Profs. Julie Bryce (PI) and Ruth Varner (co-PI) from the University of New Hampshire, USA, for receiving NSF funding for the project “ICE TALKS - International Collaborative Experiences to Track Arctic LaKe Systems” (findscholars.unh.edu/display/grant535132). ICE TALKS supports US graduate and undergraduate students to carry out field work at TRS, but also at Finnish research stations Kilipsjärvi and Värrio, to which Tarfala is connected through Arctic Avenue; a spearhead research project between Helsinki University and Stockholm University.

Guest researchers from Lund University conducted field work at TRS during August 3-8, and left TRS with inspiration and ideas how to more intensely exploit the newly established collaboration between the Bolin Centre Climate Research School at Stockholm University, and the ClimBEco research school at Lund University (bolin.su.se/research-school). TRS staff is happy to support further planning and looks forward to welcoming you and your students back!

TRS homepage – Under construction

Starting in the autumn, the TRS homepage will undergo a substantial make-over.

From, and/or in relation to, the TRS archives

Swedish “Expressen” did a longer newspiece on Kebnekaise, Nikkaluokta, Tarfala and the climate crisis, and interviewed among other previous and current TRS directors Ninis Rosqvist and Nina Kirchner, expressen.se/nyheter/kebnekaise-sjunker-en-meter-varje-ar/



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