



# IPA Photography Contest 2023

## Winner:

**Geert Hensgens** (Vrije Universiteit Amsterdam, Netherlands)  
Measuring greenhouse gas fluxes at sunset, Churchill, MB, Canada. August 2022.



## Runners-up:

**Marjolaine Verret** (UNIS, Norway)  
No, it's not just mud! Bachelor students from UNIS  
drilling in ice-rich permafrost, Adventdalen, Svalbard.  
June 2022.



**Wilson (Wai-Yin) Cheung** (Queen's University, Canada)  
Collecting a water sample to study the microorganisms  
present in the water, Svalbard.



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## 2023 entries



**Anja Kade** (University of Alaska Fairbanks, USA)

Selfie collecting CO<sub>2</sub> fluxes in northern Alaska in -45°F.



**Andrea Securo** (CNR-ISP, Italy)

Downloading temperature data inside Leupa Ice cave (Sella Nevea, Italian Julian Alps). The current warming inside the cave led to abrupt changes from 2014 and melted the once-was inner cavity, from which this photo was taken.



**Andrea Securo** (CNR-ISP, Italy)

Ascending to Leupa ice cave on the Mount Canin massif (Sella Nevea, Italian Julian Alps) for the seasonal mass balance measurements. Despite the snow outside, this cave was still good for surveying as all the ice inside is formed from water percolation from the ceiling and no snow is found inside the cave during the year.



**Raul-David Șerban** (Eurac Research, Italy)

Checking the weather station in Mazia Valley, Eastern Italian Alps, part of the International Long Term Ecological Research (ILTER) network. September 2021.



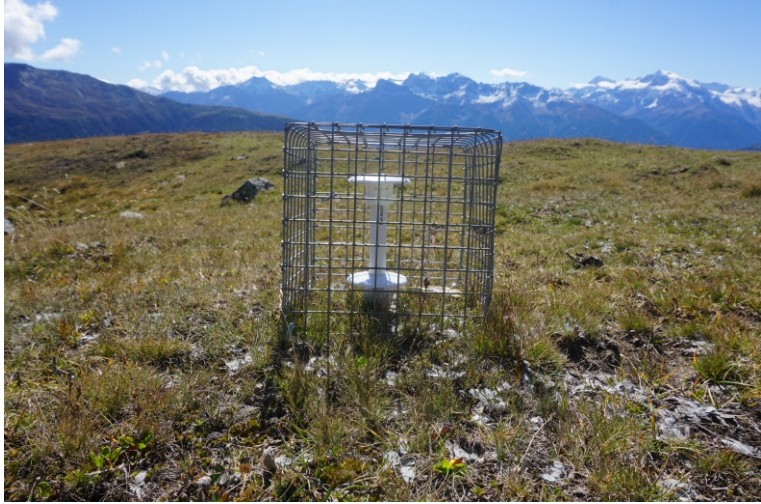
**Andrea Securo** (CNR-ISP, Italy)

Surveying ice deposits inside Vasto Ice Cave with a Terrestrial Laser Scanner. The cave is a perfect example of the effects of permafrost degradation and all the ice deposits inside have recently collapsed and are rich in debris.



**Raul-David Șerban** (Eurac Research, Italy)

Downloading soil temperature data from the Martell Valley, Stelvio National Park, with the glaciers of Mount Cevedale (3757 m.a.s.l.) in the background. June 2022.



**Raul-David Șerban** (Eurac Research, Italy)

The temperature data logger was in “lockdown” too, at least with a view. Mazia Valley, Eastern Italian Alps, with the Ortler Range (3905 m.a.s.l.) in the background. The air temperature is measured at a height of 15 cm and the soil temperature at 5 and 15 cm depth. September 2021.



**Geert Hensgens** (Vrije Universiteit Amsterdam, Netherlands)

Night measurements of greenhouse gas fluxes under the northern lights, Churchill, MB, Canada. August 2022.



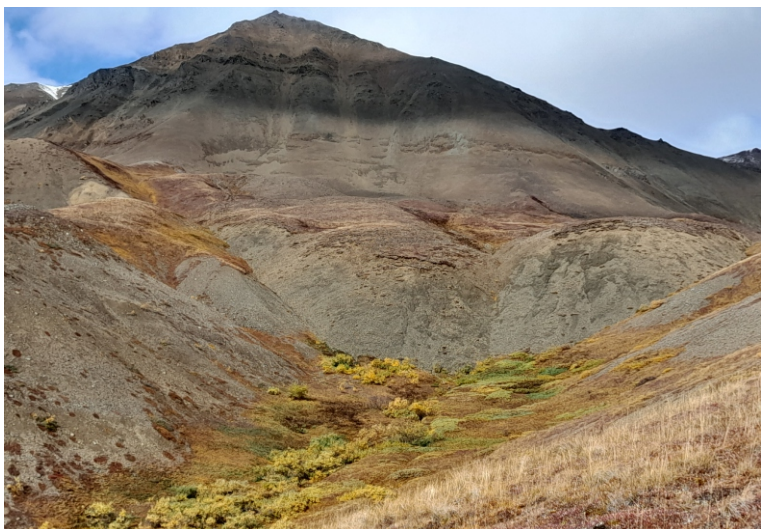
**Geert Hensgens** (Vrije Universiteit Amsterdam, Netherlands)

Measuring greenhouse gas fluxes at sunset, Churchill, MB, Canada. August 2022.



**Geert Hensgens** (Vrije Universiteit Amsterdam, Netherlands)

Sampling for water isotopes, dissolved CO<sub>2</sub>, methane and N<sub>2</sub>O on partially frozen lake Ramsey, Churchill, MB, Canada. June 2022.



**Kaytan Kelkar** (University of Alaska Fairbanks, USA)

A rock glacier near the Denali Park Road, Denali National Park, AK. September 2022.



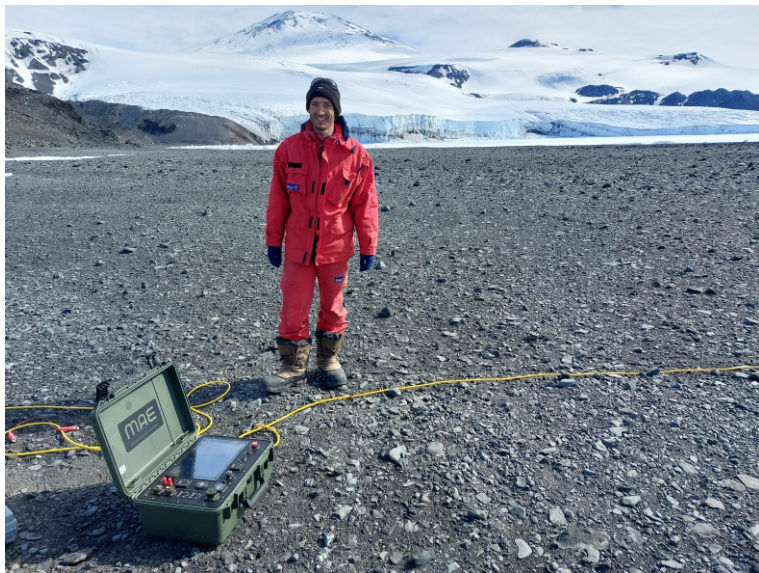
**Kaytan Kelkar** (University of Alaska Fairbanks, USA)

The view of the Alaska Range from one of my mountain permafrost monitoring sites, Denali National Park, AK. September 2022.



**Kaytan Kelkar** (University of Alaska Fairbanks, USA)

Mount Denali from Stony Hill Overlook, Denali National Park, AK. September 2022.



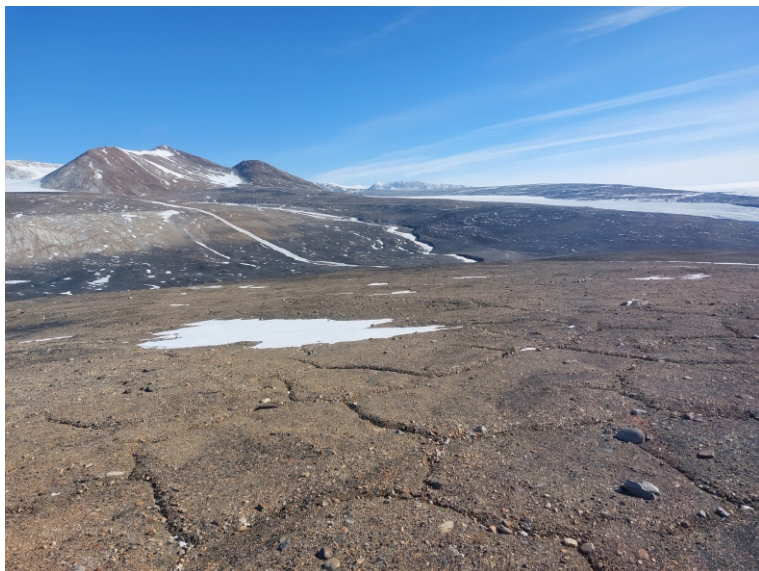
**Stefano Ponti** (Università degli studi dell'Insubria, Italy)

Edmonson Point (North Victoria Land, Antarctica). Electrical resistivity tomography sounding on a permafrost shoreline (Stefano Ponti pictured). December 2022.



**Stefano Ponti** (Università degli studi dell'Insubria, Italy)

Val Cedec (Italian Central Alps). Carrying the drone in periglacial environments. August 2022.



**Stefano Ponti** (Università degli studi dell'Insubria, Italy)

Cape Chocolate (Salmon Bay, Antarctica). Frost cracking survey in Continental Antarctica. November 2022.



**Andrey Abramov** (Russian Academy of Sciences, Russia)

Field camp at the summit caldera of Ushkovsky, Kamchatka. September 2022.



**Andrey Abramov** (Russian Academy of Sciences, Russia)

Karatash glacier, one of only two in the remote mountain ridge in Kuznetsky Alatau. September 2022.



**Andrey Abramov** (Russian Academy of Sciences, Russia)

The ice wedges of Pleistocene age near Tiksy, Laptev Sea area. August 2022.



**Nick Kozachuk** (Queen's University, Canada)

An arctic sunset as a reward after a long day of instrumentation, with newly installed thermosyphons in the foreground. Inuvik-Tuktoyaktuk Highway, NWT, Canada. October 2022.



**Nick Kozachuk** (Queen's University, Canada)

Installation of a piezometer in the not yet, but nearly frozen creek (Colin Cooper pictured). Inuvik-Tuktoyaktuk Highway, NWT, Canada. October 2022.



**Nick Kozachuk** (Queen's University, Canada)

Final touches at the end of a long day of field work (Nick Kozachuk pictured). Inuvik-Tuktoyaktuk Highway, NWT, Canada. October 2022.



**Andrés Tangarife-Escobar** (Max Planck Institute, Germany)

"The geometry of beauty", specimen of *Coltricia cinnamomea* re-populating the harsh soils of a boreal forest. Svarberget Research Station, Northern Sweden. August 2022.



**Andrés Tangarife-Escobar** (Max Planck Institute, Germany)

"Loyalty to the top of the world", even to the roof of the world, humans have not gone alone, this is a reminder of the long-lasting mutual relationship with other animal species. Langtang National Park (4700 m.a.s.l.) - Himalayan Mountains, Nepal. September 2022.



**Andrés Tangarife-Escobar** (Max Planck Institute, Germany)

"Records of a crumbling mountain range", the Gosaikunda lake, sacred for the Hinduist and Budhist people for thousands of years, is also the witness of the incessant power of erosion. Gosaikunda lake (4380 m.a.s.l.) - Himalayan Mountains, Langtang National Park, Nepal. September 2022.



**Fleur van Crimpen** (Vrije Universiteit Amsterdam, Netherlands)

Just a regular day in the field, rolling in a thaw slump to collect samples, Peninsula Point, Tuktoyaktuk, NT, Canada.



**Fleur van Crimpen** (Vrije Universiteit Amsterdam, Netherlands)

Stuck in a thaw slump at Peninsula Point, Tuktoyaktuk, NT, Canada (Deva-Lynn pictured).



**Fleur van Crimpen** (Vrije Universiteit Amsterdam, Netherlands)

Freshly exposed ice after a heavy day of rain and strong winds at Peninsula Point, Tuktoyaktuk, NT, Canada.



**Marjolaine Verret** (UNIS, Norway)

Periglacial playground. Bachelor students from UNIS observing patterned ground from a vantage point, Kapp Linné, Svalbard. June 2022.



**Marjolaine Verret** (UNIS, Norway)

No, it's not just mud! Bachelor students from UNIS drilling in ice-rich permafrost, Adventdalen, Svalbard. June 2022.



**Marjolaine Verret (UNIS, Norway)**

If we are lucky, they will still be standing next year. Installing new ground temperature monitoring stations in the Untersee Oasis, East Antarctica. December 2021.



**Simone Maria Stuenzi (AWI, Germany)**

Researchers on their way to a study site, Blaesedalen valley, Disko Island, Qeqertarsuaq, Greenland, carrying an Albedometer, a shovel to dig soil pits, an active layer probe, and many more instruments. September 2022.



**Joel Eklof (University of Washington, USA)**

Finding fieldwork help during a pandemic proved difficult. Luckily my newly retired dad was willing to brave the -20 °C temperatures and took over 1000 KGPS points at our site in Kenai Wildlife Refuge outside of Soldotna, AK! November 2021.



**Joel Eklof (University of Washington, USA)**

Return to the boreal forest. Taken in Bonanza Creek LTER west of Fairbanks, AK. August 2022.



**Lorene Lynn (Red Mountain Consulting, USA)**

Holding Permafrost for the First Time. During construction of the Heritage Tundra Garden in Utqiagvik, we held a number of community events.



**Simone Maria Stuenzi (AWI, Germany)**

Drone footage of researchers digging a soil pit, Blaesedalen valley, Disko Island, Qeqertarsuaq, Greenland. September 2022.



**Simone Maria Stuenzi (AWI, Germany)**

Drone footage (DJI Mini 4) of researchers working at a study site, Blaesedalen Valley, Disko Island, Qeqertarsuaq, Greenland. September 2022.



**Joel Eklof** (University of Washington, USA)

Finding fieldwork help during a pandemic proved difficult. Luckily my newly retired dad was willing to brave the -20 °C temperatures for some quality family time on the permafrost plateau making measurements with me!  
November 2021.



**Lorene Lynn** (Red Mountain Consulting, USA)

Saving the Earth literally harvesting tundra sod. Part of the rehabilitation of the fiber optic trenches, Dalton Highway between Coldfoot and Deadhorse, AK, USA.



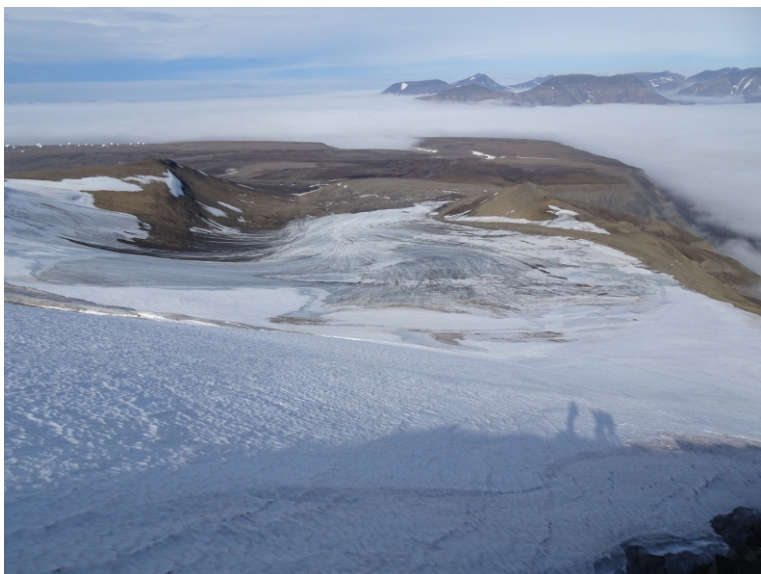
**Lorene Lynn** (Red Mountain Consulting, USA)

Getting muddy tundra rehabilitation of the fiber optic trenches, Dalton Highway between Coldfoot and Deadhorse, AK, USA.



**Tim Wiegand** (University of Wuerzburg, Germany)

Exploring the interior of periglacial landforms. Applied geophysics in the Muragl Valley, Switzerland. September 2022.



**Tim Wiegand** (University of Wuerzburg, Germany)

Ascent. Periglacial and Glacial Environment near Longyearbyen, Svalbard. July 2022.



**Wilson (Wai-Yin) Cheung** (Queen's University, Canada)

Investigation of the ice mass perched atop the volcano, Kamchatka.





**Wilson (Wai-Yin) Cheung** (Queen's University, Canada)

Collecting a water sample to study the microorganisms present in the water, Svalbard. This is a reminder of the resilience of science and the importance of data collection and research, even in the face of great adversity.



**Geoff Eichhorn** (Royal Military College, Canada)

Arch culvert over Gunghi Creek with thermosyphons, ITH, Canada.



**Geoff Eichhorn** (Royal Military College, Canada)

Gunghi Creek crossing of the ITH, Canada.



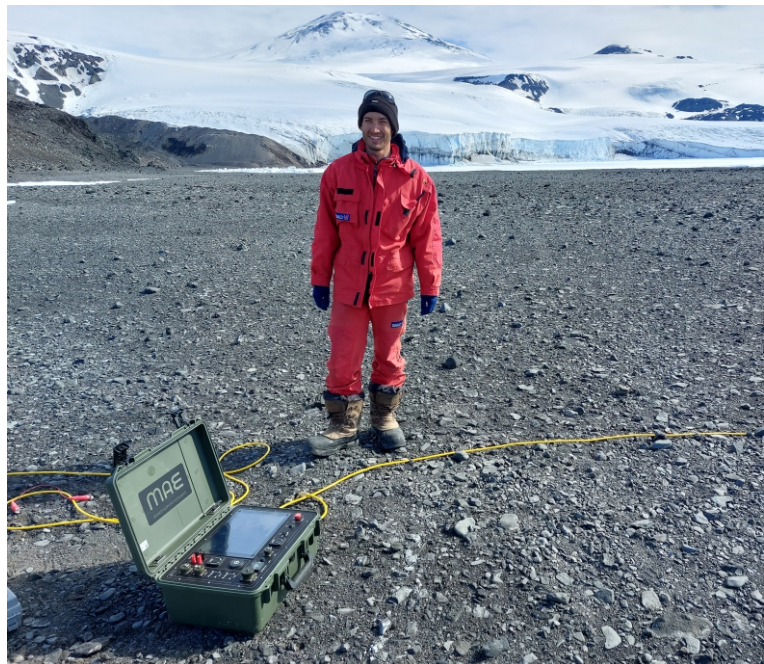
**Geoff Eichhorn** (Royal Military College, Canada)

Permafrost monitoring equipment at Gunghi Creek, ITH, Canada.



**Stefano Ponti** (Università degli studi dell'Insubria, Italy)

Frost cracking survey, Cape Chocolate, Salmon Bay, Antarctica. November 2022.



**Stefano Ponti** (Università degli studi dell'Insubria, Italy)

Electrical resistivity tomography sounding on a permafrost shoreline, Edmonson Point, North Victoria Land, Antarctica. December 2022.



**Stefano Ponti** (Università degli studi dell'Insubria, Italy)

Carrying the drone in periglacial environments. Val Cedec, Italian Central Alps. August 2022.



**Joel Eklof** (University of Washington, USA)

Surveying our transect lines at Slope Mountain, before being hit by severe wind gusts and rain! (pictured Rowan Biessel).



**Joel Eklof** (University of Washington, USA)

My first official PhD fieldwork day at Toolik Field Station after drilling in the tundra at Happy Valley.



**Lorene Lynn** (Red Mountain Consulting, USA)

Exploring a thaw slump next to the Dalton Highway (pictured Simon Zwiebeck and Go Iwahana).