



6th Snow Algae & Glacier Ice Algae Meeting

Grenoble, 24-25 Feb 2026

MACI (Maison de la Création et de l'Innovation)
339 Avenue Centrale, 38400 Saint-Martin-d'Hères
Université Grenoble Alpes
Information/registration: sagiam.grenoble.2026@gmail.com

Following the success of previous meetings, SAM has now evolved into SAGIAM, bringing together researchers from around the world working on snow and glacier ice algae. In the same spirit, no registration fee is requested (coffee, lunch breaks and Tuesday's dinner included) and we are delighted to welcome you once again to Université Grenoble Alpes. Please confirm your participation to Tuesday's evening at the Minnimistan restaurant, to help us controlling our expenses.

Session topics will follow the format of previous editions, fostering discussion, exchange, and collaboration. Colleagues investigating snow and ice algae in all their forms, and from any discipline, are warmly invited to present and share their research in an informal, workshop-like setting over these two full days.

The program includes oral presentations (15 min + 5 min for questions) and poster sessions covering all aspects of snow and ice microalgae. Coffee breaks and snacks are included in the registration. The scientific committee has made every effort to ensure a coherent and stimulating schedule.

SAGIAM is also a unique opportunity for early-career scientists to present their work in a stimulating and supportive environment.

The scientific committee includes Alberto Amato (LPCV Grenoble), Helen Feord (GFZ Potsdam, Germany), Trinity Hamilton (University of Minnesota, USA), Robin Kodner (Western Washington University, USA), and Eric Maréchal (LPCV Grenoble).

Bienvenue à Grenoble!

With support from:   



Tuesday, February 24th

08:30-09:30	Arrival / poster display
09:30-09:40	Welcome to SAGIAM2026
Session 1: Snow and ice algae through time and space: the old and the new Chair: <i>Daniel Remias</i>	
09:40-10:00	Two millennia of evolving perspectives on red snow: from a curious phenomenon to complex and dynamic microbial ecosystems Eric Maréchal
10:00-10:20	Archival red snow samples Pierre Guenzi-Tiberi
10:20-10:40	LIVING SNOW PROJECT: A decade of data Robin Kodner
10:40-11:00	COFFEE BREAK
Session 2: Systematics and Populations (part 1) Chair: <i>Robin Kodner</i>	
11:00-11:20	Highly endangered tropical glaciers in Colombia (South America) host supraglacial communities of microalgae at a “daytime climate” Daniel Remias
11:20-11:40	Unveiling genetic and morphological variation in snow algae communities at forested sites: Central Europe and north-eastern USA Lenka Procházková
11:40-12:00	A New <i>Chloromonas</i> Species from the Barton Peninsula (Antarctica) with Eurythermal Growth and Photoprotective Traits Sung-Mi Cho
12:00-13:30	LUNCH + Group photo
Session 2: Systematics and Populations (part 2) Chair: <i>Robin Kodner</i>	
13:30-13:50	Determining ploidy and clonality in <i>Chlainomonas</i> sp. via single cell genetics Xander Geragotelis
Session 3: Snow algae, friends and foes Chair: <i>Liane G. Benning</i>	
13:50-14:10	Horizontal gene transfer underlies the freezing tolerance of Antarctic bdelloid rotifers James Raymond
14:10-14:30	The Hidden Cleaner: <i>Phenoliferia psychrophenolica</i> in a Sea of Red Snow Blooms Jade Ezzedine
14:30-14:50	SNOWGIANTS: Exploring Giant Virus Diversity and Cold-Adapted Enzymes in Arctic and Alpine Snow Algae Zohaib Hassan
14:50-16:30	COFFEE BREAK + Poster session
Discussion forum Chair: <i>Helen Feord</i>	
16:30-17:30	Discussion forum on <ul style="list-style-type: none"> - community projects related to snow and ice algae (e.g. CASP-ICE, LSP), - collections, datasets, and repositories

18h30 we propose to gather at Minnimistan (<https://minimistan.org/cafe-bar-restaurant/>)

Wednesday, February 25th

09:00-09:30	Arrival / poster display
Session 4: Bloom monitoring and ecology Chair: <i>Trinity Hamilton</i>	
09:30-09:50	Below the timberline: tracking snow algal blooms in mountain forests Linda Nedbalová
09:50-10:10	Exploring Prokaryotic and Eukaryotic Diversity Among Snow Algal Communities in Montana and Wyoming Ashley Beck
10:10-10:30	High-resolution sampling reveals the spatial structure of a glacier algal bloom Chris Williamson
10:30-11:00	COFFEE BREAK
11:00-11:20	Remote sensing of algal blooms on snow and ice in the European Alps Léon Roussel
11:20-11:40	Elevation-dependent shifts in snow algae blooms influence biological albedo reduction in western U.S. mountains Pablo Almela
11:40-12:00	What fuels algae blooms: inorganic and organic biogeochemistry on the Greenland Ice Sheet Liane G. Benning
12:00-12:20	Habitat specific variability and response of active microbial communities on the north-western GrIS Emily Broadwell
12:20-13:30	LUNCH
Session 5: Physiology and function in extreme conditions Chair: <i>Alex Anesio</i>	
13:30-13:50	Snow algal responses to Lunar-like photoperiods and clinostat-simulated altered gravity: species-specific strategies Carla Ruiz-Gonzalez
13:50-14:10	Antarctic snow algal responses to temperature - potential implications of climate change Matt Davey
14:10-14:30	Glacier ice algae have a plant-like response to freezing stress Helen Feord
Session 6: Motility in the cold Chair: <i>Alberto Amato</i>	
14:30-14:50	Photogytrotactic concentration of swimming microalgae Otti Croze
14:50-15:10	The energetics of the motile cilium Adrian Nievergelt
15:10-16:00	COFFEE BREAK + Poster session
Discussion forum Chair: <i>Eric Maréchal</i>	
16:00-16:30	Discussion forum on <ul style="list-style-type: none"> - Next SAGIAM - Future topics in snow and ice algal research - Perspectives of collaborative projects, financing opportunities - Open discussion

Poster Session

1. **Burke, Rory**, LPCV, Grenoble, France
Cellular and Physiological Responses of Arctic Diatoms to Sea Ice Conditions
2. **de Vries, Caitlin**, Newcastle University, UK
The Environmental Biophysics of Microalgal Migration in Snow
3. **Detain, Alexandre**, Nord University, Norway
*Adaptive Responses of the Snow Alga *Raphidonema nivale* to High-Light Exposure*
4. **Fernández-Marín, Beatriz**, University of the Basque Country (UPV/EHU), Spain
Desiccation Stress Responses of Red Snow Algae Communities from Livingston Island (Maritime Antarctica)
5. **García-Plazaola, José Ignacio**, University of the Basque Country (UPV/EHU), Spain
Deciphering Photochemical Responses of Complex Algal Communities in Antarctic Snow Using a PAM Fluorescence Microscope
6. **Holzinger, Andreas**, University of Innsbruck, Austria
*Seasonal Variations in Metabolite and Transcript Profiles in the Streptophyte Green Alga *Zygonium ericetorum**
7. **Johnson, Ben**, University of Bristol, UK
GLASS: Glacier Algal Sampling Strategies
8. **Koritenská, Klára**, Charles University, Prague, Czech Republic
Snow Algal Blooms under Climate Change: Nearly 50 Years of Observations in the Krkonoše Mountains
9. **Krueger-Hadfield, Stacy**, Virginia Institute of Marine Science, Eastern Shore Laboratory, USA
Reproduction We Cannot See: Microbial Population Genetics
10. **Leroy-Basson, Gerhard**, University of the Basque Country (UPV/EHU), Spain
Physiological Responses to Multiple Abiotic Stressors of Snow Algae Communities at Livingston Island (Maritime Antarctica)
11. **McKenzie, Caroline**, Sorbonne Université, CQSB, Paris, France
Investigating Ice-Binding Proteins across the Phylogenetic, Biogeographical and Physiological Diversity of Cryophilic Algae
12. **Procházková, Lenka**, Charles University, Prague, Czech Republic
*Ecophysiology of Several New Species of *Hydrurus**
13. **Serbutoviez-Verville, Camille**, LPCV, Grenoble, France
To be Announced

List of Participants

Almela, Pablo

University of Minnesota, USA

Amato, Alberto

LPCV, Grenoble, France

Anesio, Alexandre

Aarhus University, Denmark

Beck, Ashley

Carroll College, Helena, MT, USA

Benning, Liane

GFZ Helmholtz Centre for Geosciences, Potsdam, Germany

Besson, Arnaud

Centre de Biologie Intégrative, CNRS Toulouse, France

Broadwell, Emily

Aarhus University, Denmark

Burke, Rory

LPCV, Grenoble, France

Cho, Sung Mi

Korea Polar Research Institute, South Korea

Croze, Ottavio

Newcastle University, UK

Davey, Matthew

Scottish Association for Marine Science, UK

de Vries, Caitlin

Newcastle University, UK

Detain, Alexandre

Nord University, Norway

Dorrell, Richard

Sorbonne Université, CQSB, Paris, France

Dumont, Marie

CNRM / Centre d'Études de la Neige, Grenoble, France

Ezzedine, Jade

LPCV, Grenoble, France

Falconet, Denis

LPCV, Grenoble, France

Feord, Helen

GFZ Helmholtz Centre for Geosciences, Potsdam, Germany

Fernández-Marín, Beatriz

University of the Basque Country (UPV/EHU), Spain

Garcia-Plazaola, José Ignacio

University of the Basque Country (UPV/EHU), Spain

Geragotelis, Xander

Virginia Institute of Marine Science, USA

Guenzi-Tibéri, Pierre

LPCV & LECA, Grenoble, France

Hamilton, Trinity

Virginia Institute of Marine Science, USA

Hassan, Zohaib

Nord University, Norway

Havig, Jeff

University of Minnesota, USA

Holzinger, Andreas

University of Innsbruck, Austria

Hulatt, Christopher

Nord University, Norway

Johnson, Ben

University of Bristol, UK

Jounneau Pierre-Henri

MEM, Grenoble, France

Kodner, Robin

Western Washington University, USA

Koritenská, Klára

Charles University, Prague, Czech Republic

Krueger-Hadfield, Stacy

Virginia Institute of Marine Science, Eastern Shore Laboratory, USA

Larose, Catherine

IGE, Grenoble, France

Lavergne, Sébastien

Université Grenoble Alpes, LECA, France

Leborgne-Castel, Nathalie

Université Bourgogne Europe, France

Leroy-Basson, Gerhard

University of the Basque Country (UPV/EHU), Spain

Leya, Thomas

Fraunhofer Institute for Cell Therapy and Immunology, Potsdam, Germany

Maréchal, Eric

LPCV, Grenoble, France

McKenzie, Caroline

Sorbonne Université, CQSB, Paris, France

Mulligan, Lucy

University of Bristol, UK

Nedbalová, Linda

Charles University, Prague, Czech Republic

Nievergelt, Adrian

Max Planck Institute of Molecular Plant Physiology, Golm, Germany

Procházková, Lenka

Charles University, Prague, Czech Republic

Ravanel, Stéphane

LPCV, Grenoble, France

Raymond, James

University of Nevada, Las Vegas, USA

Remias, Daniel

University of Salzburg, Austria

Roussel, Léon

CNRM / Centre d'Études de la Neige, Grenoble, France

Ruiz-Gonzalez, Carla

University of Edinburgh & Scottish Association for Marine Science, UK

Serbutoviez-Verville, Camille

LPCV, Grenoble, France

Si Larbi, Greg

LPCV, Grenoble, France

Suzuki, Hirono

Nord University & BIAM/CEA Cadarache, France

Tranter, Martyn

Aarhus University, Denmark

Villain, Gaëlle

LPCV, Grenoble, France

Williamson, Christopher

University of Bristol, UK

Tuesday, February 24th

18h30 we propose to gather at Minnimistan for a social event.

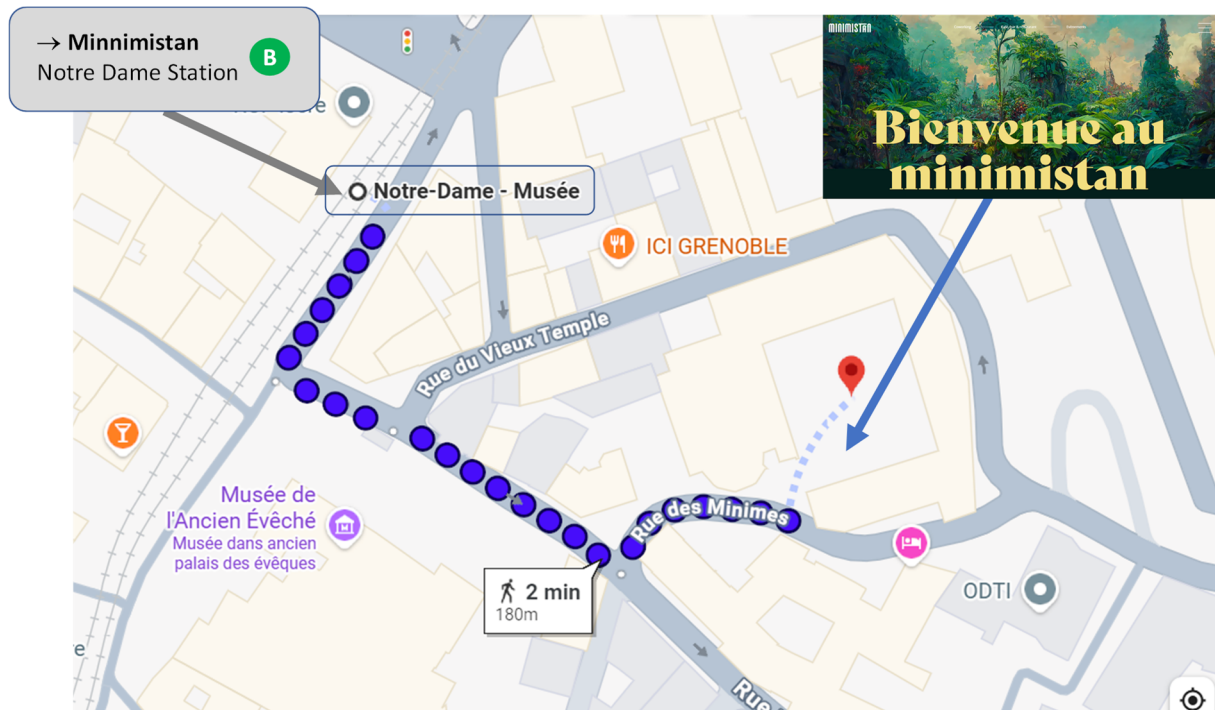
(<https://minimistan.org/cafe-bar-restaurant/>)

Rue des Minimes Cour Marcel Reymond, 38000 Grenoble

Please confirm your participation in advance, to help us controlling our expenses.

The buffet and two drinks are offered to registered participants.

Any additional drinks are at the attendee's expense.



Thursday, February 26th

We propose to organize a visit to the Exhibition “Rouge comme Neige” at the Museum of Natural History in Grenoble

Details can be found here (in French):

<https://www.grenoble.fr/1105-rouge-comme-neige.htm>

and here (in English):

<https://alpalga.fr/en/expo2025-2026/>

We hope you'll appreciate this local outreach initiative!

The entrance is free, and you can go there by yourself, but if you wish, we can organize two group visits on Feb 26th, one beginning at 9:15 AM and a second at 10:30

