

Division meeting Cryospheric Sciences

Carleen Tijm-Reijmer,
Nanna Karlsson, Daniel Farinotti,
Lu Zhou, Ann-Sofie Zinck
Isabel Nias, Stephen Brough

EGU GA | 18 April 2024



Meetings | Publications | Outreach | www.egu.eu

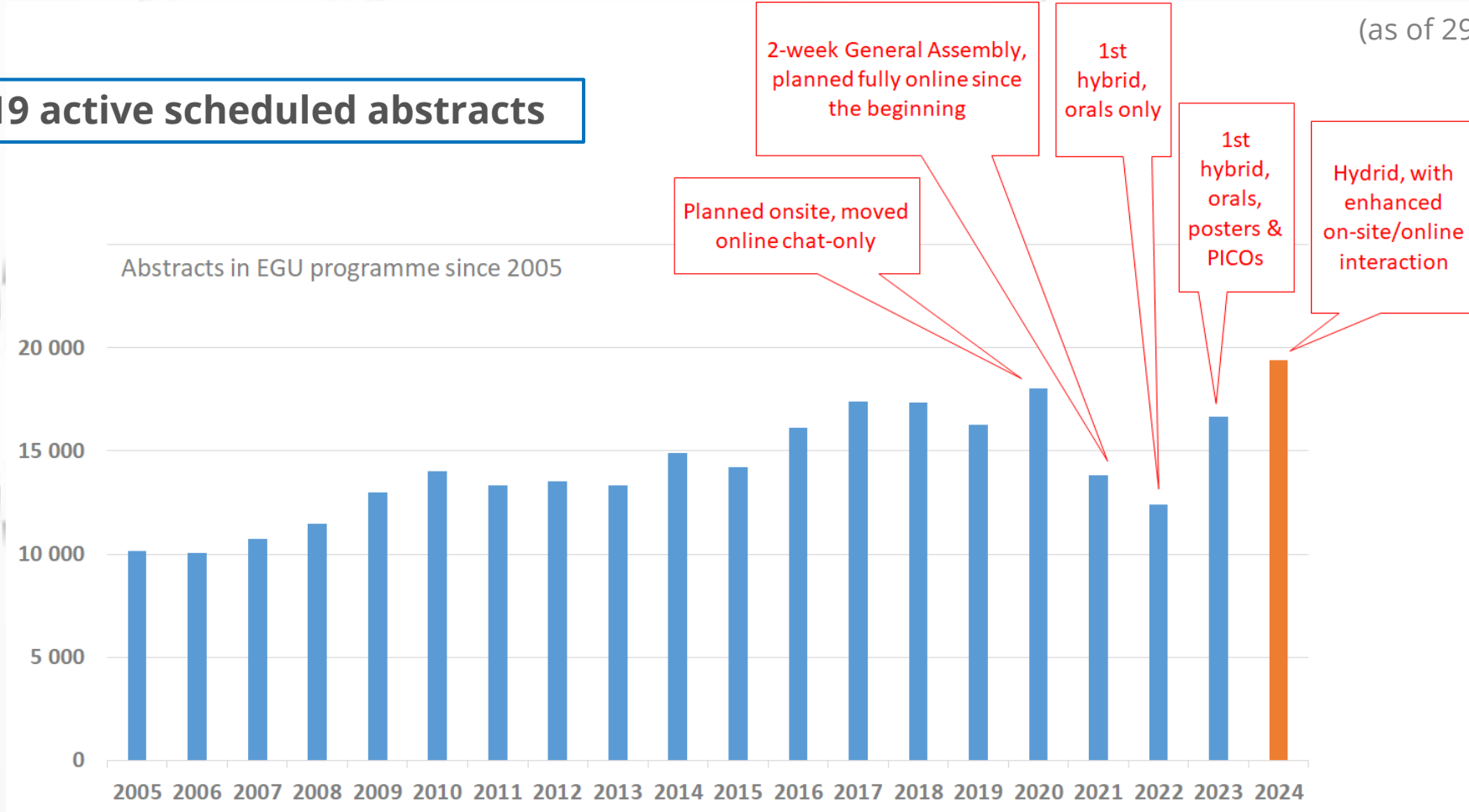
Agenda

- General Assembly meeting's statistics
- CR programme – current implementation
- Division Structure (president, officers)
- Early Career Scientists & Outreach
- Medals and Awards
- Publication: The Cryosphere
- AOB, general discussion and feedback

Abstracts in the programme

(as of 29 March 2024)

19,319 active scheduled abstracts



GA statistics

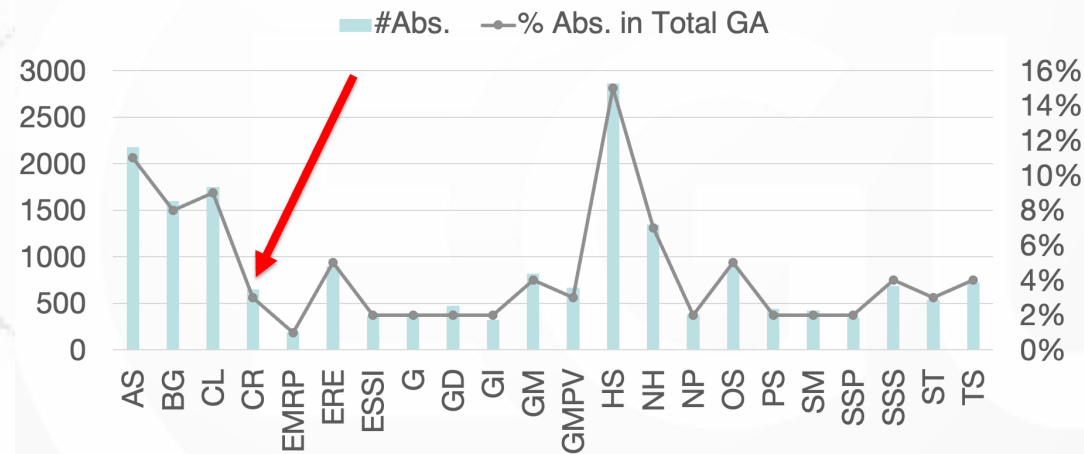
(as of 29 March 2024)

- 19,319 abstracts in programme I + 30% relative to 2022
- 1025 active sessions | 675 oral/poster/pico sessions | 61 Short Courses | 39 Medal and Award Lectures
- 152 Networking and Community Events (excluding pop-ups), Townhall Meetings, Side Events, Splinter Meetings
- 16746 paid registrations (~8% virtual, ~37% ECS)
- Still to come:
 - Union symposium on: *Bridging the scales: The Arctic methane and permafrost challenge*
 - Great Debate 6: *If informing is not enough, how should scientists engage to accelerate the social transformation required by climate change and biodiversity collapse?*
 - Great Debate 10: *Artificial Intelligence in scientific publishing: blessing or bane?*

CR statistics (CR org + CR co-org)

- 2024 (hybrid): 1208 abstracts ↑
CR org: 645 abstracts in 23 sessions → +38%
 35 blocks: **19 Abstracts/block**
- 2023 (hybrid): 929 abstracts -
CR org: 447 abstracts in 18 sessions → -4%
 30 blocks: **15 Abstracts/block**
- 2022 (hybrid): 925 abstracts ↓
CR org: 466 abstracts in 20 sessions → -12%
 41 blocks: **11-15 Abstracts/block**
- 2021, 2020
- 2019 (on site): 1206 abstracts ↑
CR org: 412 abstracts in 18 sessions → -17%
 20 oral blocks: **21 Abstracts/oral block**

Abstracts per Programme Group (PG)



Division Structure

Division president 2024

- **CR president:**
Carleen Tijm-Reijmer
- **Outgoing CR deputy president:**
Nanna Bjørnholt Karlsson

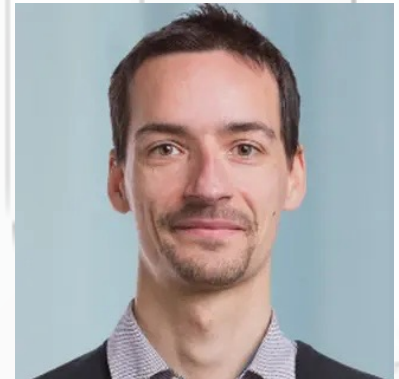


(cr@egu.eu)

Division Structure

Division president 2024

- **CR president:**
Carleen Tijm-Reijmer
- **Incoming CR deputy president, elected fall 2023:**
Daniel Farinotti
Division deputy president at GA 2024
Division president at GA 2025



(cr@egu.eu)

Division Structure

outgoing

| | | |
|---------------------|---------------------------|---|
| President/PG Chair: | Carleen Tijm-Reijmer | (2021-) |
| Deputy President: | Nanna Karlsson | (2021- 2024) |
| Medal Committee: | Martyn Tranter (Chair) | (2022 -) |
| | Julienne Stroeve | (2021 - 2024) |
| | Marie Dumont | (2021 - 2024) |
| | Regine Hock | (2023 -) |
| | Etienne Berthier | (2024 -) |
| OSPP Award Coord.: | Isabel Nias | (2020 - 2024) |
| | Stephen Brough | (2020 - 2024) |
| ECS Rep.: | Ann-Sofie Zinck / Lu Zhou | (2023 -) |
| Outreach: | Larissa van der Laan | (2023 -) |
| Publications: | Chris Derksen | (2023 -) (TC coordinating co-editor in chief) |

Division Structure

incoming

| | | |
|---------------------|---------------------------|---|
| President/PG Chair: | Carleen Tijm-Reijmer | (2021-) |
| Deputy President: | Daniel Farinotti | (2024 -) |
| Medal Committee: | Martyn Tranter (Chair) | (2022 -) |
| | Regine Hock | (2023 -) |
| | Etienne Berthier | (2024 -) |
| | Gwen Flowers | (2025 -) |
| | Ruzica Dadic | (2025 -) |
| OSPP Award Coord.: | Vacancy | (2025 -) |
| | Vacancy | (2025 -) |
| Policy: | Mary Cavitte | (2024 -) |
| ECS Rep.: | Ann-Sofie Zinck / Lu Zhou | (2023 -) |
| Outreach: | Larissa van der Laan | (2023 -) |
| Publications: | Chris Derksen | (2023 -) (TC coordinating co-editor in chief) |

Division Structure

outgoing

Science Officers:

| | | |
|--------------|--------------------|-----------------|
| Sea Ice: | Luisa von Albedyll | (2023-) |
| Permafrost: | ?? | (202?-) |
| Snow: | Nora Helbig | (2020-) |
| Glaciers: | Lindsey Nicholson | (2020-) |
| Ice Sheets: | Sainan Sun | (2020-) |
| Ice Caps: | Kirsty Langlely | (2020-) |
| Ice Shelves: | Maaïke Izeboud | (2022-) |

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Division Structure

incoming

Science Officers:

Sea Ice:

Luisa von Albedyll

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Approved by DBM

CR Policy Activities

New Post: Division Policy Officer (PO): Marie Cavitte (2024 - ...)



- Postdoctoral researcher at UCLouvain, Belgium
- Working on surface mass balance in coastal East Antarctica
- Currently in secondment at the EU Commission (DG CLIMA)



“I see evidence-informed policy as a way to right the balance: to be the scientists, speaking facts, data, numbers, swath analysis, multidisciplinary approach, speaking (loudest) to the policymakers”

Some idea of what we could do within our CR division:

- Organize CR-specific Science for Policy **Webinars/Campfires**
- Organize **ad-hoc working groups** to tackle CR-related **policy consultations**
- **Share opportunities** and **advise** members who would like to engage in EU policymaking processes
- Relay division members' policy suggestions towards the **EGU Policy Working Group**
- Organize splinter meeting at each **EGU GA** to meet division members interested in science for policy


TODAY!



SPM30

[EGU24 Splinter meeting: Meet your EGU Division Policy Points of Contact](#) ▶

Convener: Chloe Hill  | Co-conveners: Marie G. P. Cavitte^{ECS} , Roberta D'Agostino^{ECS} , Antonella Peresan 

★ Thu, 18 Apr, 14:00–15:45 (CEST)  Room 2.97

Connect with the CR Point of Policy Contact & others working on the science-policy interface!

Division Policy Officers & Points of Policy Contact:

- share relevant policy opportunities and resources to help you engage
- coordinate division members to provide information to policymakers
- provide information about relevant and upcoming policies

Sign up to the Slack group now to join the #Science4Policy discussion!



Cryosphere Early Career Scientist

“... an undergraduate or postgraduate (Masters/PhD) student or a scientist who has received his or her highest degree (BSc, MSc, or PhD) within the past **seven years*** “

*where appropriate, the seven-year period can be extended to allow for periods when the scientist was not working in science because of, but not limited to, **caring and/or parental responsibilities, disability, personal illness, community obligations or national service**

- ECS = 60% of Cryosphere Division
- Divisional ECS Reps put together a strategy to guide union-wide ECS Rep
- Aim to actively shape the GA and wider EGU activity
- Represent issues and topics key to Earlier Career Scientists!

What have we done EGU23 – EGU24?

- February 2024 EGU Campfire: Creatively Communicating Cryoscience
- August 2023 contribution to EGU GeoTalk (Ann-Sofie Zinck)
- The CR Blog is struggling but strong (30+ blog posts in the past year)



CR ECS: The Team



ECS Reps

Ann-Sofie Zinck
Lu Zhou



Blog Chief Editors

Loeka Jongejans
Lina Madaj
Maria Scheel

Regular blog editors:

David Docquier
Emma Pearce
...but we have room for
many more!

You?



Social Media Team

Jordi Bolibar (outgoing)
You? (incoming)



Outreach Officer

Larissa van
der Laan

We are always looking for new people!

Contact ecs-cr@egu.eu if interested or come talk
to anyone of us with a pink pipe cleaner!

... and all our amazing blog authors over the past year!

ECS Activities at EGU GA 2024

Social events:

Division-wide network event: Wed 17 April (20:00-22:00) @ Brandauers Schlossbräu

Meet the ECS CR blog team: Mon 15 Apr (12:45-13:30) @ Terrace G

Other events co-organized by CR ECS Team members:

SC4.11 Transferable skills: what are they and do I have them?

EOS3.1 Promoting and supporting equality, diversity and inclusion in the geosciences

SPM100 APECS Networking Event

Twitter account @EGU_CR:

4255 followers (+310)

Scientific Programme:

86% of CR sessions include EDI logo (last year: 78%)

13/42 sessions convened by ECS, 40/42 sessions co-convened by ECS

CR ECS: The Team – look for the pink pipe cleaners!



EGU medals and awards



How to become an awardee?

- Nominations are exclusively by EGU members (no self nomination)
- Candidates do not need to be EGU members.
- Individual award and medal committees are then evaluating the nominations selecting the most deserving candidate based on scientific achievements.
- Division medals and awards
 - Julia & Johannes Weertman Medal (‘mid-term’ scientist)
 - Outstanding Young Scientist Award
 - Outstanding Student and Phd candidate Presentation Award (OSPP)

Help judge the 2024 OSPP for this years award! All OSPP are marked in the program

Deadline for proposing candidates for 2025 is **15 June 2024.**

Detailed guidelines www.egu.eu/awards-medals/

Medal & Awards



Julia & Johannes Weertman Medal **Gwenn E. Flowers**

(Lecture: Tuesday 16 April, 19.00-20.00)

The 2024 Julia and Johannes Weertman Medal is awarded to Gwenn E. Flowers for outstanding research in the field of the theoretical and observational hydrology of glaciers, ice caps and continental ice masses..

Medal & Awards



Arne Richter Award for Outstanding Early Career
Scientists

Laura Stevens

(Lecture: Tuesday 16 April, 19.00-20.00)

The 2024 Arne Richter Award for Outstanding Early Career Scientists is awarded to Laura A. Stevens for outstanding research into the links between glacial hydrology and ice dynamics, and for their service to the cryosphere community.

Medal & Awards

2023 Outstanding Student and PhD candidate Presentation (OSPP) Award

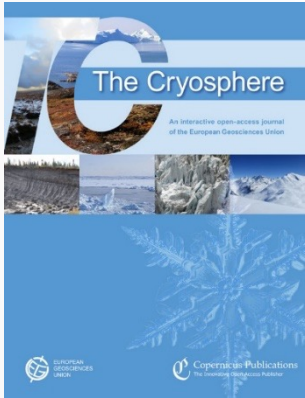


Jelte de Bruin for the contribution entitled:
Detecting permafrost freeze-thaw front propagation using time-laps ERT observations in a large column experiment



Sanne Veldhuijsen for the contribution entitled:
The response of the Antarctic firn layer to future warming

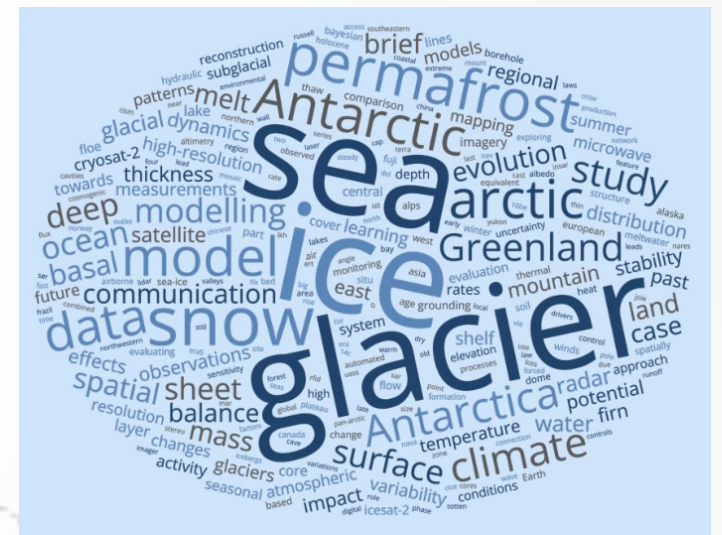
The Cryosphere



Open access with a 5-year Impact Factor of 5.8

Statistics for 2023:

- Number of submissions to The Cryosphere Discussions: 383 (+8% compared to 2022)
- Number of published articles in The Cryosphere: 282 published (+8% compared to 2022)



More and more Institutional Agreements for article charges: Charges will be settled centrally by your institution.

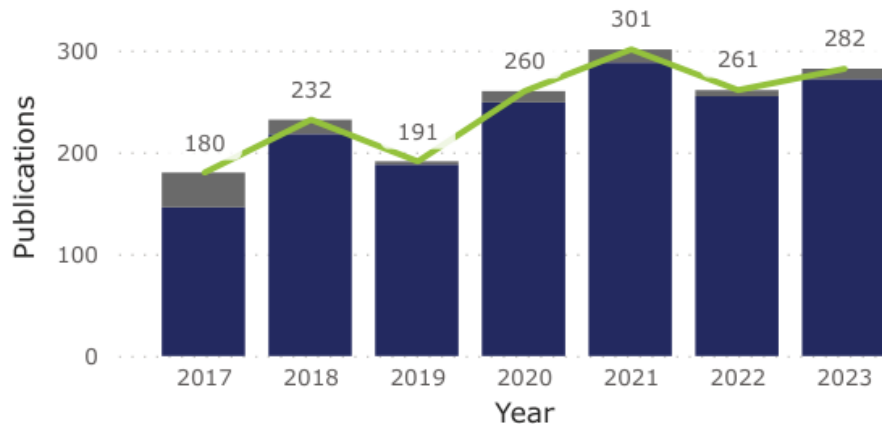
Co-Editors-In-Chief:

- Christian Haas – sea ice
- Christian Hauck – frozen ground, permafrost
- Thomas Mölg – glaciers
- Chris Derksen – snow, freshwater ice
- Nanna Bjørnholt Karlsson – ice sheets

In recent years, we have worked on diversifying the editorial board. We currently have 84 editors. 1/3 of editors are women (30% in 2022). 1/3 of the editorial board has served for less than 3 years.

Articles published by year of publication

● regular ● special issue — total



The Cryosphere

Average time from submission to publication in 2023: 262 days (253 days in 2022).

Main waiting points:

- Pre-print posted on TC Discussion to last referee comment: 61 days average.
- Submission of revised manuscript: 63 days average.

Editors spend on average 1.4 hours securing reviewers for manuscripts.

Help us make publishing in TC faster: Say no if you can't review!

Big thanks to all TC reviewers for supporting the open-access and not-for-profit publication scheme.

Reviewer Recognition for excellence in reviewing (nominated by editors): *Felix Ng, David Rounce, Tim Hill, Simon Horton, Franziska Aemisegger, and Harald Sodemann.*

Most viewed/downloaded 2023 publication is

“Change in Antarctic ice shelf area from 2009 to 2019” by Andreasen et al.

AOB, General comments, discussion, questions

ANY OTHER BUSINESS?

Final comments

- Next year: 27 April - 2 May 2025
- In a hybrid format, online + on site at ACV, Vienna, Austria
- EGU Sphere (<https://www.egusphere.net/>)
- Feedback survey: <https://www.egu24.eu/feedback>
- Don't forget the 15 June deadline for proposing candidates for the awards



**Please
Give Us
Feedback!**