

# Division Meeting Cryospheric Sciences

Carleen Tijm-Reijmer , Nanna Karlsson, TJ Young

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EGU, 18 May 2022



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Meetings | Publications | Outreach | [www.egu.eu](http://www.egu.eu)

# Agenda

- Division president and elections 2023
- General Assembly meeting's statistics
- CR Programme – current implementation
- Division Structure (officers, secretaries)
- Early Career Scientists & Outreach
- Medals and Awards
- Publication: The Cryosphere
- AOB, general discussion and feedback

## Division president 2022

- **CR president:**

Carleen Tijm-Reijmer



- **CR deputy president:**

Nanna Bjørnholt Karlsson



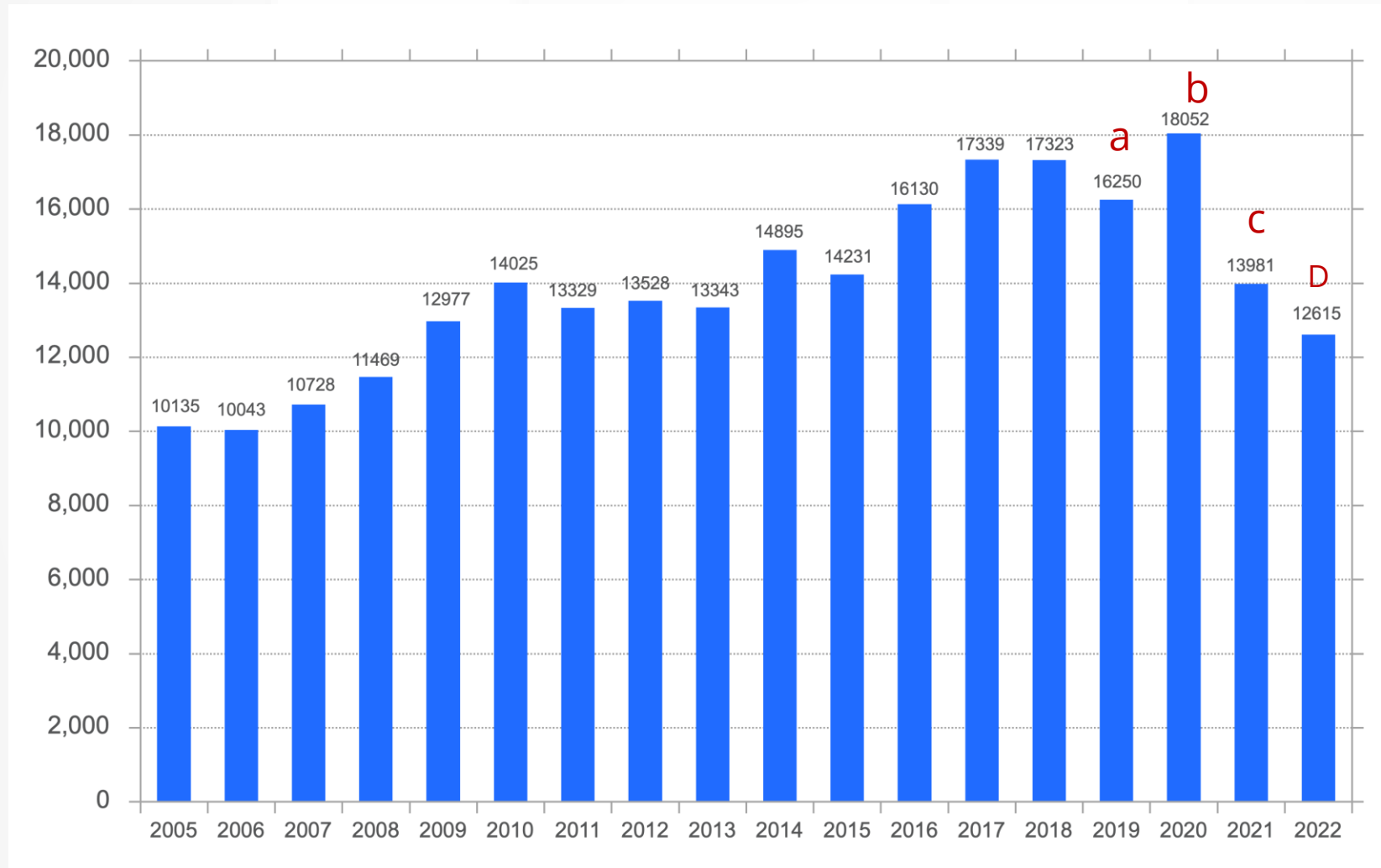
- **(Next elections in autumn 2023)**

## GA statistics

- 12,615 abstracts in programme | -9% relative to 2021
- 777 active sessions | 614 short-oral sessions | 54 Short Courses | 35 Medal and Award Lectures
- 65 Networking and Community Events (excluding pop-ups), Townhall Meetings, Side Events, Splinter Meetings
- EGU Plenary 23 May 12:00 CEST (Room E1) | Medal & Award celebration 25 May 17:30 CEST (Room E1)

# Programme 2005–2022

## Abstracts in programme



- a) 2019: one first-author abstract rule
- b) 2020: Physical GA cancelled 19 March; part of the GA brought online
- c) 2021: Fully online GA
- d) 2022: Hybrid, changed dates

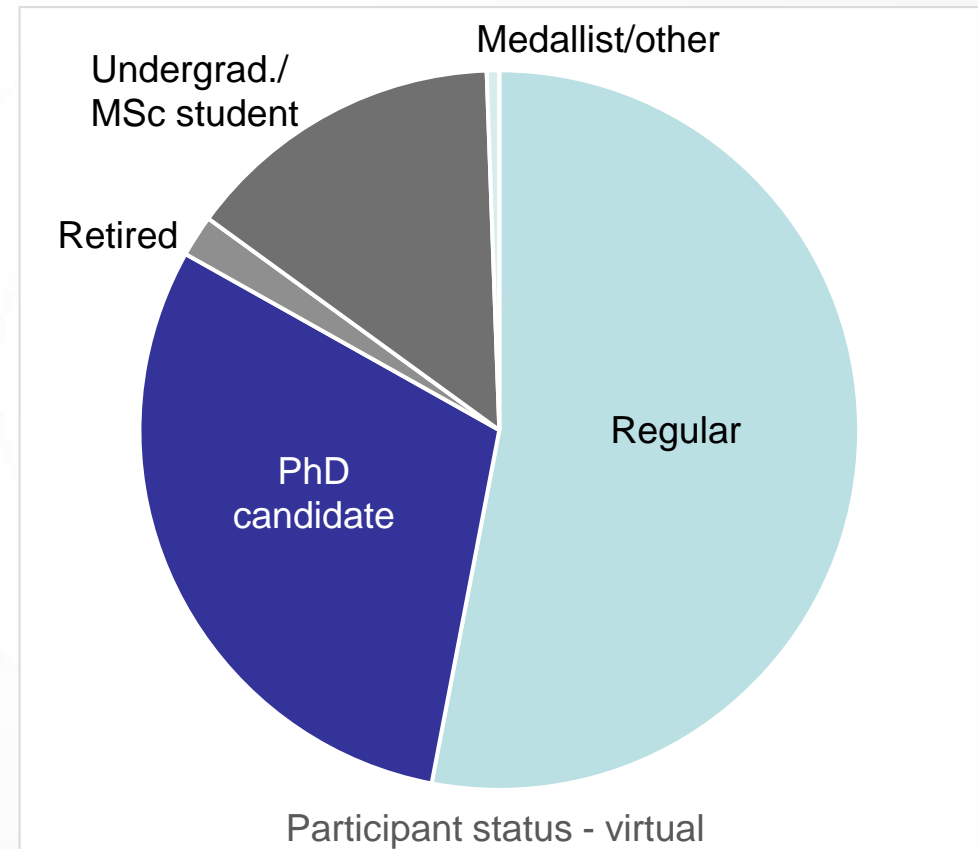
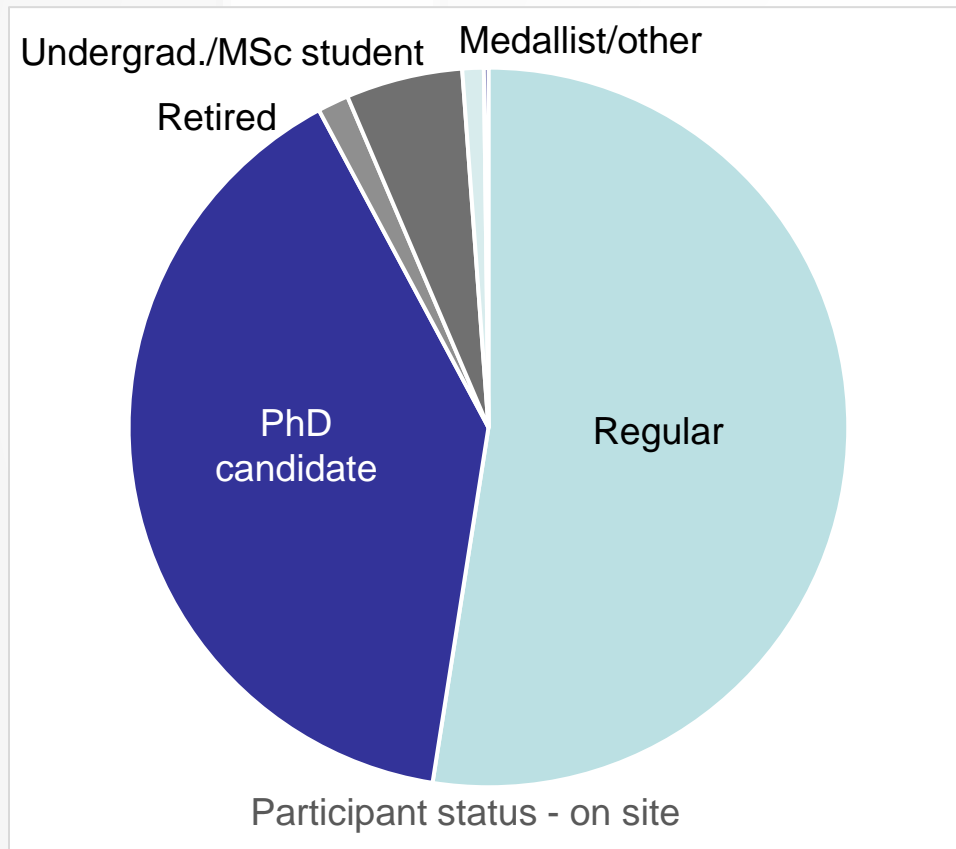


## CR Statistics (CR org + CR co-org)

- 2022 (hybrid): 925 abstracts ↓, 44 sessions  
CR org: 466 abstracts in 20 sessions → -12%  
41 blocks: **11-15 Abstracts/block**
- 2021 (virtual): 1084 abstracts ↓, 57 sessions  
CR org: 531 abstracts in 25 sessions → -12%  
30 vPICO blocks: **15-20 Abstracts/block**
- 2020 (virtual): 1230 abstracts ↑, 38 sessions  
CR org: 603 abstracts in 23 sessions → +46%  
25 oral blocks + 6 PICOs : **24 Abstracts/oral block**
- 2019 (on site): 1206 abstracts ↑, 22 oral blocks | 6 PICOs  
CR org: 412 abstracts in 18 sessions → -17%  
20 oral blocks: **21 Abstracts/oral block**

# EGU22: Registration numbers and breakdown

- 7280 on-site registrations
- On-site participants: 88 countries
- 4384 virtual registrations (12/05 21:00)
- Virtual participants: 107 countries



## Officers:

President/PC Chair:	Carleen Tijm-Reijmer	(2021-)
Deputy President:	Nanna Karlsson	(2021-)
Medal Committee:	<b>Frank Pattyn</b>	<b>(2019-2022)</b>
OSPP Award Coord.:	Isabel Nias	(2020-)
	Stephen Brough	(2020-)
ECS Rep.:	T.J. Young	(2021-)
Outreach:	<b>Clara Burgard</b>	<b>(2020-2022)</b>
Publications:	Christian Hauck	(2020-)
(TC coordinating co-editor in chief)		



## Officers:

President/PC Chair:	Carleen Tijm-Reijmer	(2021-)
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Medal Committee:	<a href="#">Martyn Tranter</a>	<a href="#">(2022-)</a>
OSPP Award Coord.:	Isabel Nias	(2020-)
	Stephen Brough	(2020-)
ECS Rep.:	T.J. Young	(2021-)
Outreach:	<a href="#">Larissa van der Laan</a>	<a href="#">(2022-)</a>
Publications:	Christian Hauck	(2020-)
(TC coordinating co-editor in chief)		

## Secretaries :

Sea Ice:	Stefanie Arndt	(2019- )
Permafrost:	Ylva Sjöberg	(2019- )
Snow:	Nora Helbig	(2020- )
Glaciers:	Lindsey Nicholson	(2020- )
Ice Sheets:	Sainan Sun	(2020- )
Ice Caps:	Kirsty Langley	(2020- )
Ice Shelves:	Irena Vankova	(2019-2022 )

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Ice Shelves:	Maaïke Izeboud	(2022- )

# 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 = 56% 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 EGU21 – EGU22?

- June 21: Organised 'campfire' networking Gathertown event for the Remote Sensing of Svalbard Online Conference (w/ SIOS, AS / OS Divisions)
- October 21: Organised webinar "Meet the Editors" (w/ GD / GM / NP Divisions)
- November 21: Multilingual Cryosphere networking event (w/ IGS EGG, UKPN, SIOS, APECS)
- Enhanced communication between Senior Presidents & ECS Reps
- Weekly blog posts, including Panel Vote for Best Blog Post by Maria Scheel: "It's getting hot in here: Ancient microbes in thawing permafrost"



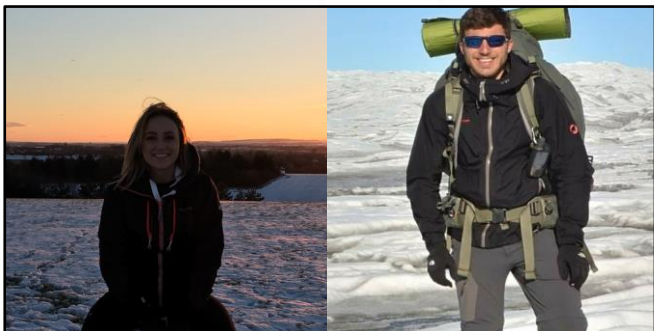
## CR ECS: The Team



Blog Chief Editors  
Giovanni Baccolo  
Marie Cavitte

Outreach Officer  
Clara Burgard (outgoing)  
Larissa van der Laan  
(incoming)

ECS Rep  
TJ Young  
Clara Burgard  
(sabbatical  
cover)



Social Media Team  
Becky McCerery  
Adrien Wehrle

Regular blog editors:  
Jenny Arthur, Francesco Avanzi, Clara Burgard,  
Violaine Coulon, David Docquier, Larissa van  
der Laan, Lina Madaj, Emma Pearce, Maria  
Scheel, Andrew Smedley, Jenny Turton, TJ  
Young

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

We are always looking for new people – contact [ecs-cr@egu.eu](mailto:ecs-cr@egu.eu) if interested!



## ECS Activities at EGU GA 2022

### Social events:

ECS division-wide network event: Wed 25 May (19:00-22:30 CEST) @ Wieden Bräu

Meet the ECS CR blog team: Thu 26 May (12:15-13:15 CEST) @ Donaupark

[egu22.eu](https://egu22.eu) → Programme → Browse by Session → Pop-up networking events, for details!

3 Short Courses, 1 Town Hall, and many more pop-up events:

Careers inside and outside of Academia

Writing the IPCC Report: Behind the scenes

Meet the EGU Journal Editors

Overcoming barriers towards inclusivity in the field sciences

Twitter account @EGU\_CR:

3439 followers (+556)

Average monthly blog reads:

4170 (peak in March 2022: 5046)

ECS Planner's Workshop: Sunday 22 May (hybrid)

Scientific Programme:

75% of CR sessions include EDI logo

19/44 sessions convened by ECS, 31/44 sessions co-convened by ECS

# EGU Medals and Awards

- Union medals
  - Alfred Wegener Medal (senior late-career scientists)
- Union awards
  - Arne Richter Award for Outstanding EC Scientists
- Union travel awards -> EGU Roland Schlich travel awards
- Division medals and awards
  - Julia & Johannes Weertman Medal (‘mid-term’ scientist)
  - Outstanding Young Scientist Award
  - Outstanding Student and Phd candidate Presentation Award (OSPP)

**Deadline** for proposing candidates for 2023 is **15 June 2022**.  
Detailed guidelines [www.egu.eu/awards-medals](http://www.egu.eu/awards-medals)

## Medal & Awards



### Julia & Johannes Weertman Medal Lecture by Regine Hock

(Lecture: Monday 23 May, 19.00-20.00  
■ Room L3 and online)

The 2022 Julia and Johannes Weertman Medal is awarded to Regine Hock for outstanding scientific achievements on the study of glacier mass balance and immense service to the global cryospheric community.

## Medal & Awards



### CR Division Outstanding Early Career Scientists Award Romain Millan

(Lecture: Monday 23 May, 19.00-20.00  
■ Room L3 and online)

The 2022 Division Outstanding Early Career Scientist Award is awarded to Romain Millan for contributions to cryospheric sciences through the development of new methods to map ocean and subglacial topography, and methods to quantify dynamic changes in flowing ice.

## Medal & Awards

### Outstanding Student and Phd candidate Presentation Award (OSPP)

Help judge the 2022 OSPP for this years award!

All OSPP will be marked in the program

## Medal & Awards



### Outstanding Student and Phd candidate Presentation Award (vOSPP) Calvin Beck

The 2021 Outstanding Student and Phd candidate Presentation Award (vOSPP) is awarded to Calvin Beck for the contribution entitled:

Assessing the time-step dependency of calculating supraglacial debris thermal diffusivity from vertical temperature profiles

(& Nicholson, L.)



## Medal & Awards



### Outstanding Student and Phd candidate Presentation Award (vOSPP) Erik Loebel

The 2021 Outstanding Student and Phd candidate Presentation Award (vOSPP) is awarded to Erik Loebel for the contribution entitled:

Automated extraction of calving front locations from multi-spectral satellite imagery using deep learning: methodology and application to Greenland outlet glaciers

(& Schreinert, M.; Christmann, J.; Heidler, K.; Horwath, M.; Humbert, A.)

## Medal & Awards



### Outstanding Student and Phd candidate Presentation Award (vOSPP) Linda Thielke

The 2021 Outstanding Student and Phd candidate Presentation Award (vOSPP) is awarded to Linda Thielke for the contribution entitled:

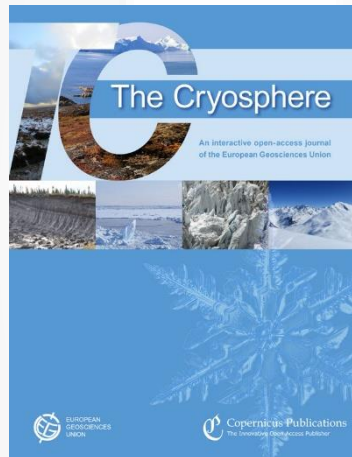
Thermal sea ice classification during the MOSAiC expedition

(& Huntemann, M.; Spreen, G.; Hendricks, S.; Jutila, A.; Ricker, R.)

# The Cryosphere

Most viewed/downloaded 2021 publication is the review article "Earth's ice imbalance" by T. Slater et al.

- The leading journal in its field
- Open access – IF<sub>2021</sub> 5.8



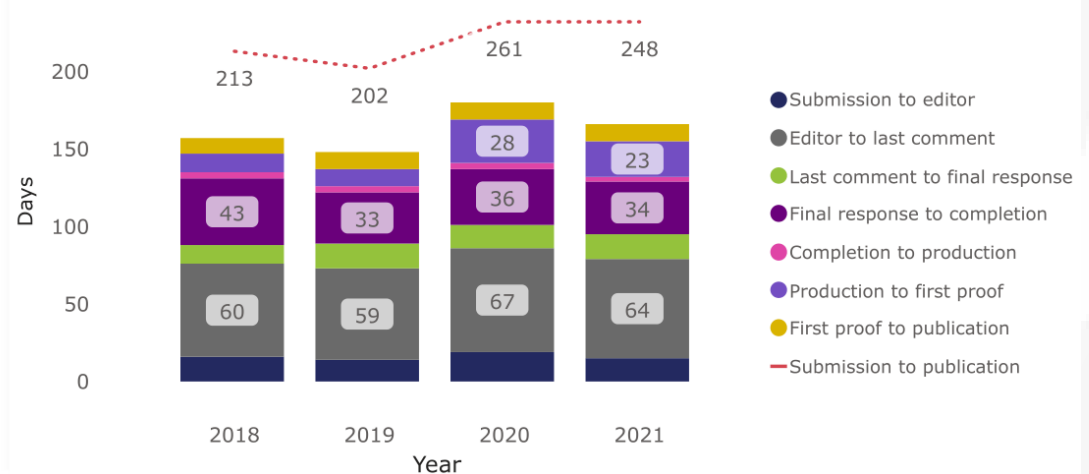
Average time from submission to publication: 248 days.

First review round: 64 days.

## 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
- 2021: TCD: 388 submissions (+4% 2020)  
TC: 301 published (+16% 2020)

Processing times (days median) by year of journal publication



# The Cryosphere

Average time from submission to an editor is found: 19 days.

## New editors needed!

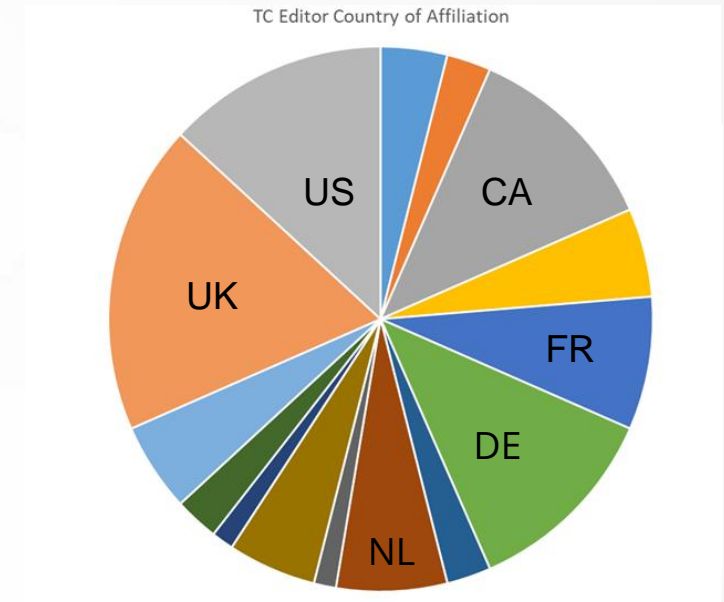
Workload: 6 manuscripts per year. We ask for

- dedication to community-driven peer-review
- support for open access
- experience in reviewing (15-20 reviews)
- contact [Chris.Derksen@ec.gc.ca](mailto:Chris.Derksen@ec.gc.ca)

We would like the TC editorial board to represent the EGU CR division.

In particular, we are looking for editors from Austria, China, Germany, India, Italy and United States.

Current gender balance: 28% female editors.



## AOB, general discussion

### Future of General Assembly

- Science and policy: Short courses, Union wide session and policy desk
- Mentor program
- Next year: ???????
- In a hybrid format, online + on site at ACV
- In Vienna till 2025
- EGU Sphere  
(<https://www.egusphere.net/>)

***Psssst!***  
***Have you heard of***

**EGUsphere**

## EGU22 FAQs

- *Why did you change the date of EGU22 from early April to late May?*
- *Will the date of the General Assembly change again in future?*
- *Why are there no posters or PICOs this year?*
- *Austria relaxed the Covid regulations. Why are you maintaining the 2G and mask requirements?*