

CL Division Meeting

Didier M. Roche

EGU General Assembly, Vienna | April, 10th, 2019

Agenda for the meeting:

- 1./ Structure and team for the division
- 2./ OSPP 2018 awards
- 3./ A perspective on the G.A. 2019
- 4./ Travel support 2019
- 5./ Feedback on the new format of the G.A.
- 6./ CL division medals
- 7./ Elections autumn 2019
- 8./ ECS & outreach report
- 9./ Journal reports
- 10./ EGU G.A. 2020
- 11./ AoB? - EGQSJ

CL division

Structure and team

CL Division structure



Image: <https://itsfoss.com>

Programme Group Chair	Didier Roche	cl@egu.eu
Deputy-president	Outgoing: Marc Luetscher Incoming: Irka Hajdas	hajdas@phys.ethz.ch
Science Officers	Julia Hargeaves	juleswork@mac.com
	Jan-Berend Stuut	jbstuut@nioz.nl
	Incoming: Elisabeth Dietze	edietze@awi.de
	Martin Wild	martin.wild@env.ethz.ch
Publications	Marie-France Loutre	marie-france.loutre@pages.unibe.ch
Awards & Medals	Outgoing: Thomas Stocker Incoming: Gabi Hegerl	Gabi.Hegerl@ed.ac.uk
	Paul Valdes	P.J.Valdes@bristol.ac.uk
ECS Representative	Carole Nehme Michael Deininger Gabriele Messori Sally Dacie	carole.nehme@univ-rouen.fr michael.deininger@ucd.ie gabriele.messori@misu.su.se
Outreach	Célia Sapart Caroline Jacques Carole Nehme Janina Boesken	csapart@ulb.ac.be Caroline.Jacques@ulb.ac.be janina.boesken@geo.rwth-aachen.de
OSPP Coordinator	Francesco Muschitiello	fmuschit@ldeo.columbia.edu

OSPP Awards

“Outstanding Student Poster & Pico Awards”

OSPP Awards in a nutshell ...

... are outstanding student contributions rated at the previous EGU General Assembly

- 6 awards from EGU 2018
- Each laureate:
 - Has name, picture & poster/PICO published on the EGU Award/Medals webpage
 - Appears in EGU newsletter
 - Receives a conference fee waiver at the next EGU General Assembly

CL Climate: Past, Present & Future

The 2018 Outstanding Student Poster and PICO (OSPP) Award is awarded to Annarosa Quarello for the poster/PICO entitled:

Homogenization of GNSS-derived IWV time series (Quarello, A.; Bock, O.; Lebarbier, E.)

Click [here](#) to download the poster/PICO file.

Annarosa Quarello is a Ph.D. candidate, working under the supervision of Dr. Olivier Bock and Dr. Emilie Lebarbier at Lareg (IGN) and AgroParisTech, Paris, France. Annarosa is developing a segmentation method in order to homogenize the time series of GNSS-derived Integrated Water Vapor, one of the essential climate variables. These series are affected by abrupt changes and the homogenization of such series is a crucial step before any interpretation or analysis.



Annarosa Quarello

Outstanding Student Poster and PICO Awards 2018

CL Climate: Past, Present & Future

The 2018 Outstanding Student Poster and PICO (OSPP) Award is awarded to Davide Panosetti for the poster/PICO entitled:

Convergence behavior of convection-resolving simulations of summertime deep convection over land (Panosetti, D.; Schlemmer, L.; Schär, C.)

Click [here](#) to download the poster/PICO file.

Davide Panosetti is a postdoctoral researcher in the Climate and Water Cycle group at ETH Zurich led by Prof. Dr. Christoph Schär. His research addresses the convergence behavior and resolution sensitivity of convection-resolving models at horizontal grid spacings ranging from 8 km to 500 m. In particular, he compares structural convergence of statistics and scales of individual clouds and updrafts with bulk convergence of domain-averaged and integrated properties related to large ensembles of convective cells. To this aim, he runs v5.0 of the model of the Consortium for Small-Scale Modeling in both idealized and real-case setups. He focuses on the diurnal cycle of convection over land, primarily over mountainous terrain.

In his poster he demonstrates that bulk convergence is systematically observed at convection-resolving scales in idealized simulations, and less rigorously in real-case simulations over mountainous terrain. On the other hand, structural convergence is not yet achieved at the kilometer scale.



Davide Panosetti

CL Climate: Past, Present & Future

The 2018 Outstanding Student Poster and PICO (OSPP) Award is awarded to D. Jimena Roncancio Benitez for the poster/PICO entitled:

Evaluation of climate variability and temperature extremes in Colombia: Opportunities for the outlining of climate change and human health adaptive strategies. (Roncancio, D. J.; Nardocci, A.; Lecha, L.)

Click [here](#) to download the poster/PICO file.

Jimena is an environmental engineer, Master of Science in public health from University of São Paulo (Brazil) and third year PhD student of public health at the same university. Her current research is focus on risk assessment of direct health effects of climate variability on human populations, specifically in Colombia.

The EGU 2018 poster presented shows the first results of analyzed daily extreme air temperatures in Colombia considering a period of 30 years. The method of analyses allows the definition of predominant intervals of maximum and minimum temperatures to outline intervals of comfort or extreme thermal sensations and define the levels of health hazard determined by the thermal variability.



D. Jimena Roncancio Benitez

CL Climate: Past, Present & Future

The 2018 Outstanding Student Poster and PICO (OSPP) Award is awarded to Erwin Rottler for the poster/PICO entitled:

Alpine temperature changes: features and feedbacks (Rottler, E.; Kormann, C.; Francke, T.; Bronstert, A.)

Click [here](#) to download the poster/PICO file.

Erwin is based at the research team "Hydrology and Climatology" of the University of Potsdam (Germany). He recently started his PhD as a member of the Research Training Group "NatRiskChange". The awarded Poster illustrates first results of data analyses aiming at a better understanding of features, forcing and feedbacks of climatic changes in alpine regions.



Erwin Rottler

CL Climate: Past, Present & Future

The 2018 Outstanding Student Poster and PICO (OSPP) Award is awarded to Nele-Charlotte Neddermann for the poster/PICO entitled:

Seasonal predictability of European summer climate re-assessed (Neddermann, N.-C.; Müller, W.; Baehr, J.)

Click [here](#) to download the poster/PICO file.

Nele-Charlotte Neddermann is a PhD student at the University of Hamburg, Germany, and a member of the Max Planck Research School on Earth System Modelling. Her research focuses on the seasonal prediction skill of European summers. The work presented on the EGU 2018 corresponds to work supervised by Prof. Dr. Johanna Baehr and Dr. Wolfgang Müller. The awarded poster presents a method with which the current seasonal prediction skill of the ensemble based prediction system MPI-ESM-MR is remarkably improved over central Europe and the North Atlantic. In this method individual ensemble members are selected with regard to a mechanism that connects areas of high prediction skill with the summer climate over Europe and that is influencing the North-Atlantic-European climate on seasonal time scales.



Nele-Charlotte Neddermann

CL Climate: Past, Present & Future

The 2018 Outstanding Student Poster and PICO (OSPP) Award is awarded to Lucie Babel for the poster/PICO entitled:

Sociological factors in geoscientific model construction (Babel, L.; Karssenber, D.)

Click [here](#) to download the poster/PICO file.

Lucie Babel is a PhD student at the Department of Physical Geography of Utrecht University, Netherlands. Her doctoral research project lies at the crossing point between Science and Technology Studies (STS) and Earth and Universe sciences. Following an ethnological methodology based on interviews and observation, she aims at accounting for the processes of decision-making in model construction. The awarded PICO presentation summarizes the first outcomes of extensive interviews conducted with modelers in a wide range of disciplines stretching from astrophysics to geomorphology.

The thesis is co-directed by Derek Karssenber and Dominique Vinck. Lucie Babel is an affiliated member of the Science and Technology Studies Laboratory of the University of Lausanne.



Lucie Babel

EGU General Assembly

... a 2019 perspective

Global EGU GA meeting statistics

CL Division

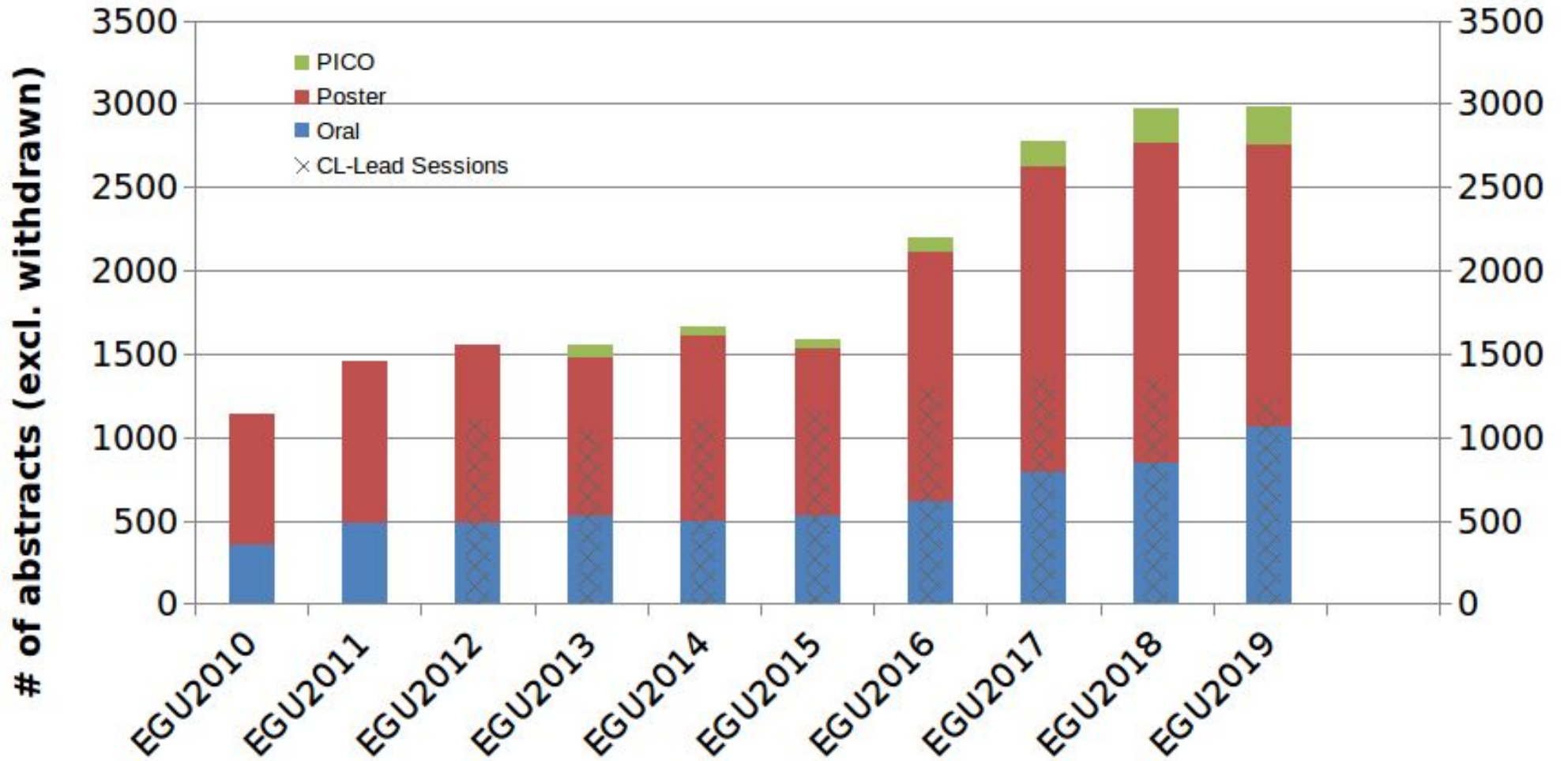
Granted supports	None: 2,956 (99%) ESTS: 2 (0%) ECSTS: 26 (1%)
Presentations	Orals: 1,060 (36%) PICOs: 234 (8%) Posters: 1,690 (57%)
Author identification specifics	ECS: 1,557 (52%)

All meeting

Active scheduled	16,189
Granted supports	None: 15,893 (98%) ESTS: 24 (0%) ECSTS: 272 (2%)
Presentations	Orals: 5,518 (34%) PICOs: 1,282 (8%) Posters: 9,389 (58%)
Author identification specifics	ECS: 9,044 (56%)

With a longer time perspective

15,212 participants (+130)
 117 countries
 Total nbr. Papers -6.5%



CL meeting schedule

Organization of the scientific program in 6 subsections:

- CL0 - General
- CL1 – Past climates
- CL2 – Present climate
- CL3 – Future climate
- CL4 – Past-Present-Future climates
- CL5 – Tools for climate studies
- CL6 – Short Courses (of interest to CL)

Scheduled over a compact series of rooms:

0.14 / 0.49 / F2 / E2 at the Yellow Level

(+ a few sessions in Brown / Green levels)

Travel Support 2019

EGU Travel Support

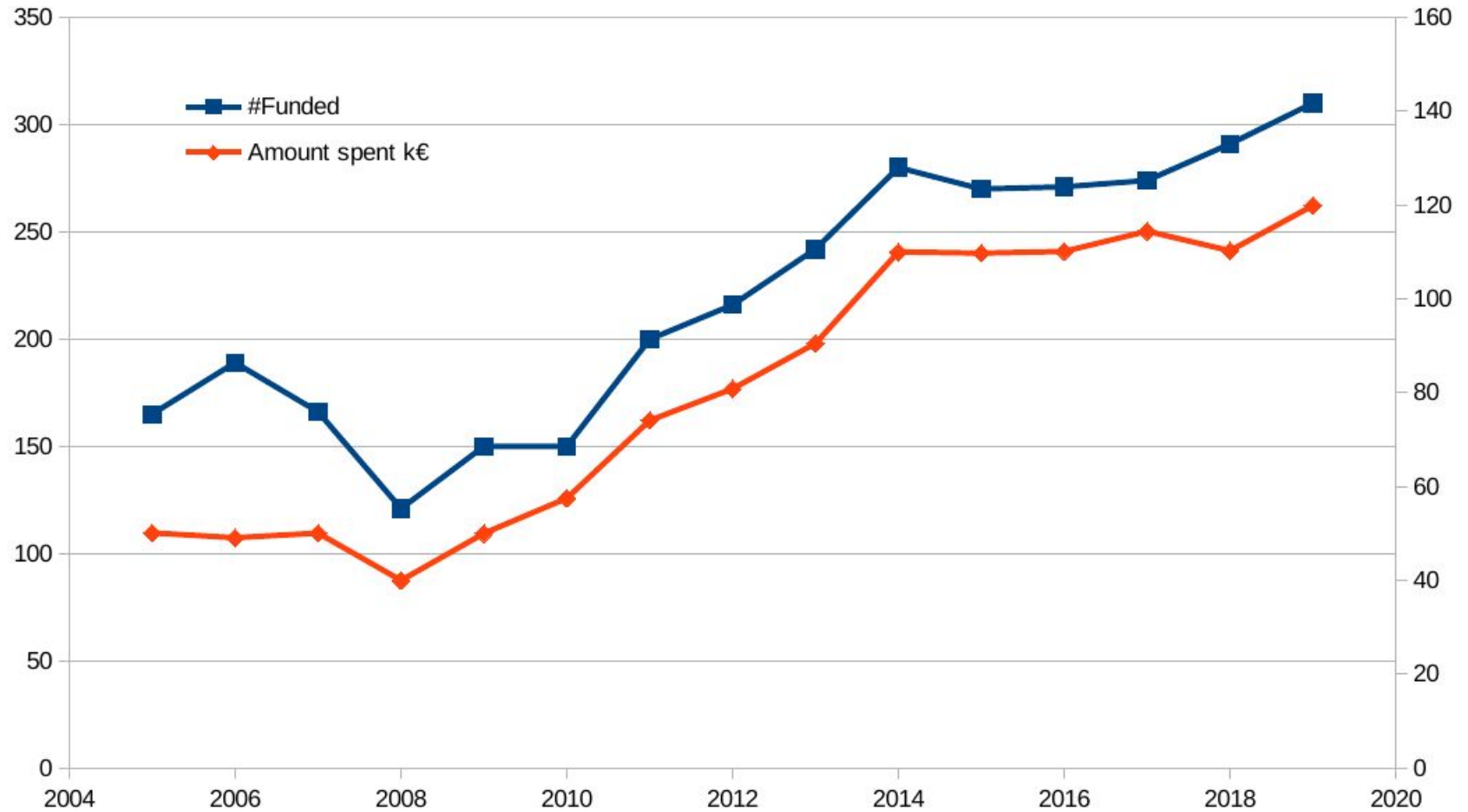
Scheme	Target audience	Approximate Funding allocation	Funding
Early Career Scientist's Travel Support (ECSTS)	Early Career Scientists (world wide with earmarked funds for European economically disadvantaged (EED) countries)	EED: 30-35%	<ul style="list-style-type: none"> • Registration • APC • Maximum of €300 travel expenses
		Other countries: 50-60%	
Established Scientist's Travel Support (ESTS)	Established scientists (low and lower middle income countries)	10-20% *	

EGU Travel Support - eligibility

The nominee needs to satisfy the following criterion by 1 January of the year when the travel award is presented: Be 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*.

*Provided parental leave fell into that period, up to one year of parental leave time may be added per child, where appropriate.

EGU Travel Support - a short history



EGU Travel Support - 2019 results

Number of eligible applications: 967

Number of granted supports: 310

Overall success rate: 32%

Within schemes:

	Nb app.	% total	% success
ECSTS	731	75.6%	28.5%
ECSTS [EED]	167	17.3%	46%
ESTS	69	7%	35%

New GA format

Feedback!

New format General Assembly

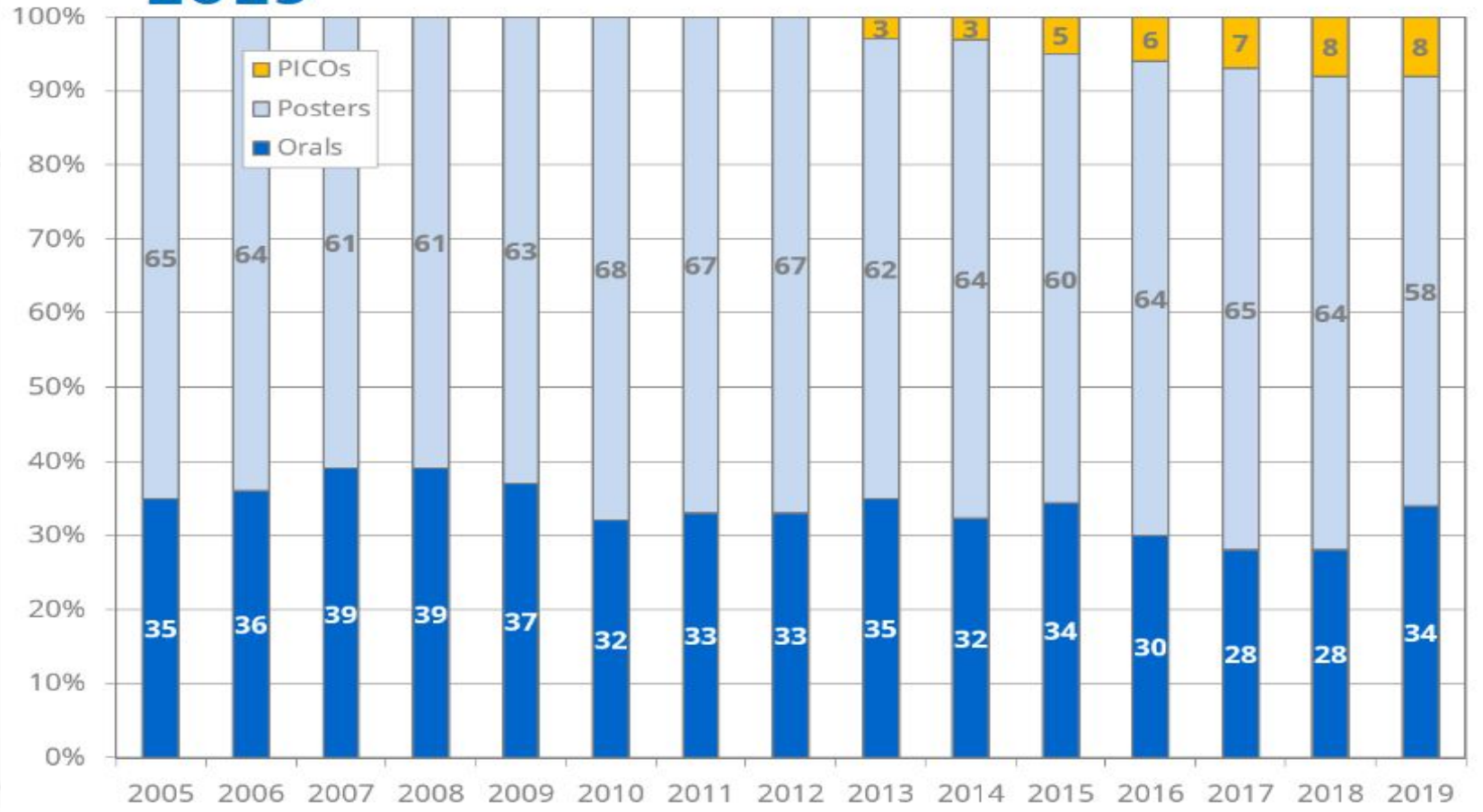
Block	Time	Activity
TB1	08:30 – 10:15	Posters, orals, PICOs
Break	10:15 – 10:45	
TB2	10:45 – 12:30	Posters, orals, PICOs
Lunch break	12:30 – 14:00	
TB3	14:00 – 15:45	Posters, orals, PICOs
Break	15:45 – 16:15	
TB4	16:15 – 18:00	Posters, orals, PICOs
TB5 - Break	18:00 – 19:00	Networking, extra poster viewing, exhibition, activities in the foyers
TB6	19:00 – 20:00	Townhalls, some short courses, some medal lectures

[Feedback to](mailto:cl@egu.eu)

cl@egu.eu

New format General Assembly

Presentation ratio 2005 - 2019



Feedback to

cl@egu.eu

- No solicited presentations by conveners: “Authors (first and co-authors) cannot have a solicited presentation in a session they (co-)convene. (Co-)conveners cannot be presenting author, and are discouraged from being co-author, on oral presentations in a session they convene.”
- 1 abstract rule: “Authors are allowed as first author to submit either one regular abstract plus one abstract solicited by a convener, or two solicited abstracts. A second regular abstract can be submitted to the EOS programme group. ”
- Number of conveners on a session: At session submission minimum 2 and maximum 5 conveners
- Number of convenerships as a guideline: A maximum of three (co-)convenerships total, with one as lead convener. Short Courses are exempted from the guideline on number of convenerships.
- Diversity: We strongly encourage convener teams to reflect (i) multiple countries and institutes and (ii) different career stages, and especially to include early career scientists, and (iii) gender diversity.

CL Division Medals

(A quickstart guide)

The CL Division has 3 award/medals

- Division Outstanding Early Career Scientists Award
- Two division Scientists Medals:
 - Milutin Milankovic Medal
outstanding research in long term climatic changes and modeling
 - Hans Oeschger Medal
outstanding achievements in ice research and/or short term climatic changes (past, present, future)

2019 Outstanding Early Career Scientists Award

The 2019 Arne Richter Award for Outstanding Early Career Scientists is awarded to Amanda C. Maycock for significant and original contributions to the understanding of the influence of stratospheric processes on climate at temporal scales from seasons to centuries.



Amanda C. Maycock

**ENSO teleconnections to the extratropics: role of El Niño
amplitude and seasonal cycle**

Thu, 11 Apr, 10:45–11:15 Room E2

2019 Hans Oeschger Medal recipient

The 2019 Hans Oeschger Medal is awarded to Edward J. Brook for producing greenhouse-gas records from polar ice cores in unprecedented resolution that permitted the precise north-south synchronisation of climate signals and the identification of past variations in great detail.



Edward J. Brook

The atmospheric fingerprints of Dansgaard-Oeschger and Heinrich Events

Tue, 09 Apr, 17:00–18:00 Room F2

2019 Milutin Milankovic Medal recipient

The 2019 Milutin Milankovic Medal is awarded to Jacques Laskar for fundamental contributions to the investigation of orbital climate forcing, and for the development of long-term, reliable astronomical solutions important for the whole palaeoclimate community.



Jacques Laskar

Astronomical solutions for paleoclimate studies. Historical views and new challenges.

Wed, 10 Apr, 14:00–15:00 Room F2

I have a brilliant candidate for a medal / award ...

- Who can nominate? => EGU members (like, everybody in this room ...)
- Whom can you nominate? => anybody except EGU officials ... and yourself!
- When? => June, 15th is the absolute deadline, you can do it NOW
- How? Online: <https://www.egu.eu/awards-medals/proposal-and-selection-of-candidates/>

... and what if you do not nominate?

The EGU reserve the right to not confer the medal when there is only one nomination.

And in practice ...

A nomination package for the Division and Union medals consist of the following:

- Nomination letter (1 page). ...
- Curriculum Vitae (2 pages). ...
- Selected bibliography (2 pages). ...
- Supporting letters. Between 3 and 5 letters of support (maximum 1 page each) ...

A nomination package for the Outstanding Early Career Scientists Awards consist of the following:

- Nomination letter (1/2 page) ...
- Curriculum Vitae (1 page) ...
- Selected bibliography (1/2 page)...

Medal committees evaluate the candidates and gets approval by council

Hans Oeschger Medal Committee 2019 (with one non medallist member, following best practice)

- Gabi Hegerl (New chair)
- Denis-Didier Rousseau
- Paul A. Mayewski
- Hubertus Fischer
- Ed Brook (Incoming Medallist)

Members Rotated off the committee following best practice

- Thomas Stocker (Outgoing Chair)



Medal committees evaluate the candidates and gets approval by council

Milutin Milankovic Medal Committee 2019 (with one non medallist member, following best practice)

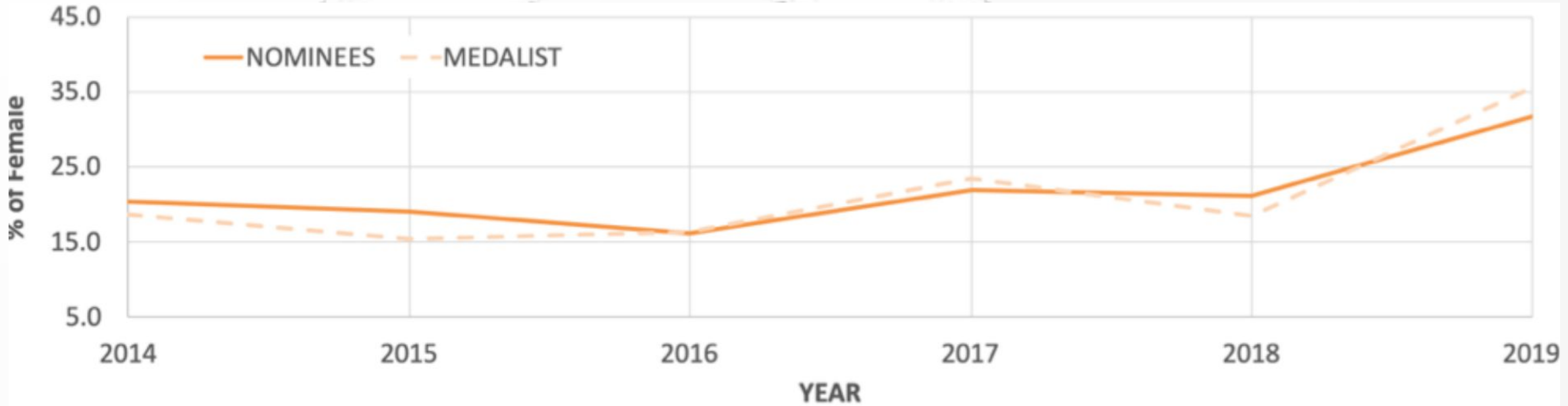
- Paul Valdes (Chair)
- Axel Timmermann
- Jacques Laskar (incoming Medallist)
- David Hodell
- Marie-France Loutre

Members rotated off the committee following best practice

- James Zachos



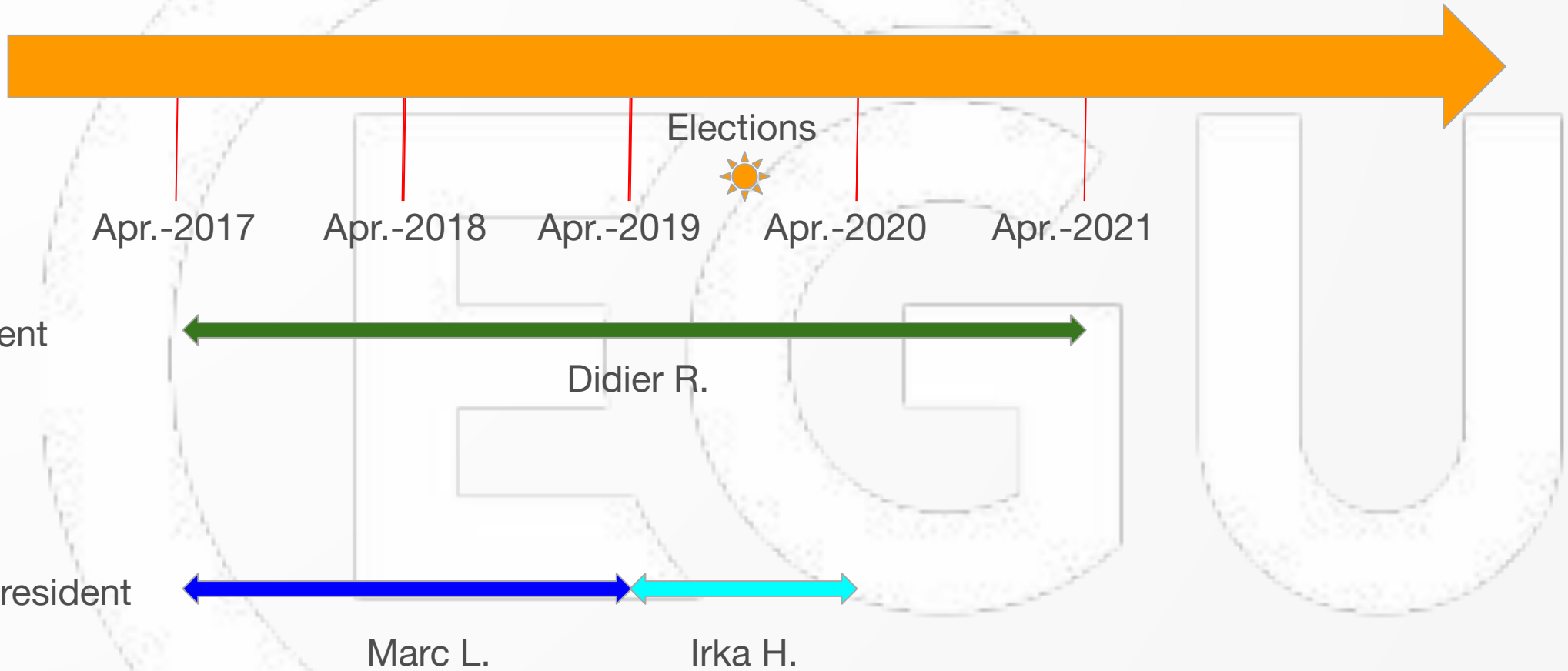
EGU-wide Medals gender considerations



[Nominate!](#)

Elections 2019

Timeline CL president: office & elections



▪ President

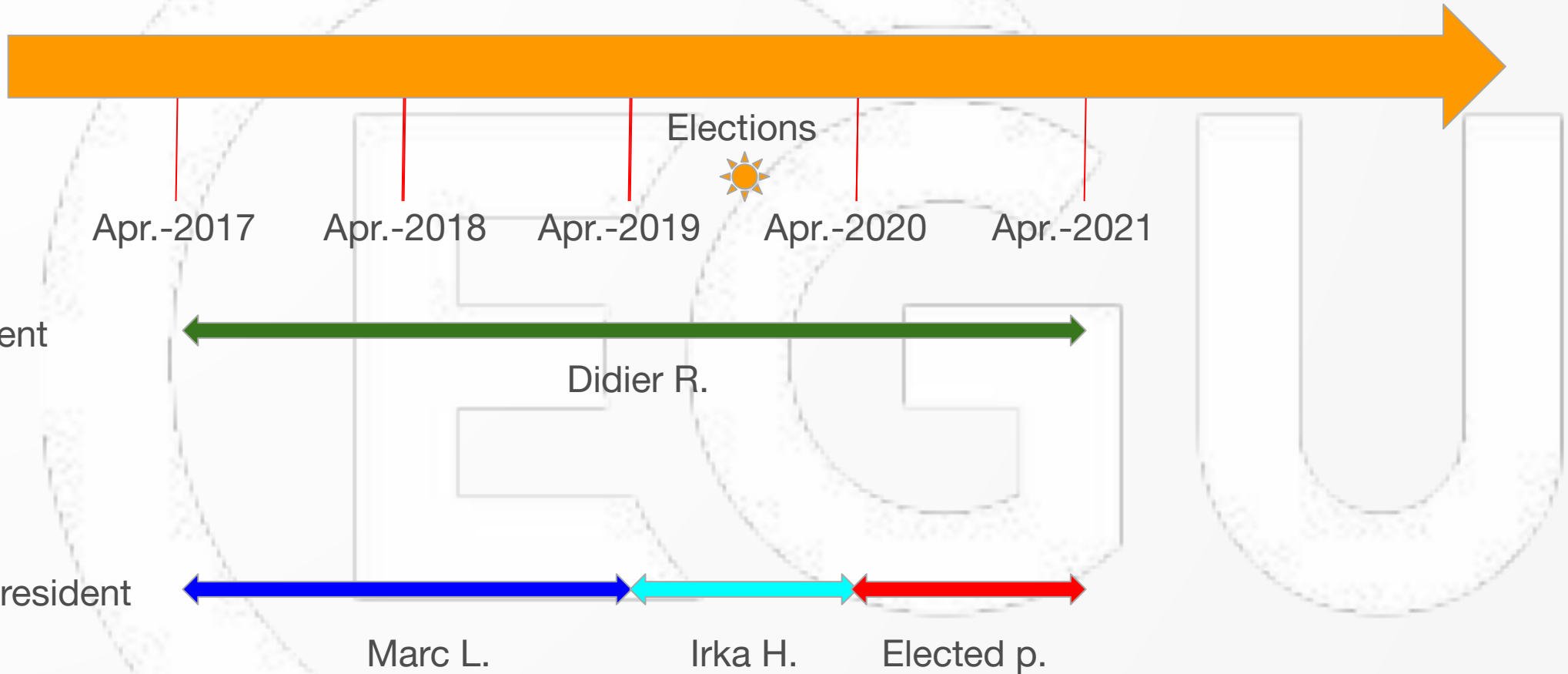
▪ Vice-president

Didier R.

Marc L.

Irka H.

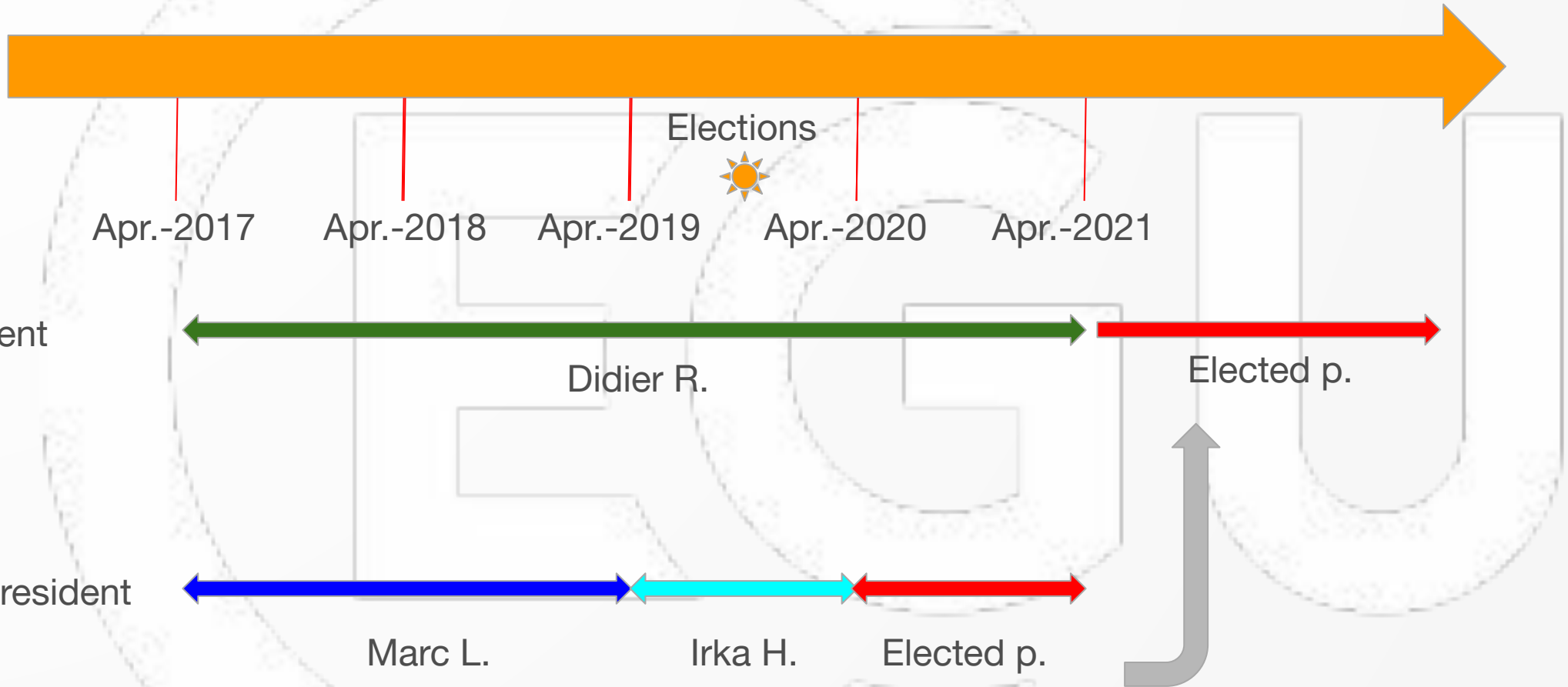
Timeline CL president: office & elections



■ President

■ Vice-president

Timeline CL president: office & elections



▪ President

▪ Vice-president

ECS & outreach report

Early career scientists in EGU

ECS-CL representative : Carole Nehme

ECS-CL co-representative : Gabriele Messori , Michael Deininger

ECS-CL outreach team : Celia Sapart, Caroline Jacques

What is An Early Career Scientists (ECS)?

- 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.

Important to know !!!

- Approximately 1/3 of EGU members are early career scientists – **it's important that your voice is heard.**
- The ECS website provides information for ECS at <http://www.egu.eu/ecs/> including careers, financial support, events & resources.
- There are ECS awards at division & assembly level. Please check the nomination

Your ECS representative

- ECS rep. provides a link between the ECS community & the EGU.
- ECS maintain & promote a supportive environment for young scientists within the union
..... **Would you like to be involved ?.....**
- Contact the current ECS rep. with questions, comments, feedback etc.
 - EGU BOOTH Thu 11th , 9h30-10h and 12h30-13h30
 - Send an email on cl-ecs@egu.eu

ECS

About early career scientists (ECS)

What's going on this year?

Lots....

Short courses as a taster !!! co-organized by CL ECS during the EGU GA

- Session SC1.20/AS6.3/CL6.02/OS5.2
Thermodynamics and energetics of the oceans, atmosphere and climate (co-organized)
Convener: Valerio Lembo | Co-conveners: Valerio Lucarini, Gabriele Messori, Remi Tailleux.
Tue, 09 Apr, 10:45–12:30
- Session SC1.34/CL6.03
Integrated approach in climate reconstructions using different records: challenges and perspectives
Convener: Carole Nehme | Co-convener: Michael Deininger
Tue, 09 Apr, 14:00–15:45

Don't miss the ECS great debate !!!

Topic : How can Early Career Scientists prioritise their mental wellbeing?

Convener: Stephanie Zihms | Co-conveners: Raffaele Albano, Anita Di Chiara, Olivia Trani, Mathew Stiller-Reeve

Thu, 11 Apr, 19:00–20:30

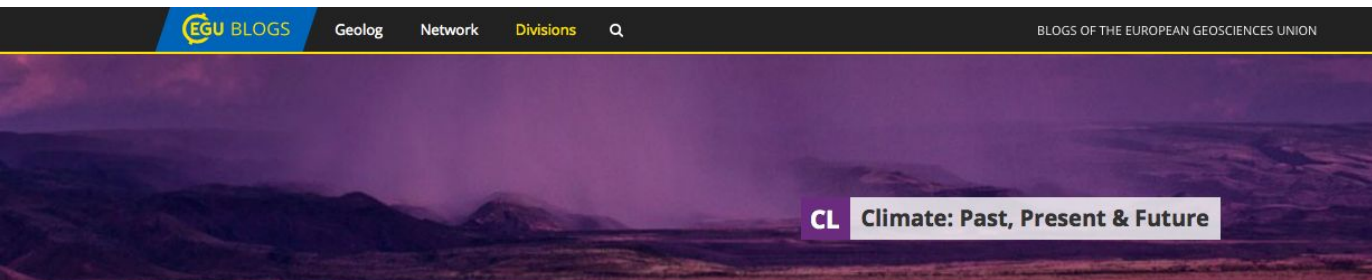
... Other activities for you !!

- There are lots of other ECS courses and skills sessions organised. See:
<http://meetingorganizer.copernicus.org/EGU2018/sessions-of-specialinterest/ECS>
- **EGU Early Career Scientists' Forum**
Thu, 12 Apr, 12:15–13:15, Room N2
Conveners: Stephanie Zihms , Roelof Rietbroek, Olivia Trani
- **Meet the EGU CL division president and ECS CL team**, Monday 8th Apr - EGU Booth
- **ECS Lounge, Red level**
 - A relaxed, informal space to meet other early career scientists, enjoy a coffee, and recharge your laptop (and yourself) !!
 - there is lots of information about cultural and social activities in Vienna and the opportunity to feedback via the suggestions board.

... Science Outreach !!

CL Blog to promote climate science by early career scientists !!!

- The outreach team (Celia Sapart, Caroline Jacques) **needs your contributions....**



EGU Blogs » Divisions » Climate: Past, Present & Future

Climate: Past, Present & Future

Pollen, more than forests' story-tellers

Encarni Montoya, Institute of Earth Sciences Jaume Almera (ICTJA-CSIC), c/Sole i Sabaris s/n, 08028 Barcelona (SPAIN) · April 3, 2018



ABOUT

Welcome to the [blog](#) of the [Climate: Past, Present and Future \(CL\) Division](#) of the [European Geosciences Union \(EGU\)](#). It cover all aspects of the ocean-climate-atmospheric systems, encompassing multiple, over-lapping and

RECENT POSTS

[Pollen, more than forests' story-tellers](#)

[How to reconstruct past climates from water stable isotopes in Polar ice cores ?](#)

[Mountain glacier variations: natural thermometers and rainfall gauges](#)

[Varves - Revealing the past layer by layer](#)

[What is in the \(European\) air?](#)

Tweets by @EGU_Climate

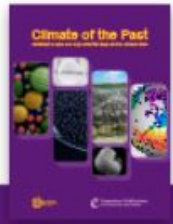
 **EGU Climate Division**
@EGU_Climate

blogs.egu.eu/divisions/cl/2...



Pollen, more than forests' sto...
Name of proxy Sporomorphs (p...
blogs.egu.eu

Journal reports



Climate of the Past

An interactive open-access journal of the European Geosciences Union



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OPEN
ACCESS



INTERACTIVE PUBLIC
PEER REVIEW



ARTICLE LEVEL
METRICS



MODERATE ARTICLE
PROCESSING CHARGES

Co-editors-in-chief: Uwe Mikolajewicz, Denis-Didier Rousseau, Marit-Solveig Seidenkrantz & Eric Wolff

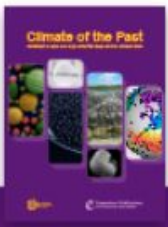
Climate of the Past (CP) is an international scientific journal dedicated to the publication and discussion of research articles, short communications, and review papers on the climate history of the Earth. CP covers all temporal scales of climate change and variability, from geological time through to multidecadal studies of the last century. Studies focusing mainly on present and future climate are not within scope.

The main subject areas are the following:

- **reconstructions of past** climate based on instrumental and historical data as well as proxy data from marine and terrestrial (including ice) archives;
- **development and validation of new proxies**, improvements of the precision and accuracy of proxy data;
- **theoretical and empirical studies of processes** in and feedback mechanisms between all climate system components in relation to past climate change **on all space scales and timescales**;
- **simulation of past climate and model-based interpretation of palaeoclimate data** for a better understanding of present and future climate variability and climate change.

www.climate-of-the-past.net/

Contact us at cp-co-editors-in-chief@mailinglists.copernicus.org

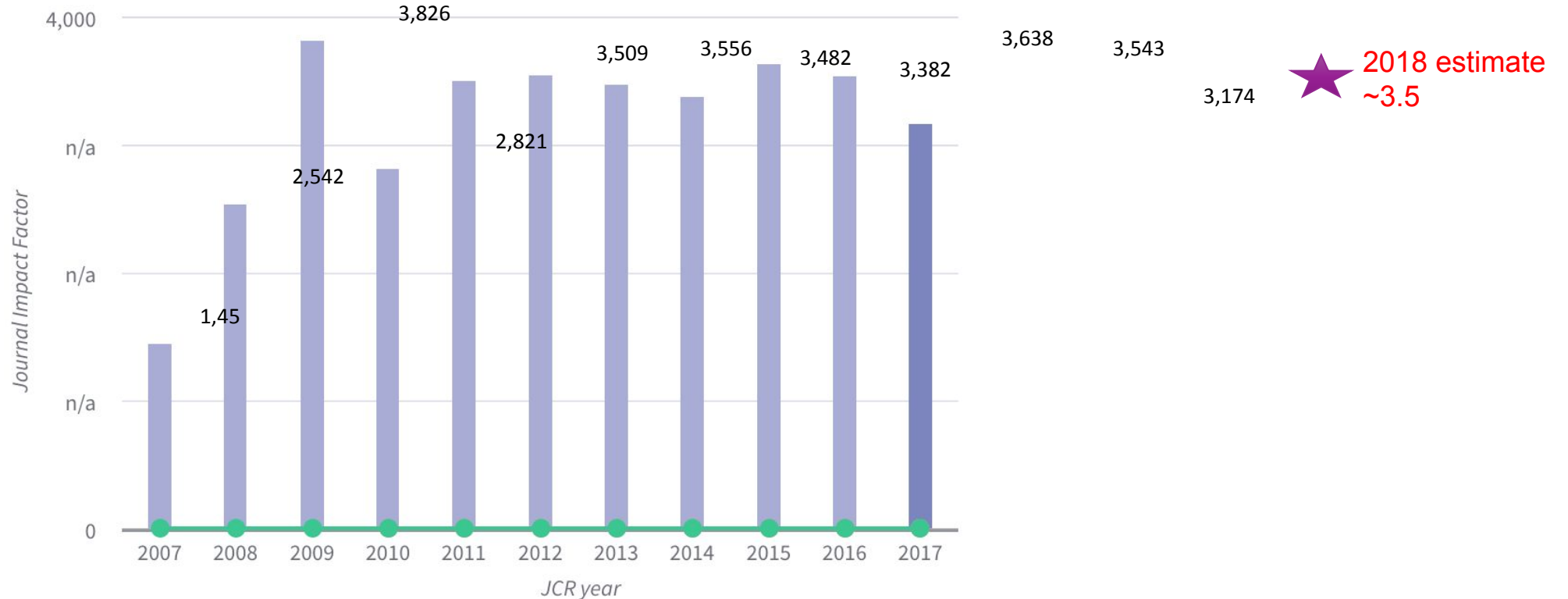


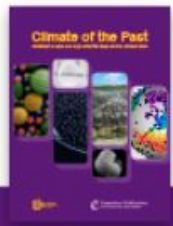
1. Impact Factor Evolution

3,174

2017 Journal Impact Factor

CP Launched in June 2005, indexed and with an IF 2 years after





2. Scheduled Special Issues

2019

- ▶ **Ocean deoxygenation: drivers and consequences – past, present and future (BG/CP/OS inter-journal SI)**
01 Mar 2019–31 Aug 2019 | | [Information](#)

2018

- ▶ **Droughts over centuries: what can documentary evidence tell us about drought variability, severity and human responses?**
01 Feb 2018–31 Aug 2019 | R. Brazdil, A. Kiss, G. Blöschl, S. Grab, and J. Luterbacher | [Information](#)

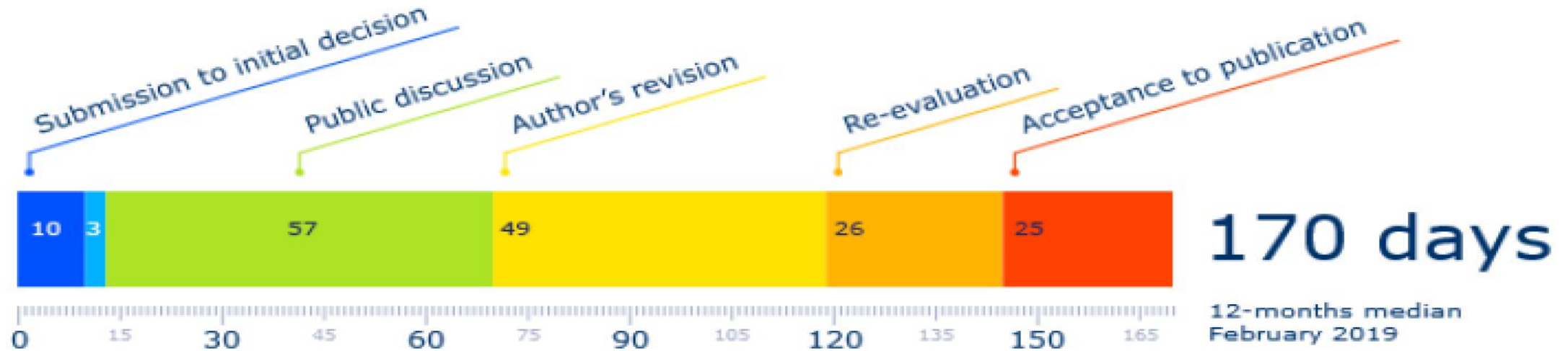
2017

- ▶ **Paleoclimate data synthesis and analysis of associated uncertainty (BG/CP/ESSD inter-journal SI)**
10 Oct 2017–30 Jun 2019 | A. Paul, C. Ohlwein, and L. Jonkers | [Information](#)
- ▶ **The 10th International Carbon Dioxide Conference (ICDC10) and the 19th WMO/IAEA Meeting on Carbon Dioxide, other Greenhouse Gases and Related Measurement Techniques (GGMT-2017) (AMT/ACP/BG/CP/ESD inter-journal SI)**
01 Oct 2017–31 Mar 2019 | H. Fischer and I. C. Prentice | [Information](#)
- ▶ **The Model Intercomparison Project on the climatic response to Volcanic forcing (VoIMIP) (ESD/ACP/CP/GMD inter-journal SI)**
15 May 2017–30 Apr 2019 | | [Information](#)
- ▶ **Paleoclimate Modelling Intercomparison Project phase 4 (PMIP4) (CP/GMD inter-journal SI)**
10 Jan 2017–31 Jan 2020 | M. Kageyama, S. Harrison, J. H. Jungclaus, B. L. Otto-Bliesner, and M. F. Loutre | [Information](#)

2013

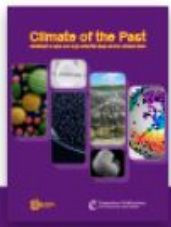
- ▶ **Oldest Ice: finding and interpreting climate proxies in ice older than 700 000 years (TC/CP/ESSD inter-journal SI)**
01 Jan 2013–31 Dec 2024 | CP editors | Coordinator: M.-F. Loutre | [Information](#)

3. Statistics of submission and publication



In 2018,

- 169 submission to CP discussion: 152 reviewed, 17 (7.3%) rejected;
- 157 entering the CP publication process: 126 published, 15 (10.6%) rejected, 3 withdrawn, 13 still under review.



4. Editors

- Last year we were 29 regular editors, incl. 5 co-chief editors, plus guest editors for special issues
- 16 New editors have been contacted and 14 (7+7) agreed upon joining us and have been appointed!
- We are therefore 43 regular editors (still gender unbalanced 17 F & 26 M), incl. 4 co-chiefs.
- 2 editors are suspended because of IPCC duties: Pascale Braconnot and Nerilie Abram

5. Co-editors-in-chief



Denis-Didier Rousseau: chief of chiefs until end of this meeting;



Marit-Solveig Seidenkrantz: co-editor-in-chief, will be the chief of the chiefs at the end of the meeting;



Laurie Menviel: new chief approved and appointed by council;



Uwe Mikolajewicz: will step down as chief;

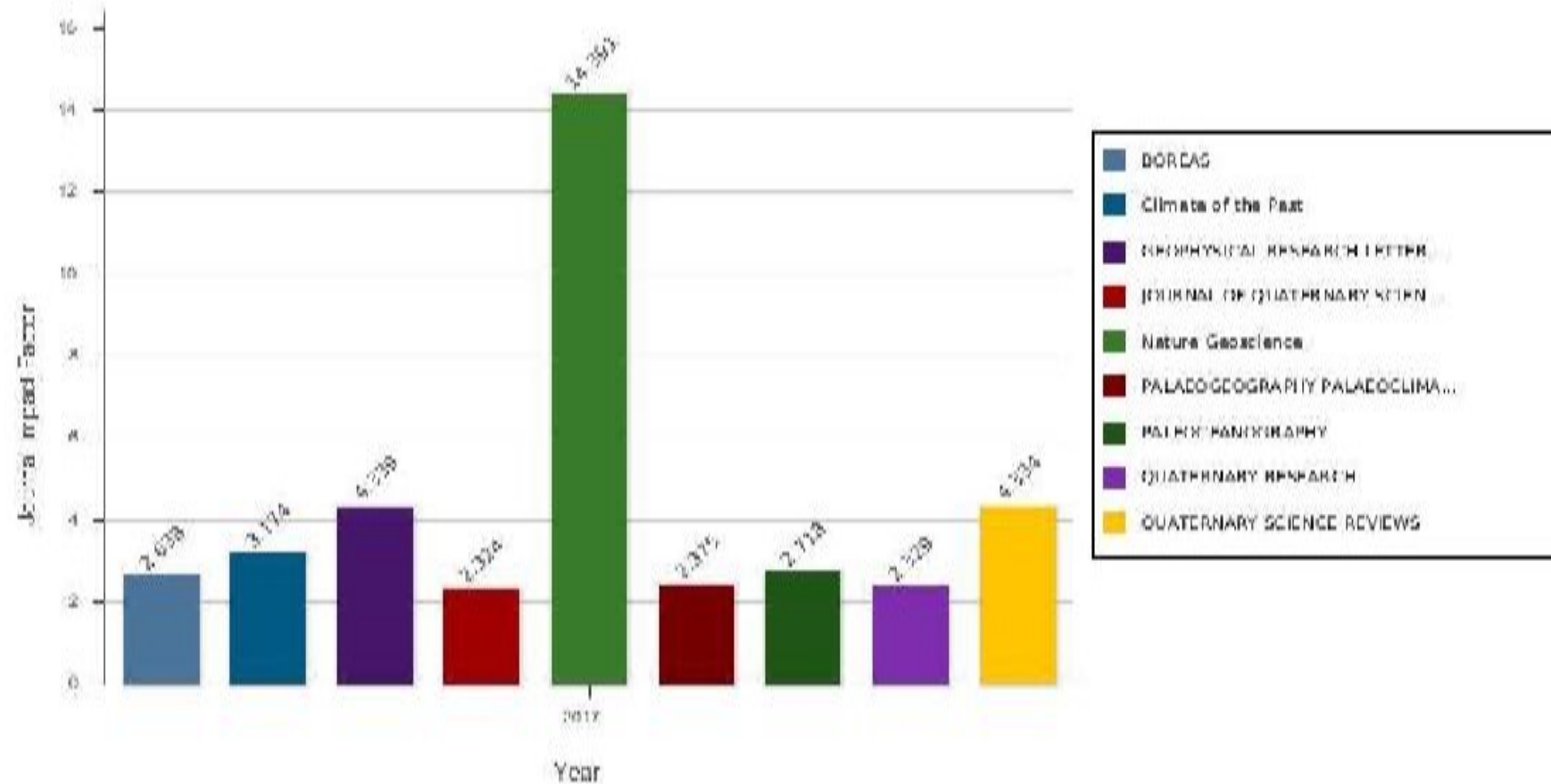


Eric Wolff : co-editor-in-chief;.

www.climate-of-the-past.net/

Contact us at cp-co-editors-in-chief@mailinglists.copernicus.org

1.b. Impact factors 2017: CP competitors





Earth System Dynamics

Earth System Dynamics

An international scientific journal dedicated to studies that take an interdisciplinary perspective of the functioning of the whole Earth system and global change

Open review, open access

Not for profit

ISI Impact Factor: 3.77

Time To Publication: 6 months

Chief editors:

Axel Kleidon

Somnath Baidya Roy

Anders Levermann

Valerio Lucarini

Ning Zeng

Twitter: @EGU_ESD

Web: www.earth-system-dynamics.net

Examples of Published Papers

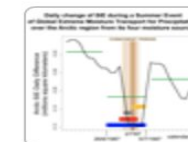
21 Feb 2019

The role of moisture transport for precipitation in the inter-annual and inter-daily fluctuations of the Arctic sea ice extension

Luis Gimeno-Sotelo, Raquel Nieto, Marta Vázquez, and Luis Gimeno

Earth Syst. Dynam., 10, 121-133, <https://doi.org/10.5194/esd-10-121-2019>, 2019

► Short summary



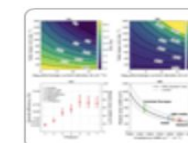
04 Jan 2019

ESD Ideas: Photoelectrochemical carbon removal as negative emission technology

Matthias M. May and Kira Rehfeld

Earth Syst. Dynam., 10, 1-7, <https://doi.org/10.5194/esd-10-1-2019>, 2019

► Short summary



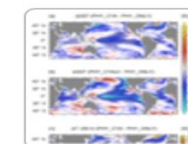
05 Dec 2018

Light absorption by marine cyanobacteria affects tropical climate mean state and variability

Hanna Paulsen, Tatiana Ilyina, Johann H. Jungclaus, Katharina D. Six, and Irene Stemmler

Earth Syst. Dynam., 9, 1283-1300, <https://doi.org/10.5194/esd-9-1283-2018>, 2018

► Short summary



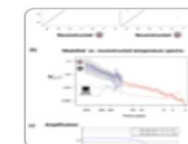
12 Nov 2018

ESD Ideas: The stochastic climate model shows that underestimated Holocene trends and variability represent two sides of the same coin

Gerrit Lohmann

Earth Syst. Dynam., 9, 1279-1281, <https://doi.org/10.5194/esd-9-1279-2018>, 2018

► Short summary



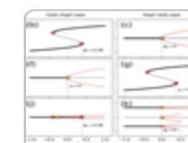
06 Nov 2018

Cascading transitions in the climate system

Mark M. Dekker, Anna S. von der Heydt, and Henk A. Dijkstra

Earth Syst. Dynam., 9, 1243-1260, <https://doi.org/10.5194/esd-9-1243-2018>, 2018

► Short summary



New Category: ESD Ideas

1. The idea of the manuscript is novel and highly innovative.
2. The idea is scientifically well-founded and could, in principle, be tested.
3. The idea cannot be tested with currently available data or tools
(otherwise, it could be submitted as a short manuscript).
4. The idea is interdisciplinary and within the scope of Earth System Dynamics.
5. The idea has potential to stimulate future research.
6. The manuscript is properly formatted.
7. The manuscript should have the potential to pass peer-review.

New Category: ESD Ideas

18 Mar 2019

ESD Ideas: Why are glacial inception slower than terminations?

Christine Ramadhin and Chuixiang Yi

Earth Syst. Dynam. Discuss., <https://doi.org/10.5194/esd-2019-10>, 2019

Manuscript under review for ESD (discussion: open, 1 comment)

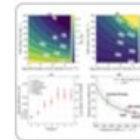
04 Jan 2019

ESD Ideas: Photoelectrochemical carbon removal as negative emission technology

Matthias M. May and Kira Rehfeld

Earth Syst. Dynam., 10, 1-7, <https://doi.org/10.5194/esd-10-1-2019>, 2019

► Short summary



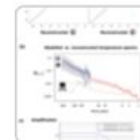
12 Nov 2018

ESD Ideas: The stochastic climate model shows that underestimated Holocene trends and variability represent two sides of the same coin

Gerrit Lohmann

Earth Syst. Dynam., 9, 1279-1281, <https://doi.org/10.5194/esd-9-1279-2018>, 2018

► Short summary



09 Nov 2018

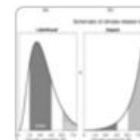
ESD Ideas: Propagation of high-frequency forcing to ice age dynamics

Mikhail Y. Verbitsky, Michel Crucifix, and Dmitry M. Volobuev

Earth Syst. Dynam. Discuss., <https://doi.org/10.5194/esd-2018-77>, 2018

Revised manuscript under review for ESD (discussion: final response, 4 comments)

► Short summary



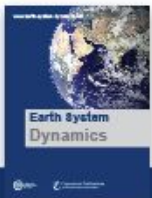
04 Oct 2018

ESD Ideas: a simple proposal to improve the contribution of IPCC WGI to the assessment and communication of climate change risks

Rowan T. Sutton

Earth Syst. Dynam., 9, 1155-1158, <https://doi.org/10.5194/esd-9-1155-2018>, 2018

► Short summary



Feedback or Questions about

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Or here at EGU this week (Axel Kleidon)

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CWTS **IPP 4.28**

 **h5-index 40**

SJR **Scimago H index 51**

► Definitions

Highlight articles

03 Apr 2019

Terrainbento 1.0: a Python package for multi-model analysis in long-term drainage basin evolution

Katherine R. Barnhart, Rachel C. Glade, Charles M. Shobe, and Gregory E. Tucker
Geosci. Model Dev., 12, 1267-1297, <https://doi.org/10.5194/gmd-12-1267-2019>, 2019

► [Short summary](#)

27 Mar 2019

Devito (v3.1.0): an embedded domain-specific language for finite differences and geophysical exploration

Mathias Louboutin, Michael Lange, Fabio Luporini, Navjot Kukreja, Philipp A. Witte, Felix J. Herrmann, Paulius Velesko, and Gerard J. Gorman
Geosci. Model Dev., 12, 1165-1187, <https://doi.org/10.5194/gmd-12-1165-2019>, 2019

► [Short summary](#)

08 Mar 2019

The Open Global Glacier Model (OGGM) v1.1

Fabien Maussion, Anton Butenko, Nicolas Champollion, Matthias Dusch, Julia Eis, Kévin Fourteau, Philipp Gregor, Alexander H. Jarosch, Johannes Landmann, Felix Oesterle, Beatriz Recinos, Timo Rothenpieler, Anouk Vlug, Christian T. Wild, and Ben Marzeion

Geosci. Model Dev., 12, 909-931, <https://doi.org/10.5194/gmd-12-909-2019>, 2019

► [Short summary](#)

10 Dec 2018

ESM-SnowMIP: assessing snow models and quantifying snow-related climate feedbacks

Gerhard Krinner, Chris Derksen, Richard Essery, Mark Flanner, Stefan Hagemann, Martyn Clark, Alex Hall, Helmut Rott, Claire Brutel-Vuilmet, Hyungjun Kim, Cécile B. Ménard, Lawrence Mudryk, Chad Thackeray, Libo Wang, Gabriele Arduini, Gianpaolo Balsamo, Paul Bartlett, Julia Boike, Aaron Boone, Frédérique Chéruy, Jeanne Colin, Matthias Cuntz, Yongjiu Dai, Bertrand Decharme, Jeff Derry, Agnès Ducharme, Emanuel Dutra, Xing Fang, Charles Fierz, Josephine Ghattas, Yeugeniy Gusev, Vanessa Haverd, Anna Kontu, Matthieu Lafaysse, Rachel Law, Dave Lawrence, Weiping Li, Thomas Marke, Danny Marks, Martin Ménégoz, Olga Nasonova, Tomoko Nitta, Masashi Niwano, John Pomeroy, Mark S. Raleigh, Gerd Schaedler, Vladimir Semenov, Tanya G. Smirnova, Tobias Stacke, Ulrich Strasser, Sean Svenson, Dmitry Turkov, Tao Wang, Nander Wever, Hua Yuan, Wenyan Zhou, and Dan Zhu

Geosci. Model Dev., 11, 5027-5049, <https://doi.org/10.5194/gmd-11-5027-2018>, 2018

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Questions?

Talk to me ... or:

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Other EGU activities

Other EGU activities

- Galileo conferences
- Conference series
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- Geosciences for Teachers (GIFT)
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- ... and more!



Bleeding Iceberg on the Eastcoast of Svalbard by Erik Kuschel

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1 – 20 Jun 2019	Call-for-skeleton. Sub-programme structure only
24 Jun – 15 Aug 2019	Public call for GDB and US
24 Jun – 5 Sep 2019	Public call-for-sessions, incl SC
9 Sep – 9 Oct 2019	Session programme finalization
9 Oct 2019	PC Meeting Ismaning
1 Dec 2019	Support application deadline
15 Jan 2020	Abstract submission deadline

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