

Open publishing with EGU: new editorial practices for native open science

Denis-Didier Rousseau (Laboratoire de Météorologie Dynamique)

denis-didier.rousseau@lmd.ens.fr

June 2019



Denis-Didier Rousseau

Some data:

- Senior Research Scientists CNRS
- Adjunct Senior Research Scientist @ Lamont-Doherty Earth Observatory of Columbia University NY (1992-...)
- PI Equipex CLIMCOR (2012-2019)
- Fall Meeting Program Chair (2014-2016, 2017-2019) American Geophysical Union (AGU)
- President of EGU Climate Division (2009-2013)
- Elected member of PAGES (IGBP Past Global Changes Program) Science Steering Committee (2010 – 2015), elected ExCom member (2013-2015)
- ORCID#: 0000-0003-2475-3405

Paleoclimatology, paleoecology, paleodust cycle

*Co-founder and co-editor in chief of **Climate of the Past***

- 2017 Hans Oeschger Medal of the European Geosciences Union (EGU)
- 2012 Elected at Academia Europaea (Earth Sci.)
- 2008 Union Service Award of the European Geosciences Union (EGU)
- 2007 CNRS Silver Medal
- 2004 Humboldt-Gay Lussac Prize of the Alexander von Humboldt foundation
- NSF-CNRS Fellowship Award 1991
- NATO Fellowship Award 1990
- 1990 CNRS Bronze Medal

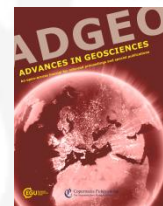
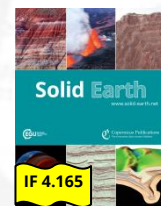
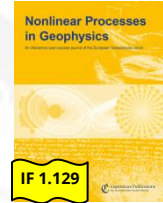
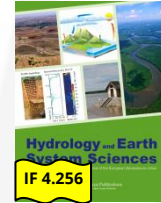
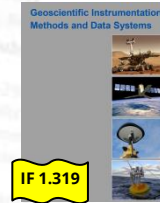
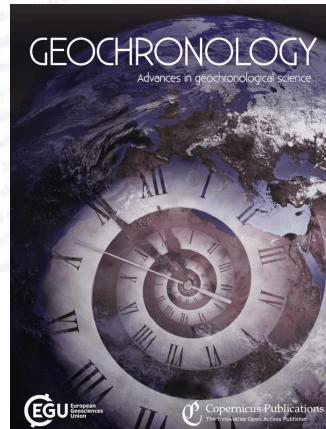


EGU journals

Some numbers

- 20 journals owned by EGU
- 5,000 articles in 2018
- 917 editors
- 9,000 referees
- 25,000 authors

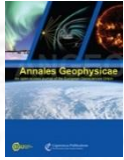
Newly
launched



Chronology of a success story



Launch



Launch



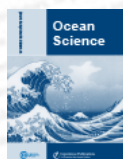
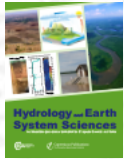
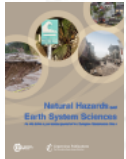
Launch



Launch



Launch



Launch



Launch



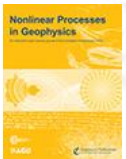
Launch



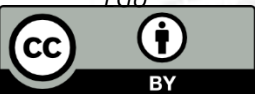
Launch



Launch



Transfer of ownership to EGU

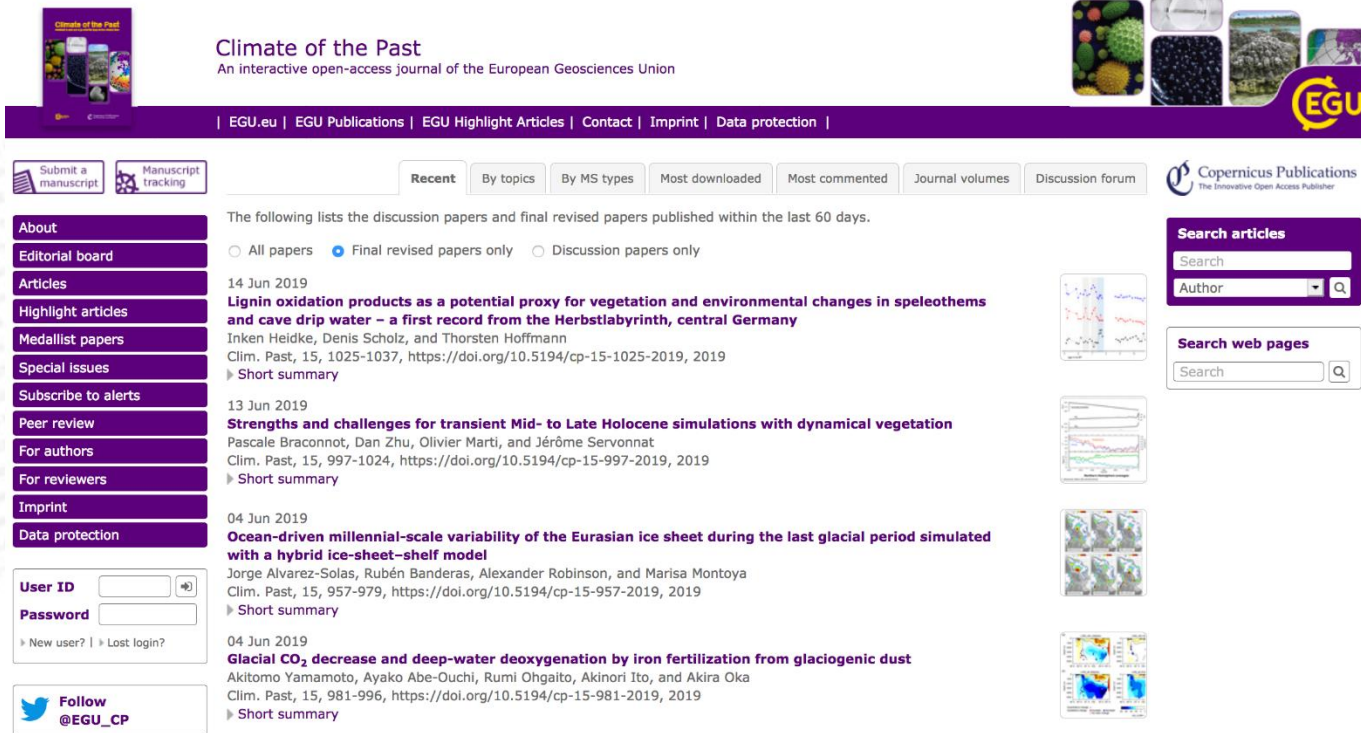


EGU interactive open access (IOA): the true new editorial practice in 3 main points

1. Since 2001, and for myself, since 2005, IOA= publishing all the articles directly online, implying for every reader, free of charge reading and downloading of all the manuscripts.
2. IOA= Replacing the classical system by an open public forum of discussions in which everyone is able to take part.
3. IOA= Replacing the blind and obscure way of reviewing by an open and eponymous review procedure, even by including the public.

EGU interactive open access (IOA): the true new editorial practice in 3 main points

1. Open access to reading and downloading



The screenshot displays the homepage of the journal "Climate of the Past". At the top, the journal title and its affiliation with the European Geosciences Union are shown. A navigation bar includes links for EGU Publications, Highlight Articles, Contact, Imprint, and Data protection. Below this, there are buttons for "Submit a manuscript" and "Manuscript tracking". The main content area features a list of recent articles with filters for "Recent", "By topics", "By MS types", "Most downloaded", "Most commented", "Journal volumes", and "Discussion forum". The article list includes titles such as "Lignin oxidation products as a potential proxy for vegetation and environmental changes in speleothems and cave drip water" and "Strengths and challenges for transient Mid- to Late Holocene simulations with dynamical vegetation". On the right side, there are search boxes for "Search articles" and "Search web pages". A sidebar on the left contains navigation links for "About", "Editorial board", "Articles", "Highlight articles", "Medallist papers", "Special issues", "Subscribe to alerts", "Peer review", "For authors", "For reviewers", "Imprint", and "Data protection". At the bottom left, there is a user login section with fields for "User ID" and "Password", and a "Follow @EGU_CP" button with a Twitter icon. The EGU logo is visible in the top right corner.

Climate of the Past
An interactive open-access journal of the European Geosciences Union

EGU.eu | EGU Publications | EGU Highlight Articles | Contact | Imprint | Data protection |

Submit a manuscript | Manuscript tracking

Recent | By topics | By MS types | Most downloaded | Most commented | Journal volumes | Discussion forum

The following lists the discussion papers and final revised papers published within the last 60 days.

All papers Final revised papers only Discussion papers only

14 Jun 2019
Lignin oxidation products as a potential proxy for vegetation and environmental changes in speleothems and cave drip water – a first record from the Herbstlabyrinth, central Germany
Inken Heidke, Denis Scholz, and Thorsten Hoffmann
Clim. Past, 15, 1025-1037, <https://doi.org/10.5194/cp-15-1025-2019>, 2019
► Short summary

13 Jun 2019
Strengths and challenges for transient Mid- to Late Holocene simulations with dynamical vegetation
Pascale Braconnot, Dan Zhu, Olivier Marti, and Jérôme Servonnat
Clim. Past, 15, 997-1024, <https://doi.org/10.5194/cp-15-997-2019>, 2019
► Short summary

04 Jun 2019
Ocean-driven millennial-scale variability of the Eurasian ice sheet during the last glacial period simulated with a hybrid ice-sheet-shelf model
Jorge Alvarez-Solas, Rubén Banderas, Alexander Robinson, and Marisa Montoya
Clim. Past, 15, 957-979, <https://doi.org/10.5194/cp-15-957-2019>, 2019
► Short summary

04 Jun 2019
Glacial CO₂ decrease and deep-water deoxygenation by iron fertilization from glaciogenic dust
Akitomo Yamamoto, Ayako Abe-Ouchi, Rumi Ohgaito, Akinori Ito, and Akira Oka
Clim. Past, 15, 981-996, <https://doi.org/10.5194/cp-15-981-2019>, 2019
► Short summary

Search articles
Search
Author

Search web pages
Search

User ID
Password
► New user? | ► Lost login?

Follow @EGU_CP



EGU interactive open access (IOA): the true new editorial practice in 3 main points

2. Replacing the classical system by an interactive forum



Research article

Article

Peer review

Metrics

Related articles

07 Jan 2019

Search

Author

Extreme droughts and human responses to them: the Czech Lands in the pre-instrumental period

Rudolf Brázdil et al.

Download

- Final revised paper (published on 07 Jan 2019)
- Discussion paper (published on 16 Oct 2018)

Interactive discussion

Status: closed

AC: Author comment | RC: Referee comment | SC: Short comment | EC: Editor comment

- Printer-friendly version - Supplement

RC1: 'Review of Brazdil et al. manuscript "Extreme droughts and human responses to them: the Czech Lands in the pre-instrumental period"', David Nash, 28 Oct 2018

└ AC1: 'RC1 - responses', Rudolf Brazdil, 08 Dec 2018

RC2: 'Chapter 4: Reliability of the sources', Christian Rohr, 13 Nov 2018

└ AC2: 'RC2 - response', Rudolf Brazdil, 08 Dec 2018

RC3: 'Additional (enlarged) comment by RC2 on Brázdil, R. et al: Extreme droughts and human responses to them: the Czech Lands in the pre-instrumental period', Christian Rohr, 14 Nov 2018

└ AC3: 'RC3 - responses', Rudolf Brazdil, 08 Dec 2018

└ RC4: 'Short comment to the authors's response to RC3', Christian Rohr, 09 Dec 2018

└ AC4: 'RC4 response', Rudolf Brazdil, 12 Dec 2018

Peer review completion

AR: Author's response | RR: Referee report | ED: Editor decision

ED: Publish as is (12 Dec 2018) by Andrea Kiss

Special issue

Droughts over centuries: what can documentary evidence tell...

Download



Short summary

The paper analyses extreme droughts of the pre-instrumental period (1501–1803) over the...

[▶ Read more](#)

Citation

- BibTeX
- EndNote

Share



EGU interactive open access (IOA): the true new editorial practice in 3 main points



Research article

16 May 2019

Varying regional $\delta^{18}\text{O}$ -temperature relationship in high-resolution stable water isotopes from east Greenland

Christian Holme et al.

Download

- Final revised paper (published on 16 May 2019)
- Discussion paper (published on 13 Dec 2018)

Interactive discussion

Status: closed

AC: Author comment | RC: Referee comment | SC: Short comment | EC: Editor comment

- Printer-friendly version - Supplement

RC1: 'Review of a manuscript "Varying regional $\delta^{18}\text{O}$ -temperature relationship in high resolution stable water isotopes from East Greenland" by Holme et al.', Dmitry Divine, 09 Jan 2019

AC1: 'Response to reviewers', Christian Holme, 24 Apr 2019

RC2: 'The review of manuscript "Varying regional $\delta^{18}\text{O}$ -temperature relationship in high resolution stable water isotopes from East Greenland" by Christian Holme and others', Anonymous Referee #2, 15 Jan 2019

AC1: 'Response to reviewers', Christian Holme, 24 Apr 2019

SC1: 'access to data & a similar study for potential consideration', Zoltán Kern, 18 Jan 2019

AC1: 'Response to reviewers', Christian Holme, 24 Apr 2019

AC2: 'Revised manuscript', Christian Holme, 24 Apr 2019

Peer review completion

AR: Author's response | RR: Referee report | ED: Editor decision

ED: Publish as is (29 Apr 2019) by Elizabeth Thomas

AR by Christian Holme on behalf of the Authors (29 Apr 2019) Author's response Manuscript

Article Assets Peer review Metrics Related articles

Search articles

Search

Author

Download



Short summary

This study investigates the linear relationship between the water isotopes of three East...

Read more

Citation

- BibTeX
- EndNote

Share



2. Replacing the classical system by an interactive forum



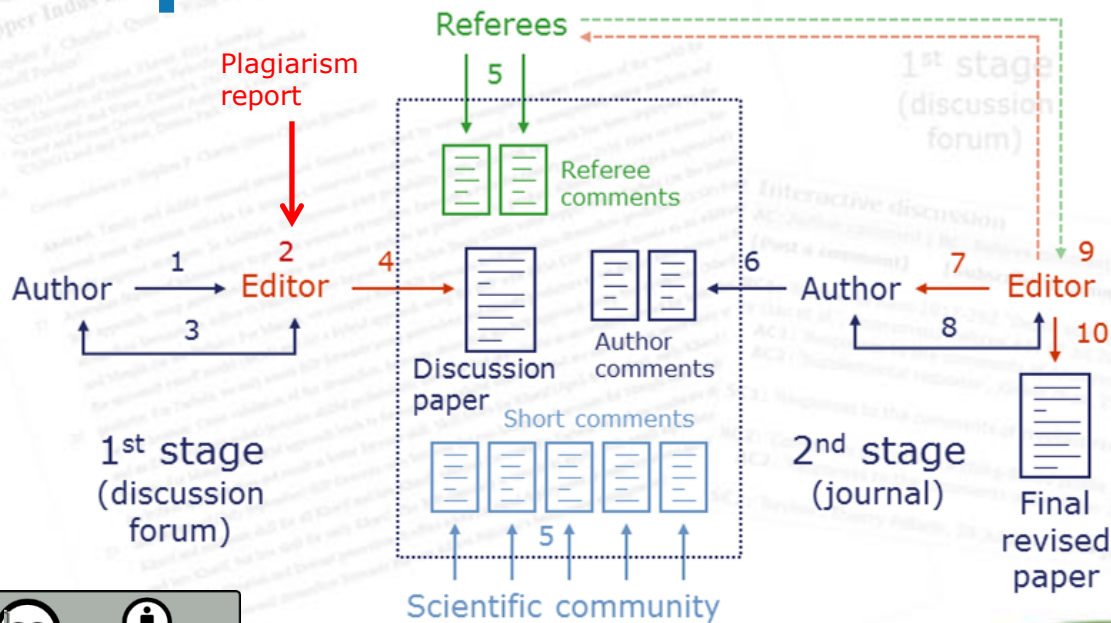
EGU interactive open access (IOA): the true new editorial practice in 3 main points

2. Replacing the classical system by an interactive forum

- Designed to foster scientific discussion and to enhance quality assurance through **transparency** during peer review
- Reduction of rejection rates through better submissions = preserving reviewer capacities
- By July 2017: 127,598 comments posted in 27,229 discussions **prior** to publication

EGU interactive open access (IOA): the true new editorial practice in 3 main points

3. Open access to the review



Access to **reviewer** reports & **author's** replies – comment **yourself**

EGU interactive open access (IOA): chief editor experience

- Be among the pioneers
- Copyright: author retains the copyright under Creative Commons attribution 4.0 licence
- Open access to reviewer reports and comments by the community+ Author's revision, peer-review completion, and final journal publication
- Opportunity to develop different types of SI
- An on-going process through the EGU Pub Com with Copernicus: Submitted manuscript posted as discussion paper without any typesetting and proofreading with a citation header added by Copernicus



EGU interactive open access (IOA): chief editor experience

EGU cares about ethics and FAIR

- All journals are member of **COPE**
- All journals received the **DOAJ seal**
- An **ombudsman** for publications helps authors, referees, editors
- Executive editors are elected by the EGU council and are **not paid**
- Topical editors are appointed by the executive editors
- EGU fosters **gender balance**
- EGU ensures **internationality**

EGU interactive open access (IOA): chief editor experience

Climate of the Past is a special case among EGU portfolio as designed differently than the others:

- 4 chiefs covering the 4 main domains and rotating yearly as “primus inter pares”;
- No advisory board but direct link with the community;
- Mentorship of new editors recruited among ECS but also after monitoring closely the trend in the papers submitted;
- Be part of and contribute to a visionary trend.



Thank you very much for your attention

denis-didier.rousseau@lmd.ens.fr

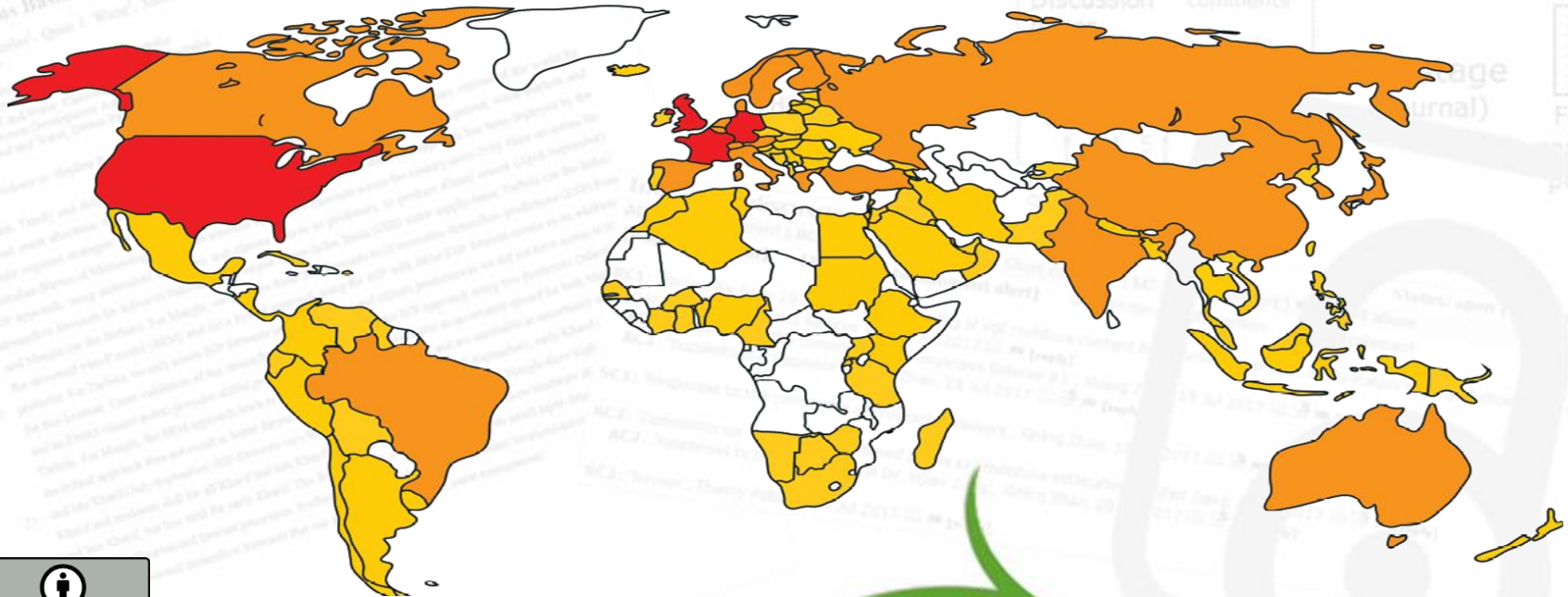


Distribution of authors, editors, and referees (2014)

■ 1,001–3,300 individuals

■ 101–1,000 individuals

■ 1–100 individuals



2017 publications year at a glance

- 3000 final-revised papers published, corresponding to some 50,000 pages.
- These papers were downloaded nearly 90,000 times.
- About 26,000 scientists published their work in 2017, 6% more than in 2016.
- Over 1,200 editors and close to 9,200 referees contributed.
- Across all publications, the time from submission to peer-reviewed publication was of about 190 days on avg.
- **17** EGU journals, **15** indexed in the SCIE
- **3,000** papers with **51,006** pages
- **16,894** comments in **4,134** discussions

