

## Chief editors

- Somnath Baidya Roy
- Axel Kleidon
- Anders Levermann
- Valerio Lucarini
- Ning Zeng

[esd-chief-editors@mailinglists.copernicus.org](mailto:esd-chief-editors@mailinglists.copernicus.org)

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Copernicus Publications  
Bahnhofsallee 1e  
37081 Göttingen  
Germany

Phone: +49 551 90 03 39 0

Fax: +49 551 90 03 39 70

[publications@copernicus.org](mailto:publications@copernicus.org)

<https://publications.copernicus.org>

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IF: 4.351 | 6 months to publish

# Earth System Dynamics

An interactive open-access journal of the European Geosciences Union



## Aims and scope

Earth System Dynamics (ESD) is a not-for-profit international scientific journal dedicated to the publication and public discussion of studies that take an interdisciplinary perspective of the functioning of the whole Earth system and global change.

The overall behaviour of the Earth system is strongly shaped by the interactions among its various component systems, such as the atmosphere, cryosphere, hydrosphere, oceans, pedosphere, lithosphere, and the inner Earth, but also by life and human activity.

ESD solicits contributions that investigate these various interactions and the underlying mechanisms, ways how these can be conceptualized, modelled, and quantified, predictions of the overall system behaviour to global changes, and the impacts for its habitability, humanity, and future Earth system management by human decision making.

## Manuscript types

- Research articles
- ESD Reviews
- ESD Ideas
- Peer-reviewed comments



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- final journal publication – fully peer-reviewed

- |                            |                                    |
|----------------------------|------------------------------------|
| 1. Submission              | 6. Final response                  |
| 2. Access review           | 7. Post-discussion editor decision |
| 3. Technical corrections   | 8. Revision                        |
| 4. MS posted in ESDD forum | 9. Peer-review completion          |
| 5. Public discussion       | 10. Final revised publication      |

## Example publications

### Community climate simulations to assess avoided impacts in 1.5 and 2 °C futures

B. M. Sanderson et al.

### River logjams cause frequent large-scale forest die-off events in southwestern Amazonia

U. Lombardo

### Towards representing human behavior and decision making in Earth system models – an overview of techniques and approaches

F. Müller-Hansen et al.

### The polar amplification asymmetry: role of Antarctic surface height

M. Salzmann

### Young people's burden: requirement of negative CO<sub>2</sub> emissions

J. Hansen et al.

