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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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- manuscript posted in the ESD discussion forum
- public discussion by the scientific community
- open access to referee reports
- post-discussion editor decision
- authors' revision and peer-review completion
- final journal publication – fully peer-reviewed

1. Submission

2. Access review

3. Technical corrections

4. MS posted in ESDD forum

5. Public discussion

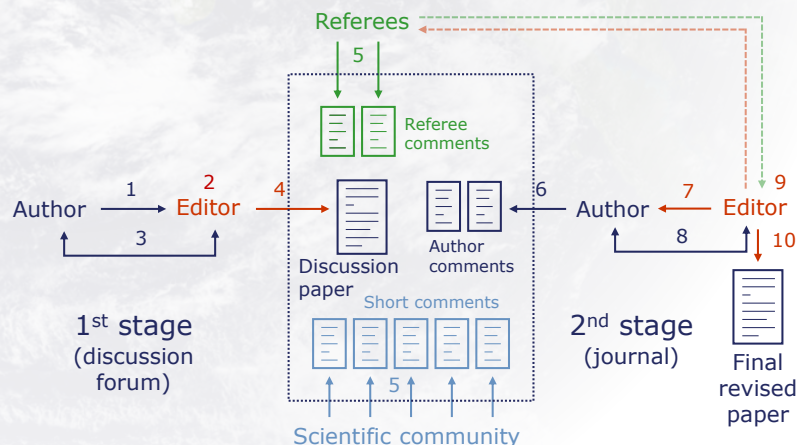
6. Final response

7. Post-discussion editor decision

8. Revision

9. Peer-review completion

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 CO₂ emissions

J. Hansen et al.

