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## Additional Information

**HESS** ISSN 1027-5606 • eISSN 1607-7938

**HESSD** ISSN 1812-2108 • eISSN 1812-2116

## Publisher

### Copernicus Publications

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## Journal Facts

- **ISI Impact Factor: 2.462**
- indexed in Current Contents, Science Citation Index Expanded (Web of Science), DOAJ, GeoRef, Scopus, and others
- e-archived with Portico

# Hydrology and Earth System Sciences

Interactive Open Access Journal

[www.hydrology-and-earth-system-sciences.net](http://www.hydrology-and-earth-system-sciences.net)



## Aims & Scope

**Hydrology and Earth System Sciences (HESS)** is an international journal for the publication of original research in hydrology, placed within a holistic Earth System Science context. In particular, **HESS** encourages and supports fundamental and applied research that seeks to understand the interactions between water, earth, ecosystems and man. A multi-disciplinary approach is encouraged that enables a broadening of the hydrologic perspective, and the advancement of hydrologic science through the integration with other cognate sciences, and the cross-fertilization across disciplinary boundaries. **HESS**, therefore, has the ambition to serve not only the community of hydrologists, but all earth and life scientists, water engineers and water managers, who wish to publish original findings on the interactions between hydrological processes and other physical, chemical, biological and societal processes within the earth system, and the utilization of this holistic understanding towards sustainable management of water resources, water quality and water-related natural hazards.

The scope of **HESS** therefore encompasses:

1. the role of physical, chemical and biological processes in the cycling of continental water in all its phases, including dissolved and particulate matter, at all scales, from the micro-scale processes of soil water to the global-scale processes underpinning hydro-climatology.
2. the study of the spatial and temporal characteristics of the global water resources (solid, liquid and vapour) and related budgets, in all compartments of the Earth System (atmosphere, oceans, estuaries, rivers, lakes and land masses), including water stocks, residence times, interfacial fluxes, and the pathways between various compartments.
3. the study of the interactions with human activity of all the processes, budgets, fluxes and pathways as outlined above, and the options for influencing them in a sustainable manner, particularly in relation to floods, droughts, desertification, land degradation, eutrophication, and other aspects of global change.

## Publication Policy

### Hydrology and Earth System Sciences (HESS):

- Publication of top-quality revised papers emerging from an innovative two-stage process of Public Peer-Review and Interactive Public Discussion.
- Free online access to all articles following the Open Access publication model.
- Moderate service charges depending on the submitted file category (becomes effective with publication in HESSD).
- No extra charges for colour illustrations and supplementary material, e.g. movies, data sheets.
- Authors keep copyright. Papers are published under the Creative Commons Attribution License.
- Long term archiving & e-archiving and indexing in scientific databases & search engines worldwide.
- Efficient new way of publishing special issues.
- Moderate charges for printed issues.

### Hydrology and Earth System Sciences Discussions (HESSD):

- Rapid publication of high quality manuscripts as discussion papers, freely accessible.
- Papers undergo access review and technical corrections before publication.
- Interactive Public Discussion: immediate publication of referee comments, author comments and short comments alongside the discussion paper.
- Individual citability of all discussion papers and interactive comments.