

Extremes: Statistical Theory and Applications in Science, Engineering and Economics

Call for Papers for Special Issue on *Statistical modeling of environmental extremes*

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Research in environmental statistics (hydrology, climate, etc) has been a fertile area for the application of the statistical theory of extreme values for many decades. In fact, several original developments in the theory were motivated by problems in environmental science or closely related fields. Currently, there is renewed interest in applications of extreme value theory to multivariate, temporal, spatial or both, environmental datasets. Moreover, a number of recent developments in extremal methods have not yet been fully exploited in such applications (e.g., incorporation of covariates).

The journal *Extremes* (<https://link.springer.com/journal/10687>) plans to publish a special issue devoted to the topic of the “*Statistical modeling of environmental extremes.*” Original unpublished manuscripts are solicited. Topics of interest related to environmental statistics, but are not limited to:

- Estimating risk measures and return levels under non-stationarity
- Incorporation of geophysically-based covariates in extremal modeling
- Multivariate extremes (e.g. dimension reduction or/and clustering)
- Change of scales (e.g., downscaling) extremes, Detection and Attribution
- Spatio-temporal fields of extremes
- Dynamical extremes
- Forecast of extremes and their assessments (e.g. from machine learning approaches)

All manuscripts should include a substantive application to environmental statistics or a closely related area.

Notes for Prospective Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. All papers will be refereed through the regular peer review process for *Extremes*, see <http://www.editorialmanager.com/extr/default.aspx>

Please notify the Guest Editors by email of your intention to submit a manuscript, providing at least a tentative title.

Deadlines

Intent to submit manuscript: *15th of February 2019*

Manuscript submission: *15th of June 2019*

Our publication target date for accepted papers is the end of the year 2019

Extremes

Statistical Theory and Applications in Science,
Engineering and Economics

Editor-in-Chief: Mikosch, Th.

ISSN: 1386-1999 (print version)

ISSN: 1572-915X (electronic version)

Journal no. 10687