

India Spatial Statistics 2021: Climate and the Environment
20 – 23 July 2021 | University of Colorado Boulder, USA



Conference Overview²

The **Elsevier** Information and Analytics Company and the **Spatial Statistics Society** have announced the **6th Spatial Statistics** conference to be held at the University of Colorado, Boulder, USA, from 20 – 23 July 2021, under the theme **Climate and the Environment**. Within the context of conceptualizing the dynamic and continuously evolving (at many spatiotemporal scales) nature of the environment and its interaction with the sphere of socioeconomic activity, the conference aspires to provide a forum to debate and discuss how spatially referenced data can be used to advance the understanding and provide support for decision making, in the domain of Earth system dynamics. The major focus of the conference will be on the climate change dynamics and their causes, effects, and future. The conference will conceptualize Earth as a *unified system* described by interconnection between physical and biological spheres and human activities.

The conference accepts oral and poster abstracts on the topics listed (but are not limited to) below:

Methods

- Space-time statistics, e.g. geostatistics, point patterns, estimation methods, large dimensions
- Spatial deep learning
- Inverse modeling
- Modeling of extremes
- Stochastic geometry, tessellation, point processes, random sets
- Causal statistical modeling
- Trajectory/movement modeling

Applications

- Climate system modeling and observations
- Health e.g. epidemiology, geohealth and global health
- Spatially-Explicit Ecological Models
- Plant and animal epidemiology
- Quantifying the spatial extent of hazards and risk
- Crime and poverty mapping
- Space/time econometrics
- Interface of Neural Computing and Spatial/Spatio-Temporal Statistics
- Inferring Movement and Behavior from Telemetry

Abstracts should be submitted using the online abstract submission system until 15 January 2021 and the registration deadline is until 30 April 2021. There is also an early bird registration option available until 30 April 2021.

The conference will be in line with the protocols set by the World Health Organization, national and local health authorities, and Elsevier's COVID-19 Resource Centre and declares adaptability to the dynamic environment due to the uncertainty of the pandemic. Within this context the organizers assure a refunding of registration fees, with no penalty, for cancelations due to the uncertainty of the outbreak.

More details on this conference, as well as information about the Program, the Committee, the submission guidelines, the COVID-19 protocols, the Exhibitors & sponsors, the Location, and more can be found at the official webpage

<https://www.elsevier.com/events/conferences/spatial-statistics>.

² Conference overview edited by Dimitrios Tsiotas, RSII