



# CALL FOR PAPERS

**ICCSMP 2022**  
**May 03-04, 2022**  
**Rome, Italy**

The International Research Conference is a federated organization dedicated to bringing together a significant number of diverse scholarly events for presentation within the conference program. Events will run over a span of time during the conference depending on the number and length of the presentations.

ICCSMP 2022 : International Conference on Climate System Modeling and Prediction is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Climate System Modeling and Prediction. The conference will bring together leading academic scientists, researchers and scholars in the domain of interest from around the world. Topics of interest for submission include, but are not limited to:

Climate system modeling  
History of climate and weather modeling  
Climate models and their evaluation  
Stochastic climate theory and modeling  
Calculating the weather  
Chaos and complexity science  
Typology of climate models  
Earth system modeling and the computational limits

Epistemic status of climate models  
Assessing model skill  
Computational climate modeling  
Development and calibration of algorithmic models  
Programming models and the role of domain-specific languages  
Performance understanding and performance portability to newer hpc systems  
Leveraging computational heterogeneity for acceleration  
Design space exploration of parameter spaces for models and its trade-offs