



Extreme Climate Events in France

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Message from the Guest Editor

Extreme climate events in France are unusual phenomena and, consequently, are very difficult to take into account in climate models and in the risk reduction policies of states. Since the early 2000s, France has experienced many extreme climate events whose socio-economic impact has caused major national disasters. Because of their exceptional nature and the human and material losses they cause, these extreme events are often perceived by the media, politicians, and public opinion as "unforeseen", and they are in a phase of increase and intensification linked to climate change. This Special Issue therefore aims to study these phenomena from a global perspective by concurrently integrating the historical, statistical, modeling, and socio-economic dimensions of these devastating phenomena, in both metropolitan France and its overseas territories. As a result, it is of interest to experts in climate science as well as economics and social sciences. In terms of topics, this Special Issue will successively address the issue of modeling these phenomena, their cost to society, lessons learned from the past as tools of resilience, and strategies for reducing and preventing these risks.





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Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

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