

## **Open Call for Self-Nomination for the Membership of the Global Extremes Platform (GEP) Working Group on Event Attribution**

### **GEP overview**

The Global Extremes Platform (GEP) builds upon and integrates activities on weather and climate extremes across WCRP. It is designed to contribute to improving the delivery of science, information, and data concerning extremes. To achieve this, GEP is developing a public-facing database that offers global extreme indices data products derived from station observations, reanalysis products, and model simulations. GEP is also establishing a Working Group on Event Attribution, which aims to develop expert guidance to ensure event attribution information, particularly in an operational context, is clear, robust, and consistent.

GEP centers on three main themes:

- Extreme Indices
- Event Attribution
- Assessment of Weather and Climate Extremes

### **Working Group on Event Attribution**

Event attribution is the process of determining how anthropogenic influence on the climate has changed the likelihood or magnitude of an extreme weather event. There is an increasing demand for event attribution information, including operationally (supporting technical infrastructure and capability to provide results shortly after an event), in the context of loss and damage, and to support international activities monitoring the state of the global climate and impacts of climate change. Although many operational event attribution systems exist, with more in development, there is a wide range in the structure of these systems and in the scale and type of information they provide. There is also a range of scientific and technical challenges in the application of attribution to many types of extreme weather.

The World Climate Research Program (WCRP) has the mandate to coordinate and facilitate international climate research to develop, share, and apply climate knowledge that contributes to societal well-being.

The Working Group on Event Attribution aims to support activities that will:

- Provide best practice guidelines to ensure that event attribution information globally, particularly in an operational context, is clear, robust, traceable, and consistently interpreted
- Increase the capacity for event attribution in the Global South and underrepresented regions

To achieve this, the Working Group will:

1. Provide strategic direction for collaboration on event attribution to support clear and consistent delivery of information in a services context
2. Conduct a critical assessment of existing literature and practices and develop technical guidance on the methods, limitations, and interpretation of event attribution, and associated uncertainties, for World Meteorological Organization (WMO) members and the broader community
3. In conjunction with other GEP and WCRP efforts, encourage and facilitate the sharing of data and resources to increase the capacity of event attribution services in more regions and for more events
4. Contribute to capacity-development by facilitating sharing of knowledge, methods, and data
5. Lead strategic discussion within the community on the gaps in and priorities for event attribution research, as well as on setting the research agenda, which includes the development of new approaches to overcome existing limitations where needed.

### **How to apply**

Apply by **July 7, 2024** by sending your application document including a 1-page CV and a half-page motivation statement as a single PDF file to the GEP Support Unit ([GEP-SU@nuist.edu.cn](mailto:GEP-SU@nuist.edu.cn)).

Please name the PDF file as: "Event\_Attribution\_Membership\_Application\_[Name].pdf".

### **Remuneration**

These are voluntary, unpaid roles.

### **Term**

The initial term length is 4 years, with the possibility to renew twice, each time for an additional two years.

### **Diversity and Inclusion**

We welcome applications from individuals who can provide expertise in event attribution, or can provide a bridge to relevant or related disciplines including, but not limited to, statistical methods, social sciences, capacity building, or climate impacts research. Regional representation will be a priority, with the expectation that selected members will act as conduits for event attribution efforts in their region. Early career researchers (ECRs), women, gender-diverse individuals, and representatives from emerging economies are particularly encouraged to apply.