# **What can we expect from dangerous weather phenomena in the future, and how should we adapt to this**

# The effects of climate change on extreme weather

The Norwegian Academy of Science and Letters, Drammensveien 78, Oslo.  
Tuesday September 3. 2019   
18:00 – 20:00

How does a changing climate affect extreme weather events? What will characterize a centenary flood or a centenary drought by the end of this century compared to the end of the last? Moreover, how often will such extreme weather events occur in the future? Are this summer's occurrence of extreme rainfalls and last year's drought just a taste of what we have in store, and if so, how should we adapt to this?

**Program**  
18:00 Welcome and background for today’s subject  
 Nils Chr. Stenseth, Chair of the Academy’s committee on Climate, Environment and

Recourses

18:15*How the distribution of weather events is changing with the changing climate*

Peter Stott, The Hadley Center, UK Met Office

18:45 *Hotter, drier and wetter summers. What will the future bring?*

Jana Sillmann, CICERO Center for Climate Research

19:05 *Some recent local high-impact weather events in Norway.*

*Do they fit in the "normal" distribution of weather events?*

Jørn Kristiansen, Norwegian Meteorological Institute

19:15 Paneldebate

Panel:

Speakers

Roar Skålin, Norwegian Meteorological Institute

One representative from The Norwegian Directorate for Civil Protection (DSB) (tbc)

One representative from The Norwegian Water Resources and Energy Directorate (NVE) (tbc)

20:00 End