

# **Extreme Climate Events in the Central Europe in the Context of Climate Change**

**V. Kveton, M. Zak**

Dept. of Climatology, Czech Hydrometeorological Institute, Prague, Czech Republic  
(vit.kveton@chmi.cz)

The main topic of the presentation is analysis of long-term temperature and precipitation time series with focus on occurrence of extreme events in the Czech Republic.

We analyze different air temperature parameters such as prevailing duration of daily average temperature above given thresholds, monthly dispersion of daily average temperatures and different characteristics that can be used for characterizing of extreme events occurrence.

Further we discuss some return periods for heavy precipitation events and their changes during last decades, as well.

Finally, model projections of extreme events occurrence in the near future from regional climate models will be presented and discussed.