

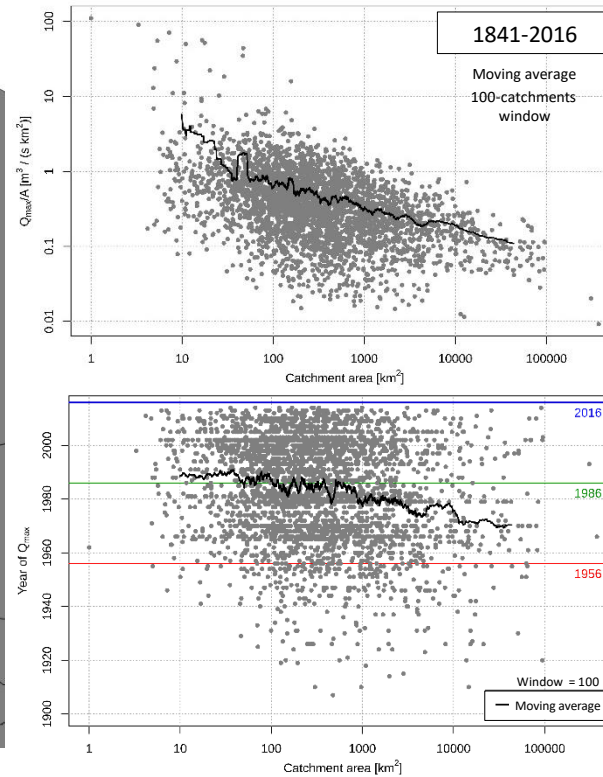
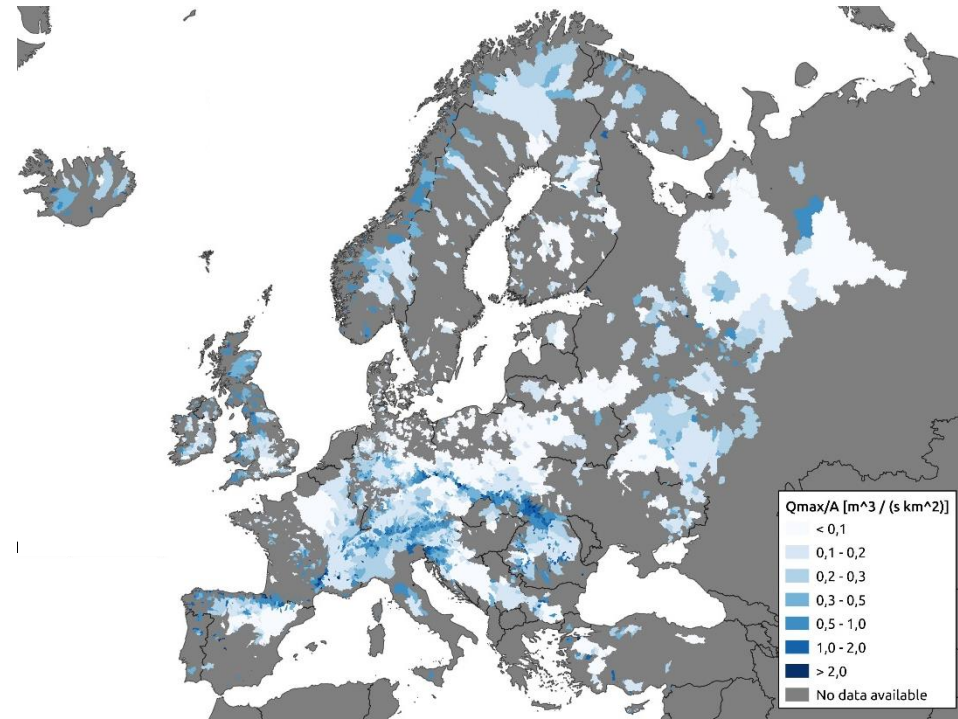
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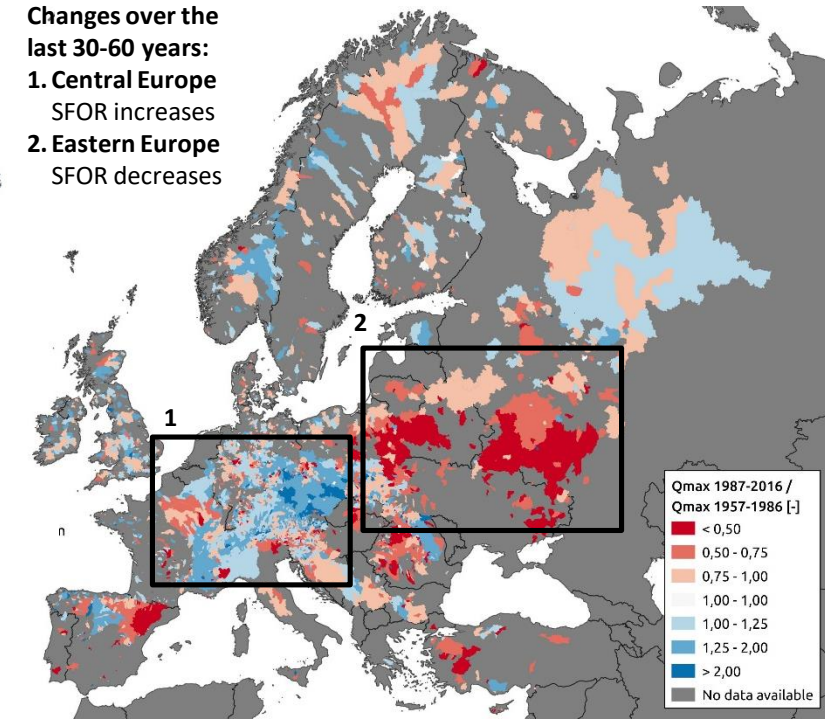
Scientific community is making an effort to understand **recent flood dynamics** in Europe:

- *Blöschl et al.* (2017, Science): clear patterns of change in flood timing (1960-2010)
- *Blöschl et al.* (2019, Nature): significant changes in flood magnitudes (1960-2010)

Aim of the study: to analyze the spatial and temporal variability of the **Specific Flood Of Record** ($SFOR = Q_{max}/A$) for a large dataset of annual maximum series of peak flow discharges observed in **1841-2016** for more than **3400** catchments across Europe.



Changes over the last 30-60 years:
 1. Central Europe SFOR increases
 2. Eastern Europe SFOR decreases



Conclusions: Visualization of significant changes and shifts of the flood of record occurred during the last decades: (1) years of occurrence of SFOR values are mainly concentrated in the last 30 years (i.e. 1987-2016), especially in the area of Central Europe, (2) smaller catchments show higher sensitivity to changes in flood dynamics.



For more information, please watch the short presentation at the following YouTube link:
<https://youtu.be/kBq9fJag9gs>

