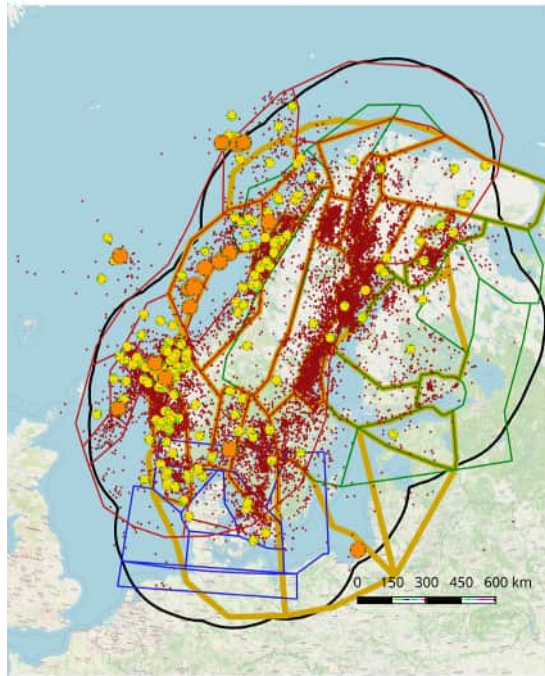


NKS NORDIC SMART

Seismic Source Zones (SSZs) and planned tasks in NKS

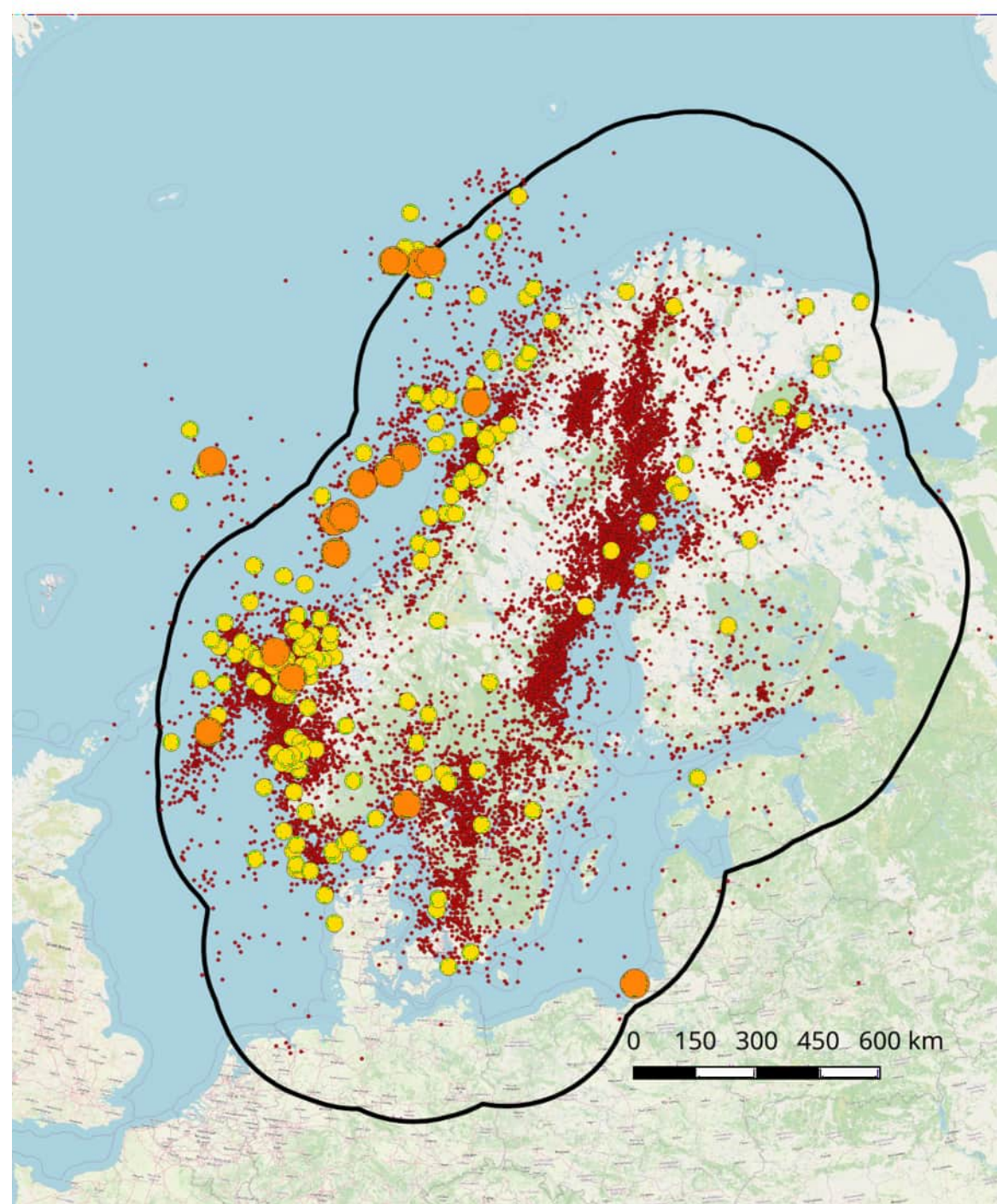


Björn Lund & Peter Voss
Uppsala University & GEUS

Seismic Source Zones

Geographical units for calculation of earthquake recurrence parameters.

Fencat &
SNSN data

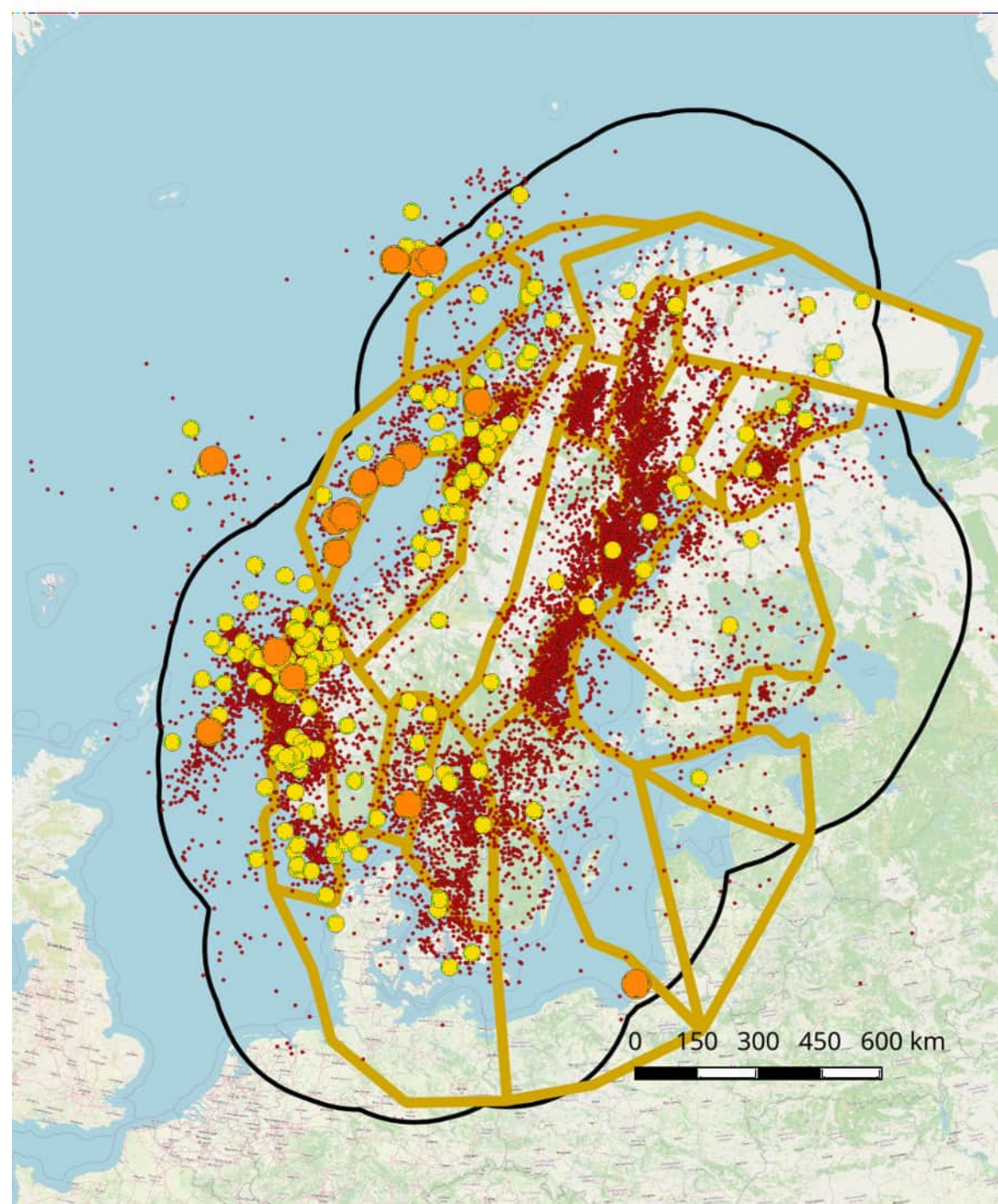


Seismic Source Zones

Geographical units for
calculation of earthquake
recurrence parameters.

Swedish zones

Fencat &
SNSN data

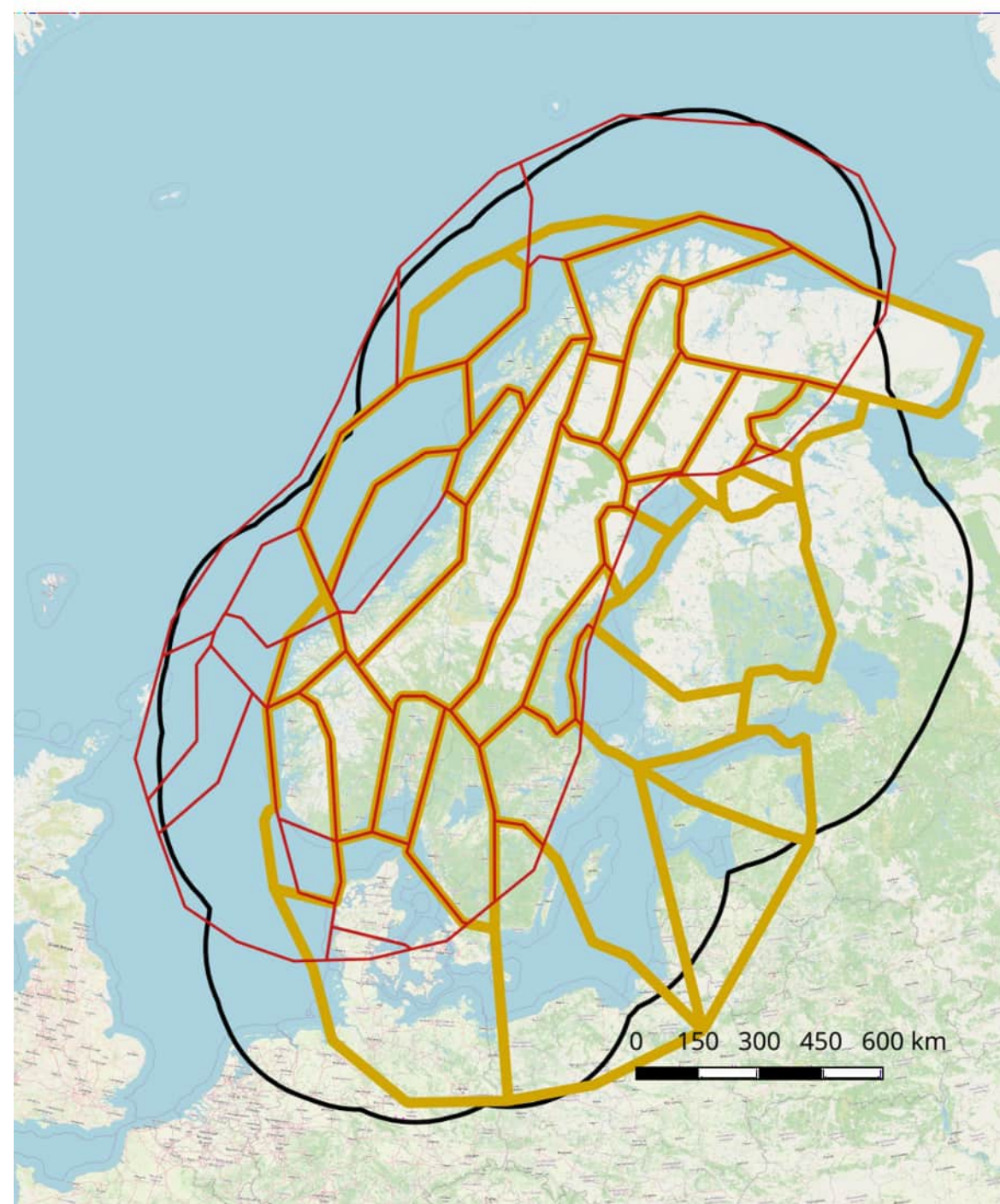


Seismic Source Zones

Geographical units for calculation of earthquake recurrence parameters.

Swedish and Norwegian zones

Fencat &
SNSN data

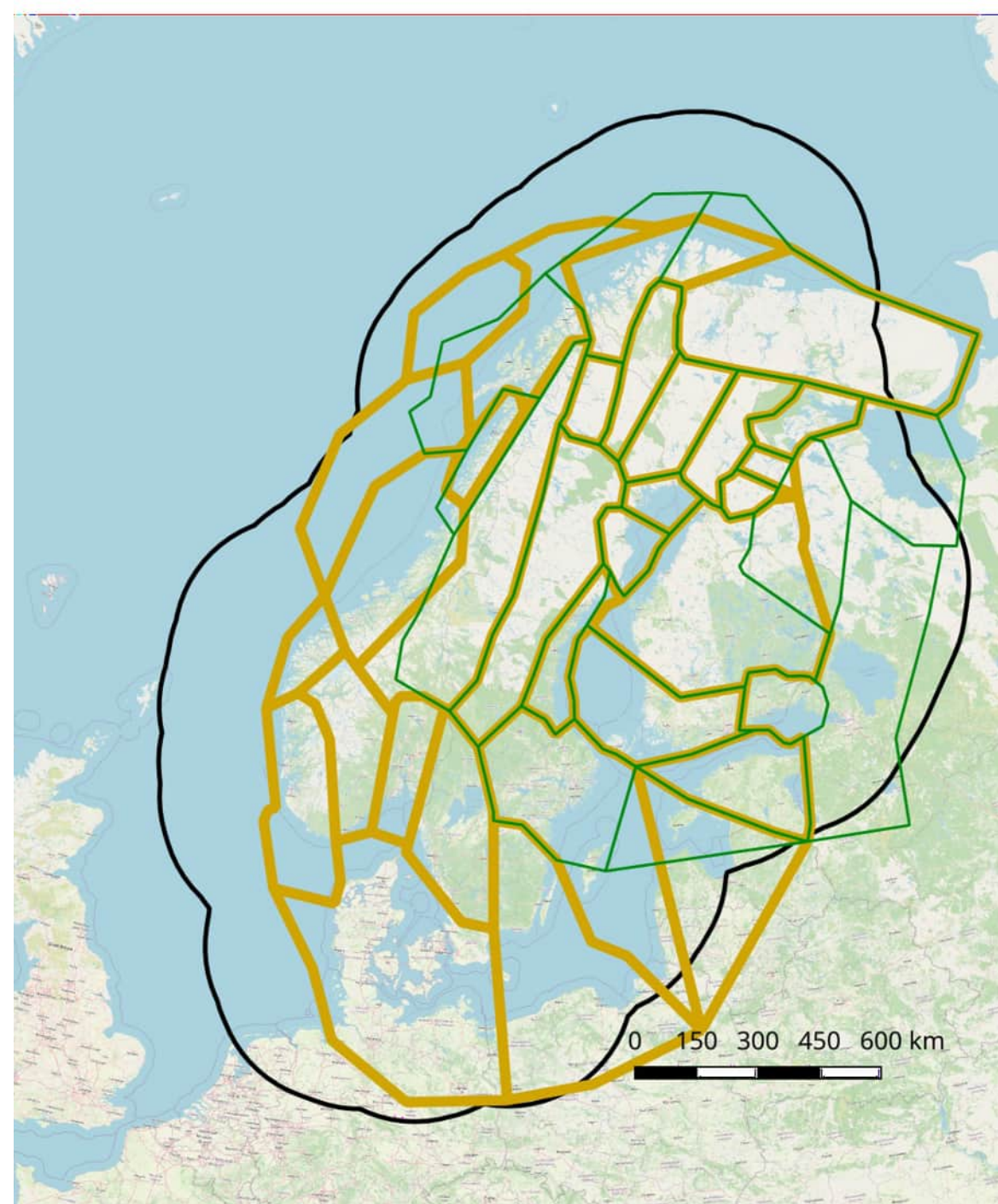


Seismic Source Zones

Geographical units for calculation of earthquake recurrence parameters.

Swedish and Finnish zones

Fencat &
SNSN data

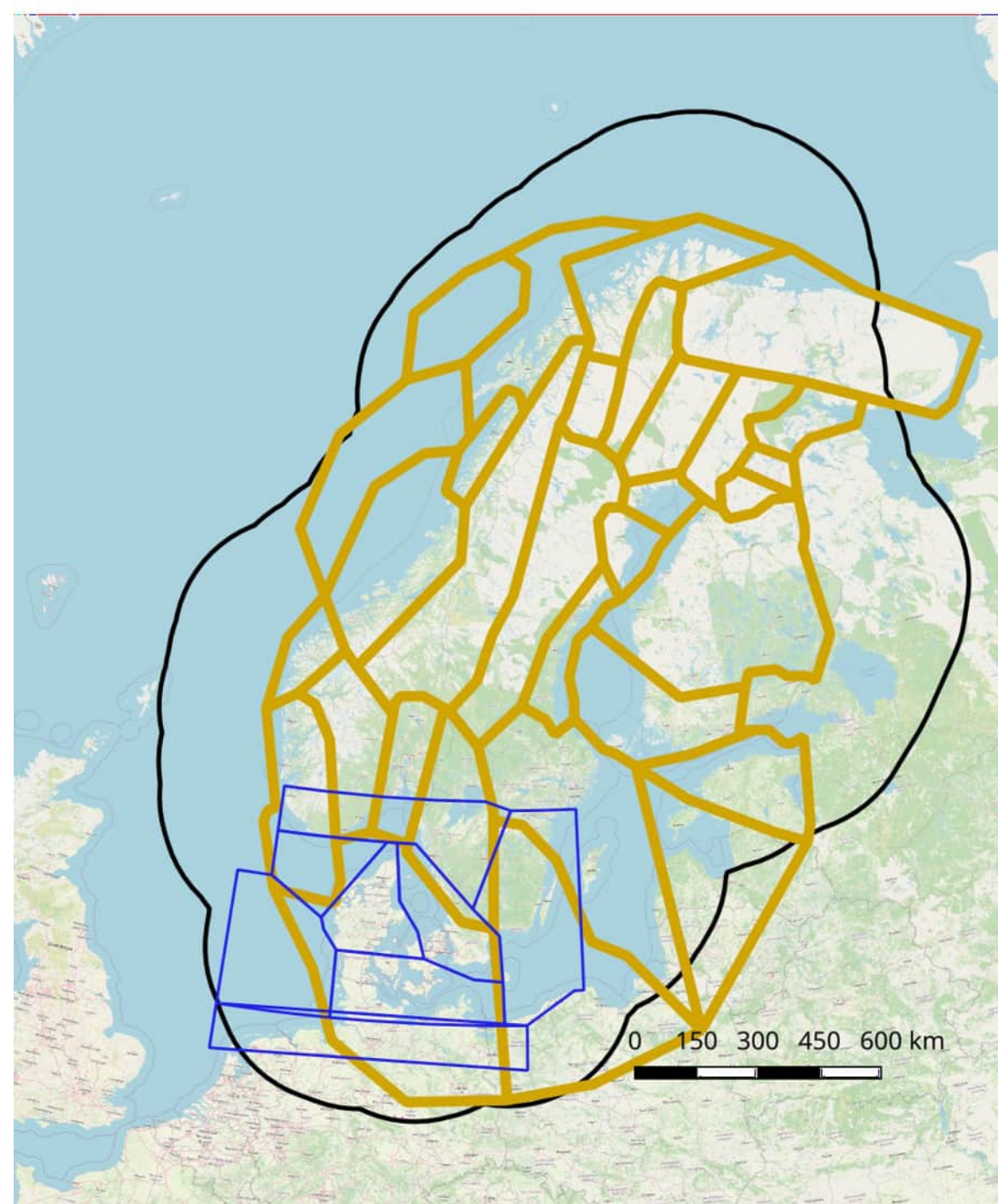


Seismic Source Zones

Geographical units for calculation of earthquake recurrence parameters.

Swedish and Danish zones

Fencat &
SNSN data

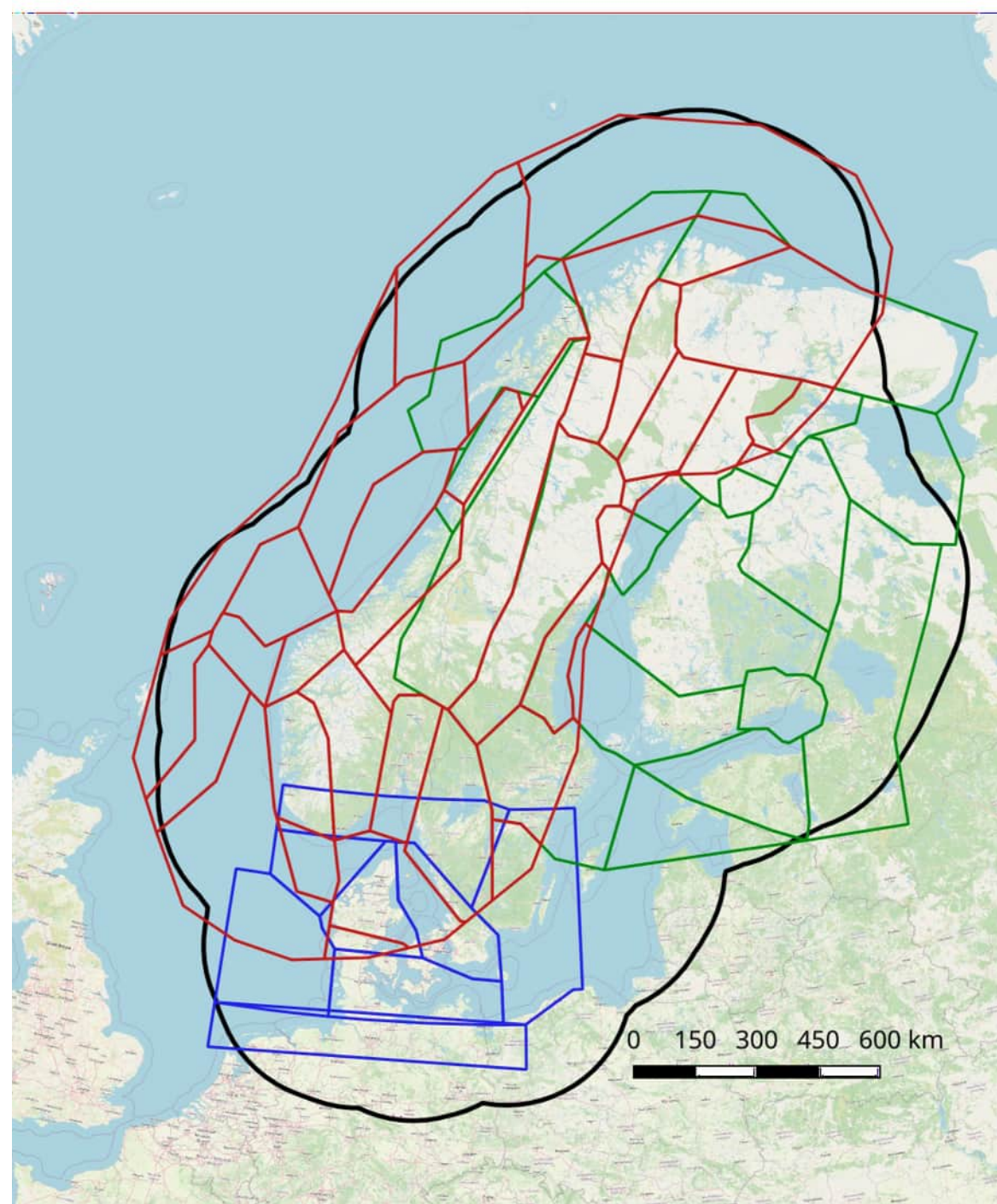


Seismic Source Zones

Geographical units for calculation of earthquake recurrence parameters.

Norwegian, Finnish and Danish zones

Fencat &
SNSN data

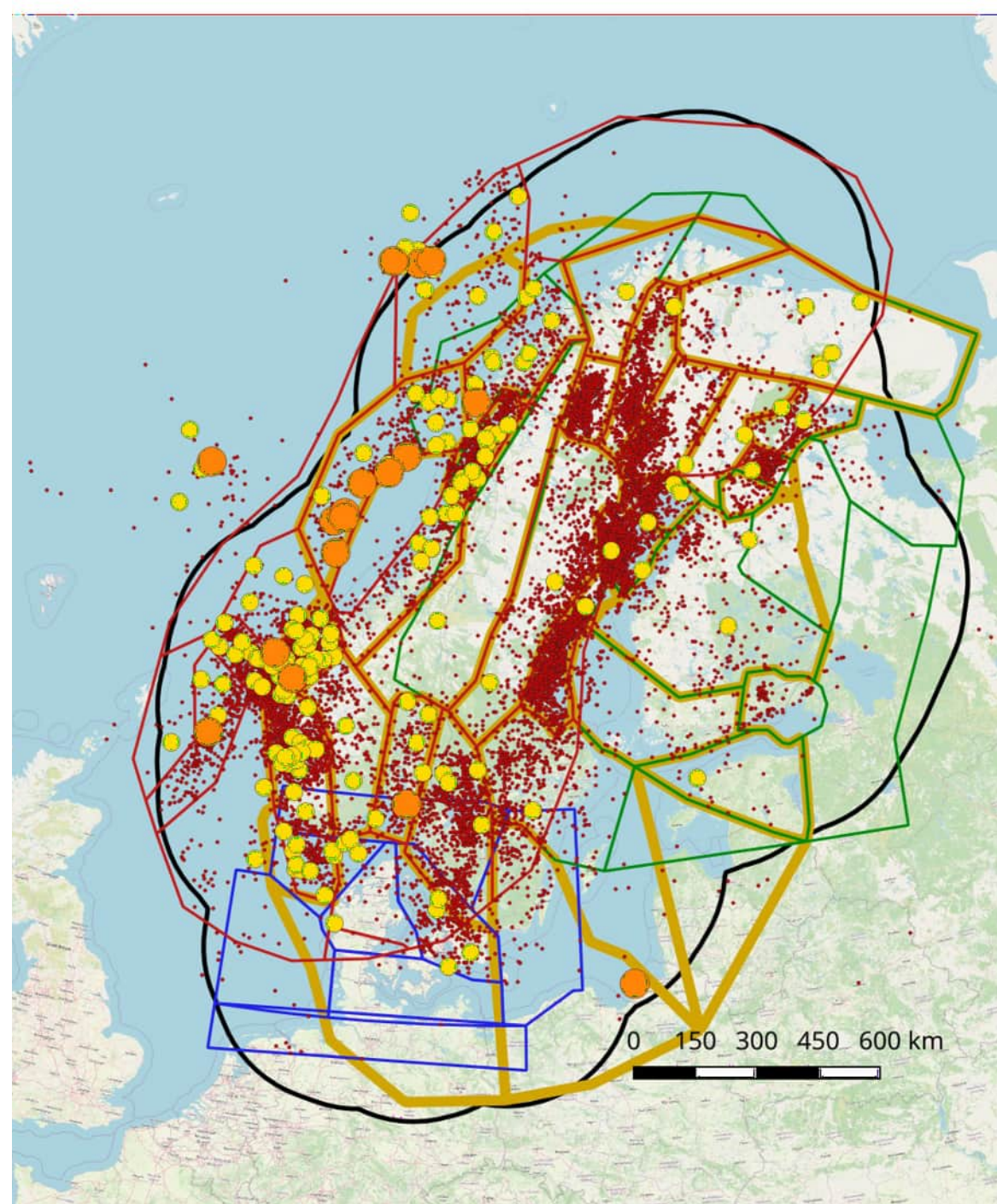


Seismic Source Zones

Geographical units for
calculation of earthquake
recurrence parameters.

All zones

Fencat &
SNSN data



Seismic Source Zones

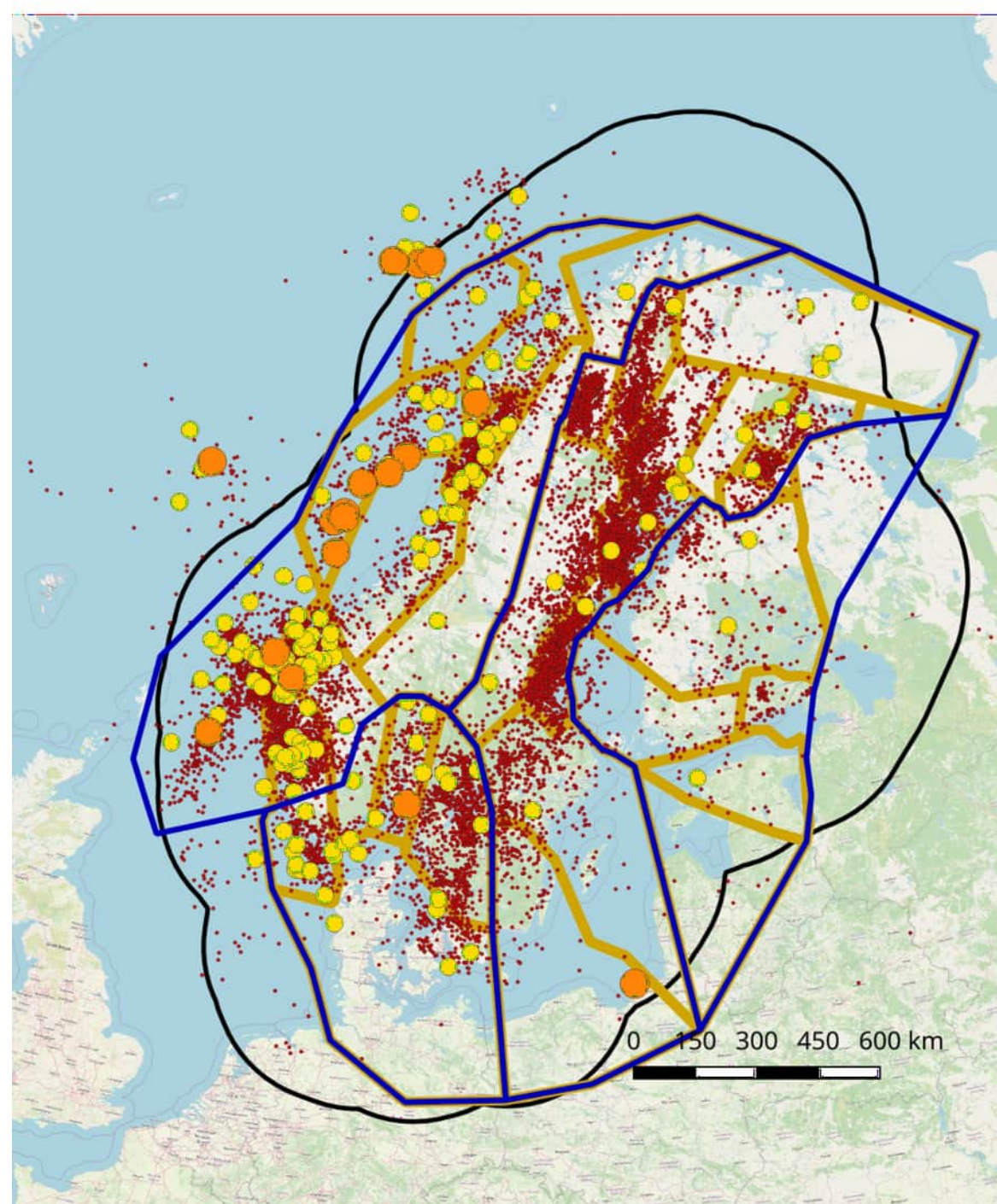
Geographical units for calculation of earthquake recurrence parameters.

For zones with too little data:

Super/tecto/macro zones

Zone boundaries should agree with the smaller zones.

Fencat &
SNSN data



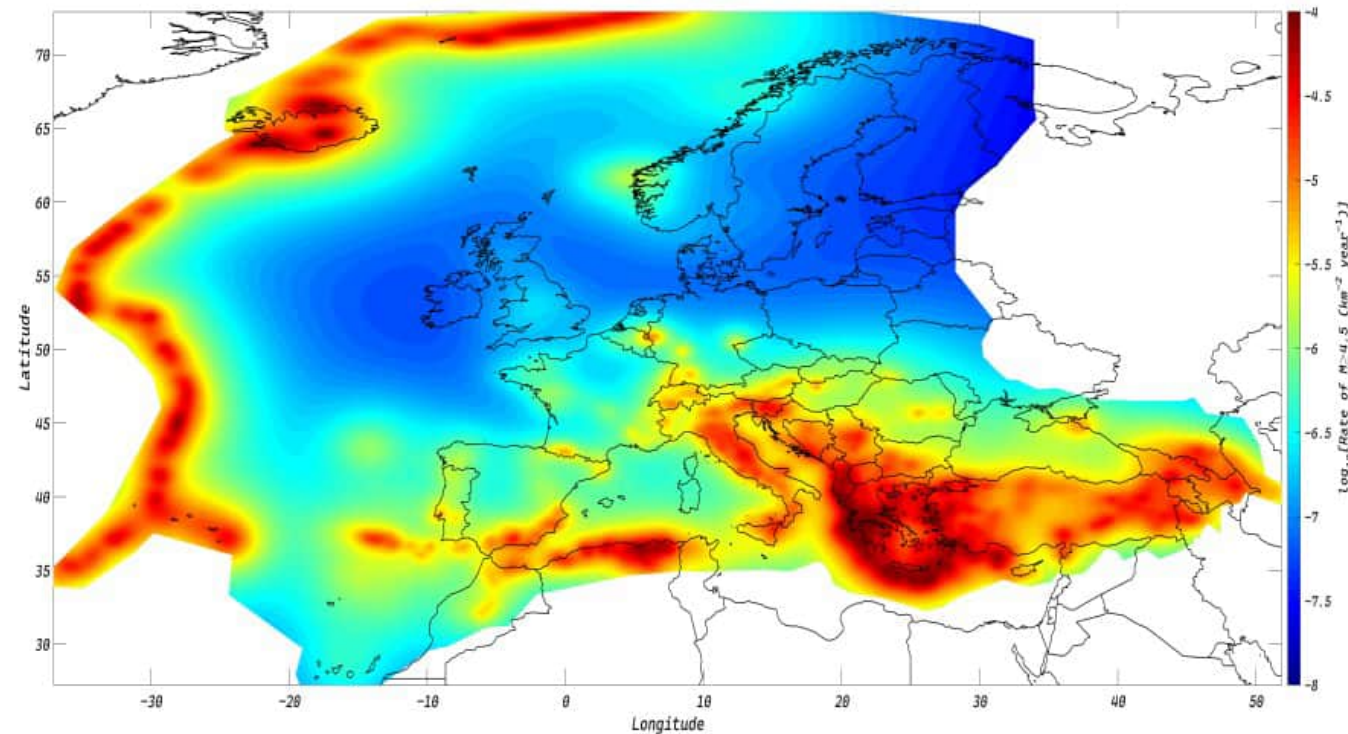
Seismic Source Zones

During this workshop:

- Agreement on adjustments to a final Fennoscandian zonation.
- Input from, and discussions with, colleagues from Estonia and Poland.

Going forward:

- Finish GIS work for the Fennoscandian small scale zonation.
- Agree on a larger scale zonation.
- Discuss other possibilities of obtaining areal recurrence data, such as a smoothed seismicity approach.



European Seismic Hazard Model 2020:
Smoothed seismicity, rate of earthquakes with
magnitude ≥ 4.5 per km² and year.