



## Visualization and interpretation of natural hazards

The Enlighten Web server can be accessed through the following links:

<http://epos-no.geo.uib.no:81/#/view/default>

<https://epos.webfarm.cmr.no/#/view/default>

local Docker image: <http://192.168.99.100>

Experiment with plotting the various datasets, try out the “brushing and linking” feature and answer the following questions (or other questions you find more interesting):

### Seismicity in the Arctic with focus on Svalbard:

1. Do you see a relation between topography/bathymetry, fault locations and seismicity?
2. Where are earthquakes located?
3. Where are large earthquakes located?
4. Do earthquakes occur along known faults and/or bathymetric/topographic structures? Is there correlation with geology?
5. Is there difference in the locations of small, intermediate and large earthquakes? What does that tell us? (detection threshold)
6. Do you see any temporal patterns? (hint: zoom in at Storfjorden)
7. Can you identify any improvements in the monitoring capacity of the seismic networks over time?

### Natural hazards in the Arctic:

8. Is there correlation between topography/bathymetry/topographic slope and the locations of slope failures?
9. Are there areas with many and/or large earthquakes and a high potential for slope failures (Svalbard)?
10. Can you identify vulnerable infrastructure in areas prone to slope failures and/or earthquakes?

**Please provide your feedback about the Enlighten-web tool:**

<https://goo.gl/forms/ILqZWXPtINB3G7eA2>