

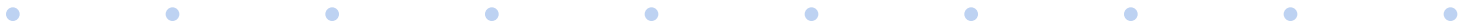
Examples of CryoLand data integration at the Romanian Meteorological Administration

Vasile Crăciunescu, Alina Ristea

National Meteorological Administration - Bucharest, Romania

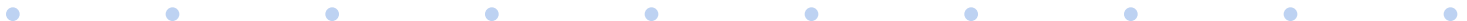
Romanian National Meteorological Administration

- The national authority in the meteorological field in Romania
- Responsible for:
 - operational meteorology (very short, short and mean duration forecasting, long range forecasting, satellite meteorology, radar and nowcasting);
 - meteorological studies and research;
 - remote sensing and GIS;
 - agro-meteorology, dynamic meteorology;
 - climatology and atmospheric physics;
 - Implementation of INSPIRE Annex III Themes 13 & 14 (Atmospheric conditions and meteorological geographical features)

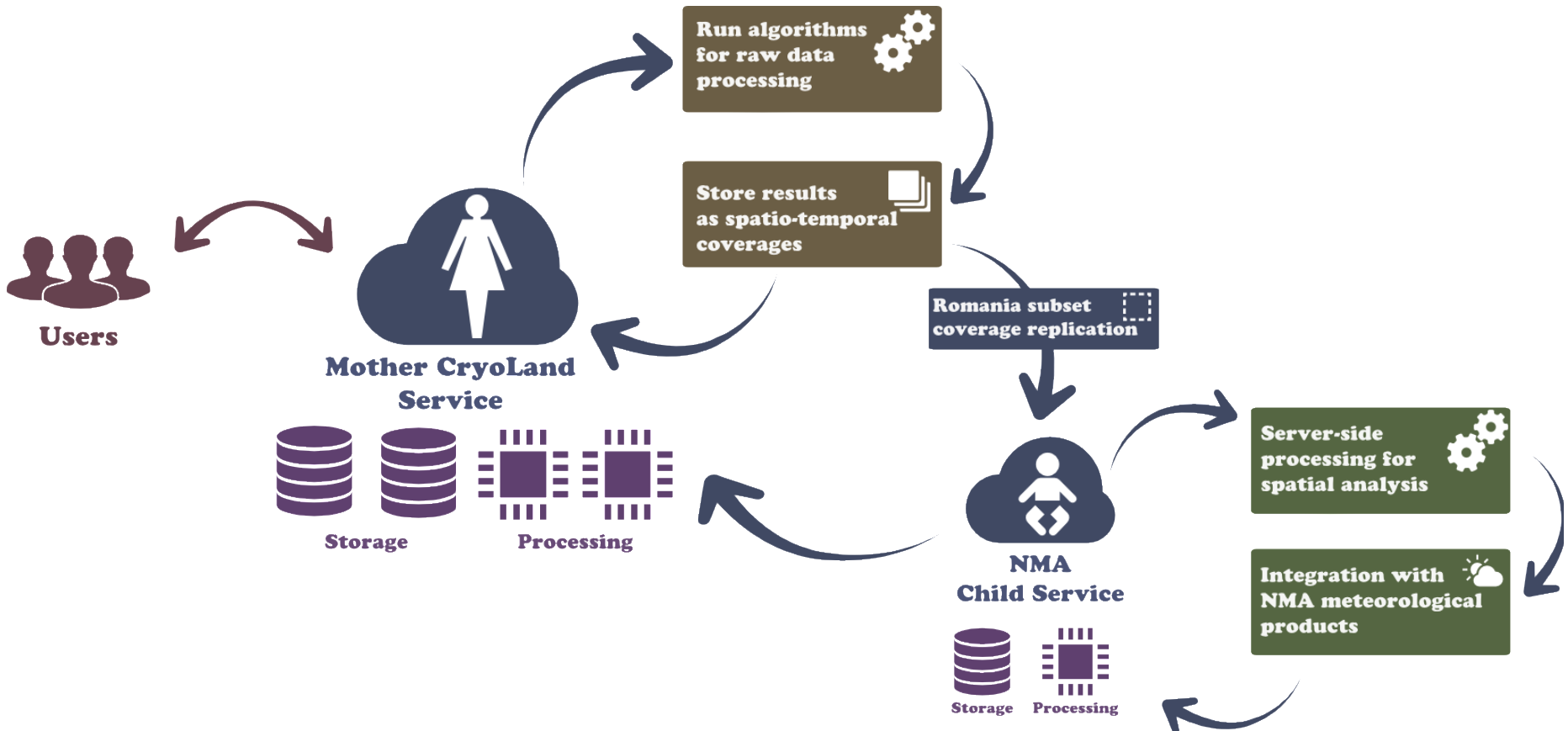


NMA & CryoLand

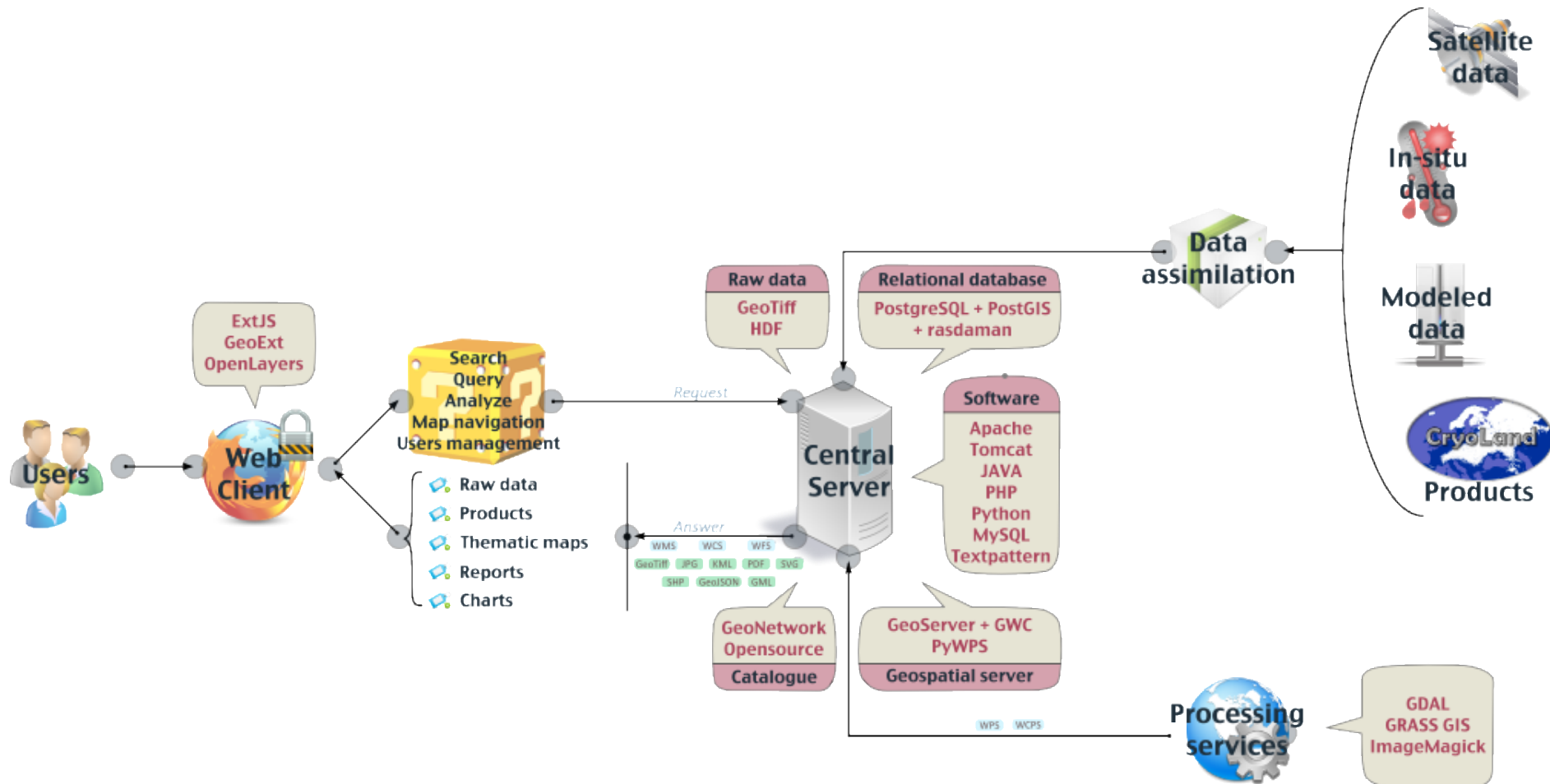
- NMA plays a double role in the CryoLand project: partner and end-user. As Romanian National Meteorological Authority, NMA is interested to integrate the CryoLand products along with climatic and meteorological forecast data. In order to validate the CryoLand service methods of data delivery lines, NMA deployed his own geospatial service (geoportal). Conceptually, the main CryoLand service is seen as a “mother service” and the NMA as a lighter “child service”, focussed on a specific geographic area, with domain specific functionalities



NMA CryoLand Service



NMA Geoportal

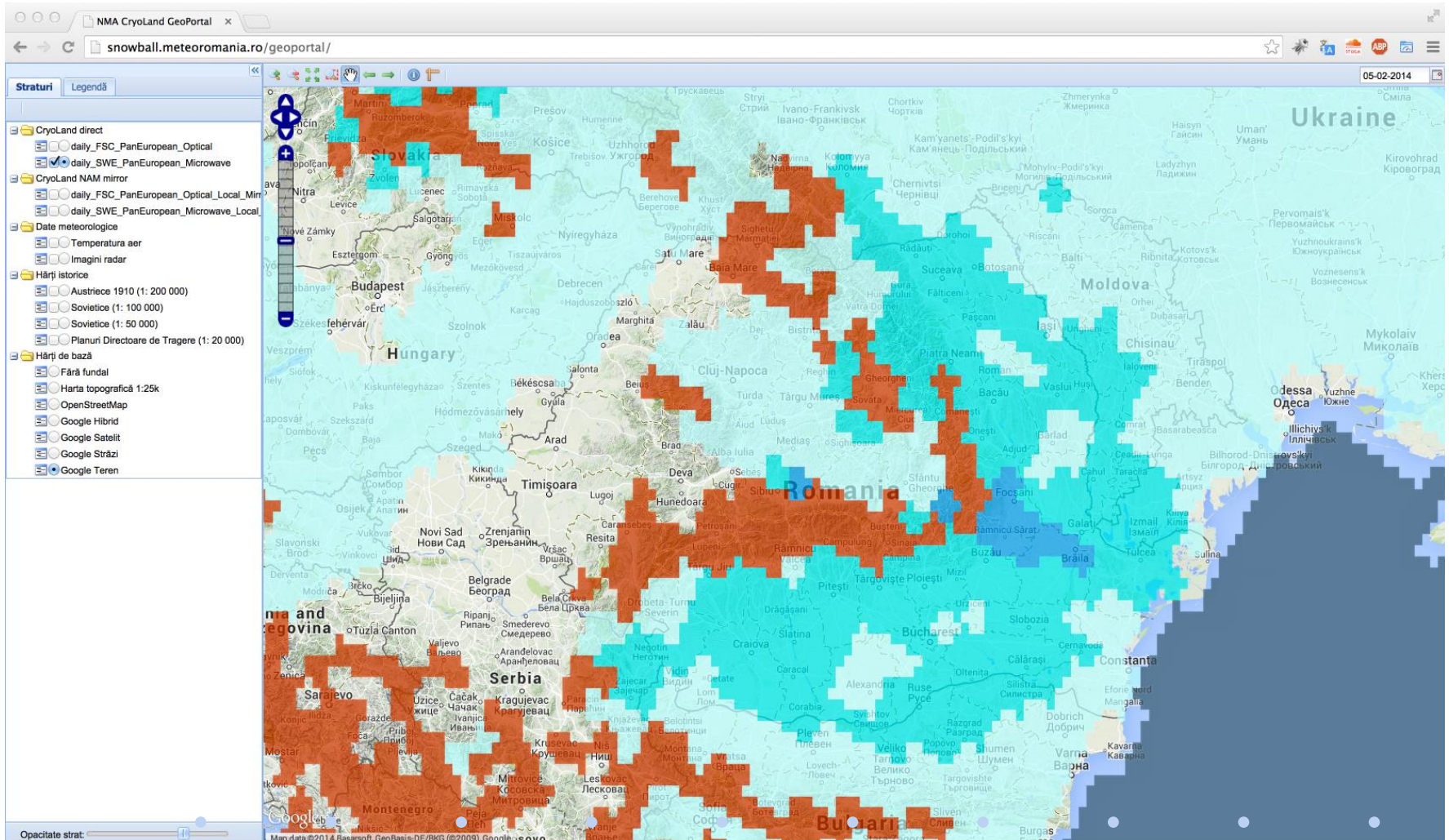


The CryoLand snow products integration

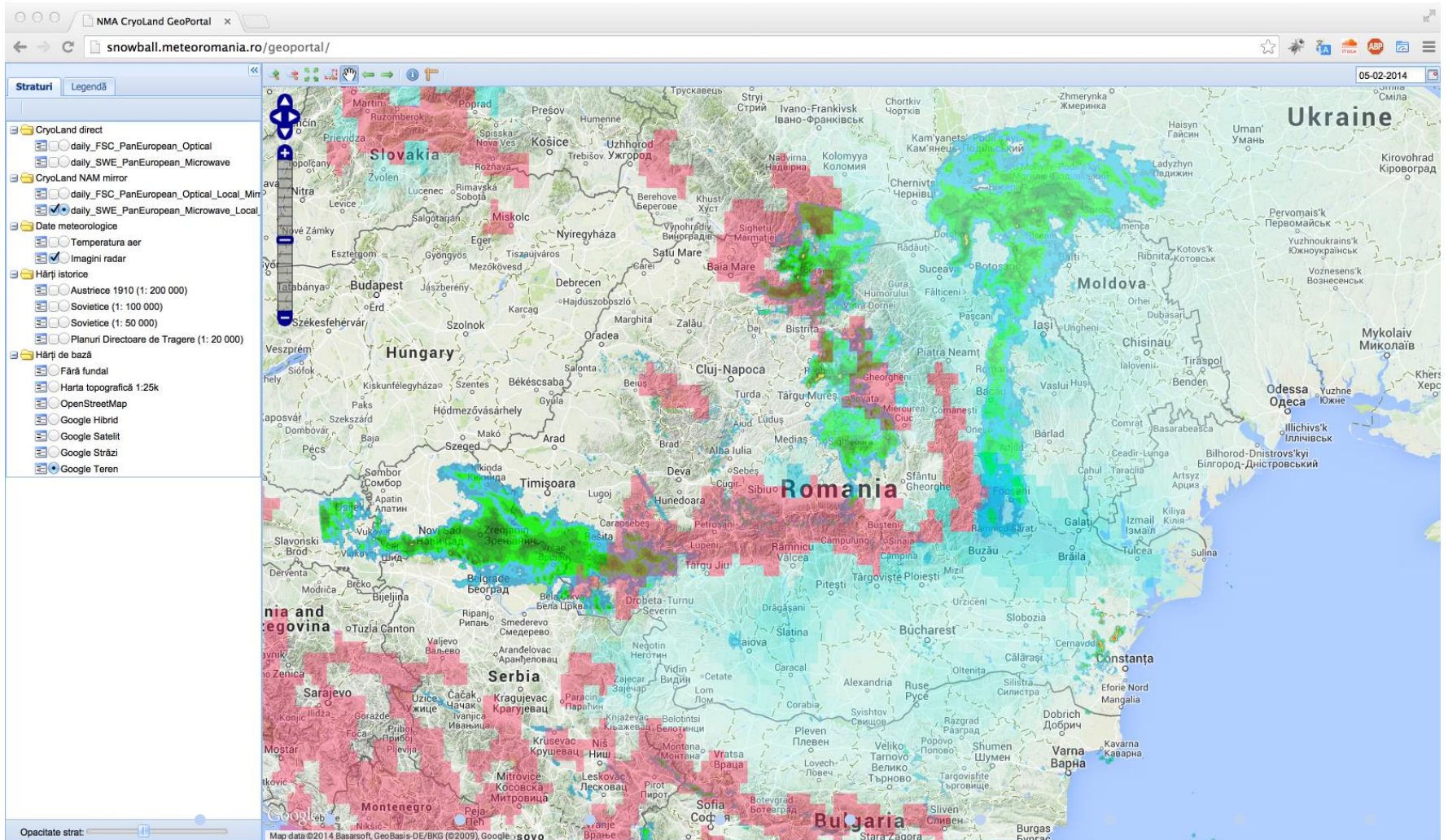
- Directly, by connecting to the main CryoLand WMS-EO service. This approach is used for product visualization.
- Indirectly, some products are mirrored on the NAM server. This approach is used mainly for data processing and other operations not permitted by the CryoLand service (e.g. product reprojection to Stereo70, the official Romanian coordinate system).



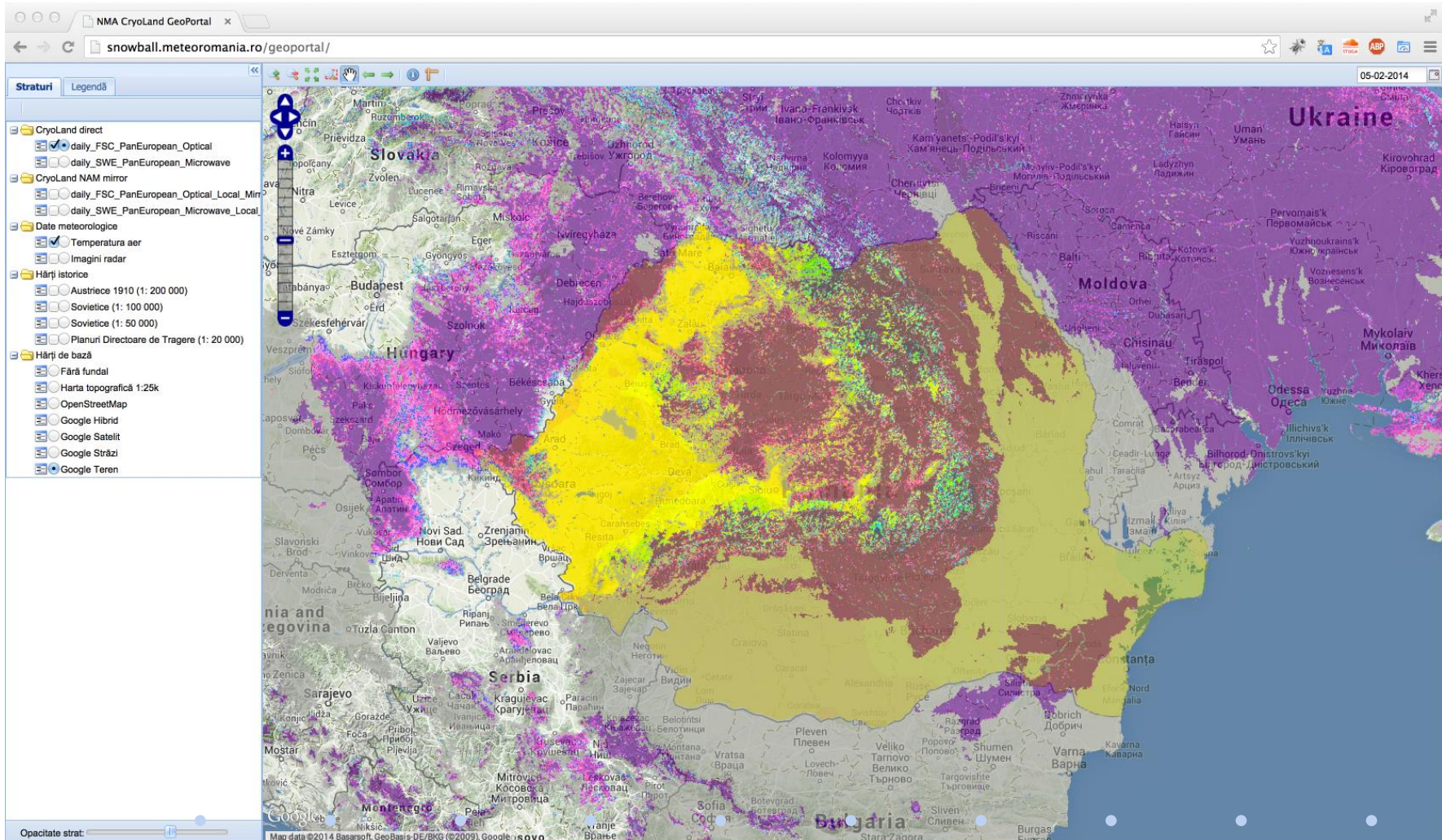
Integration examples



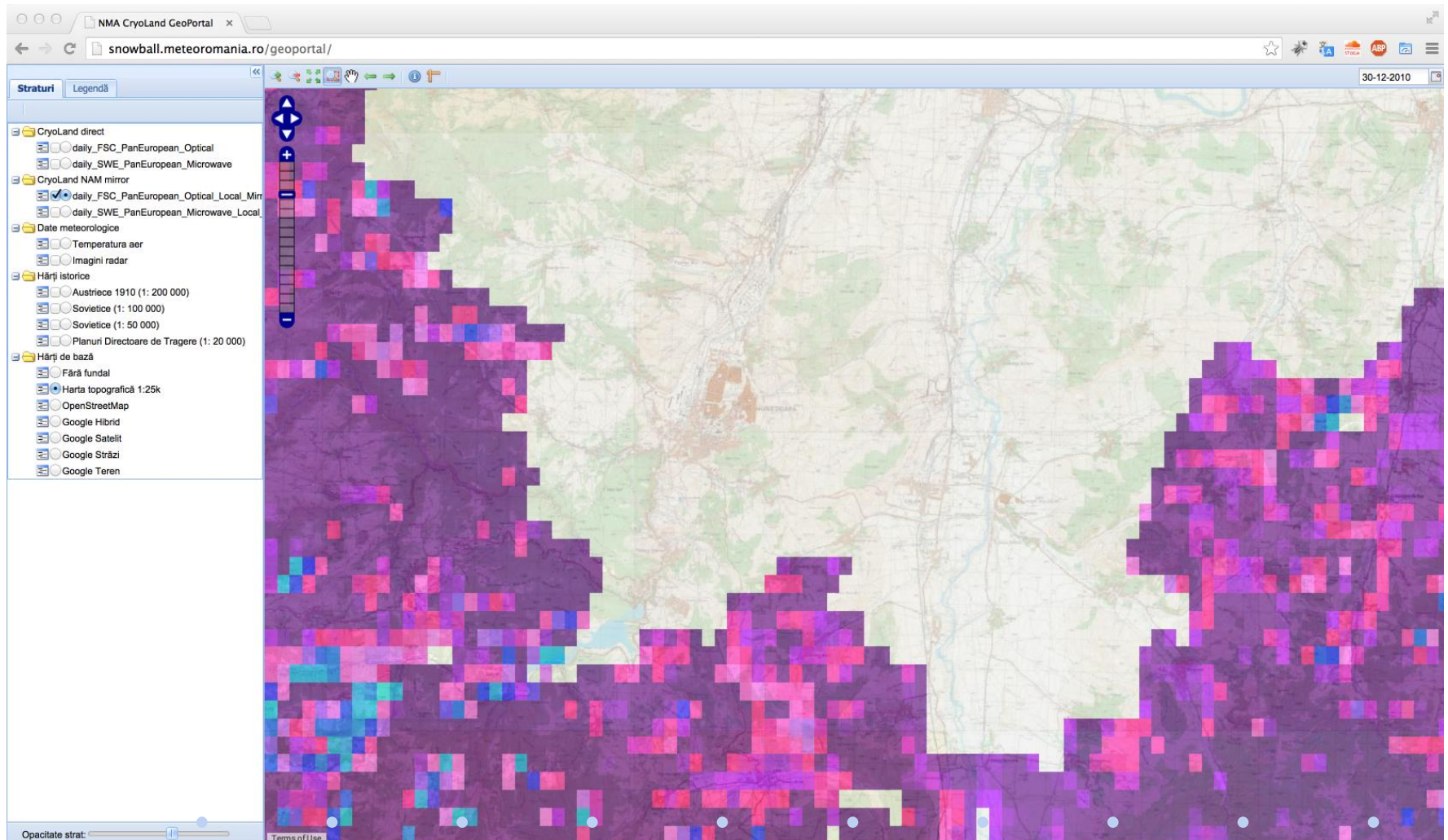
Integration examples



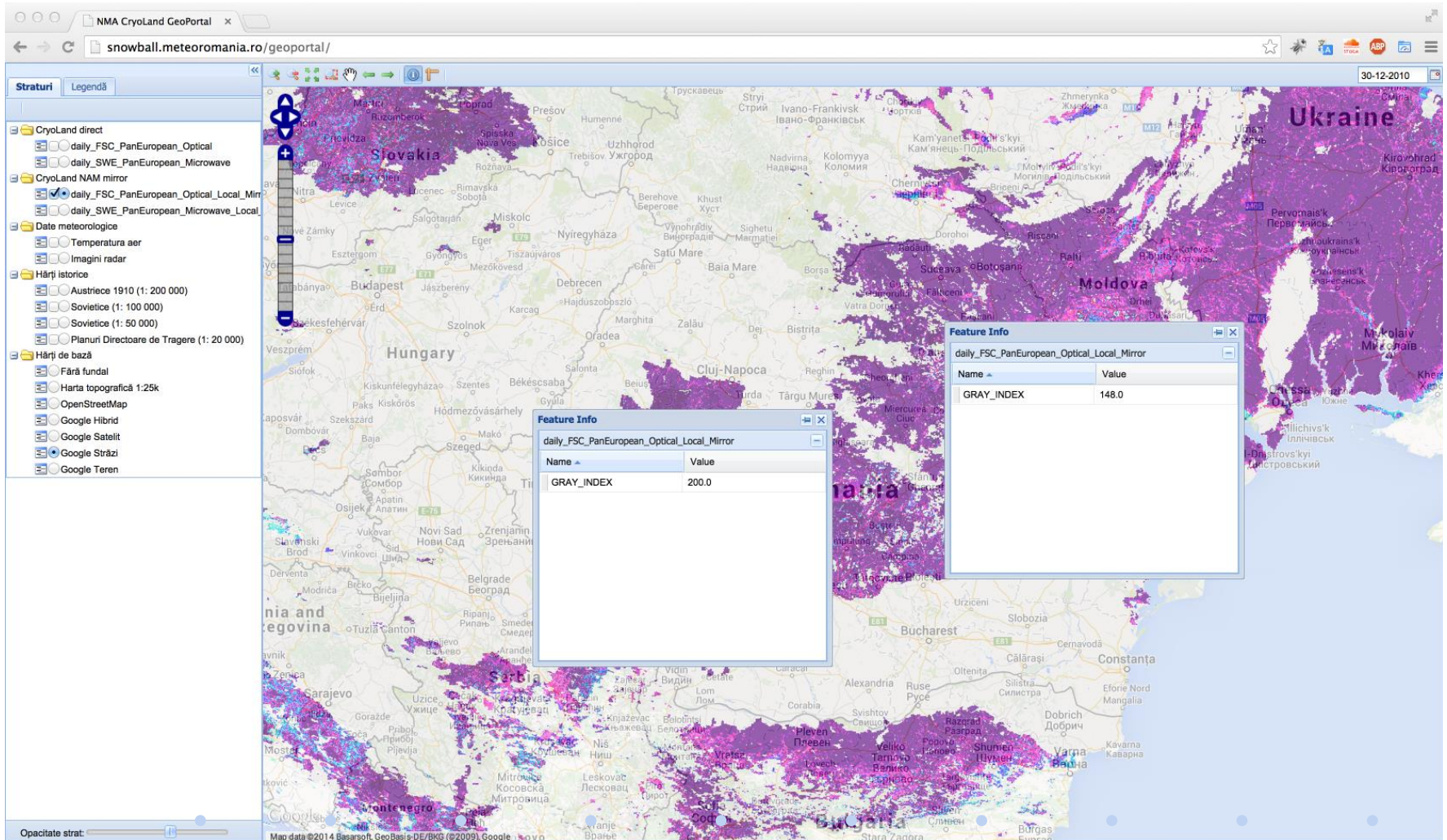
Integration examples



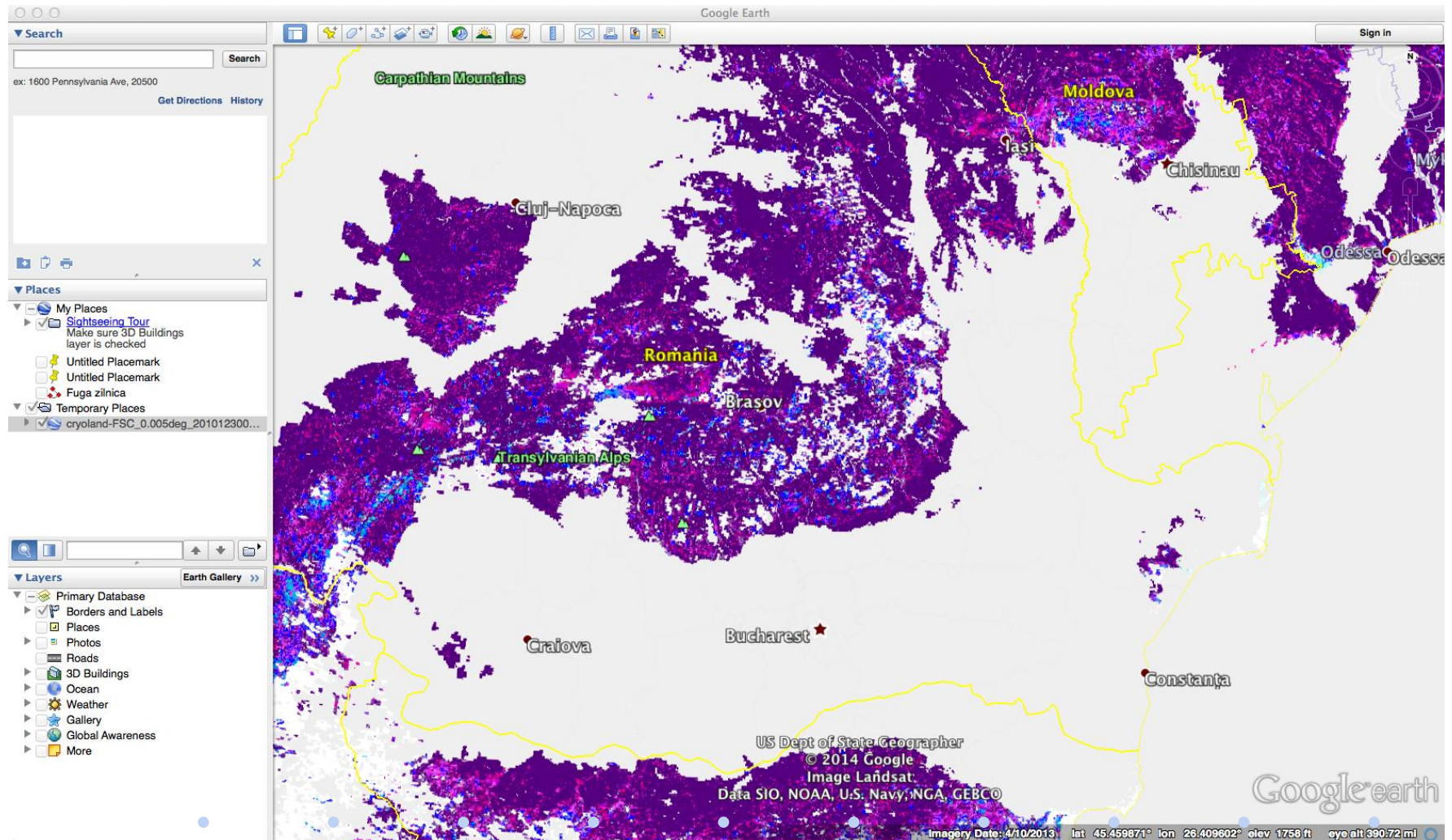
Integration examples



Integration examples



Integration examples

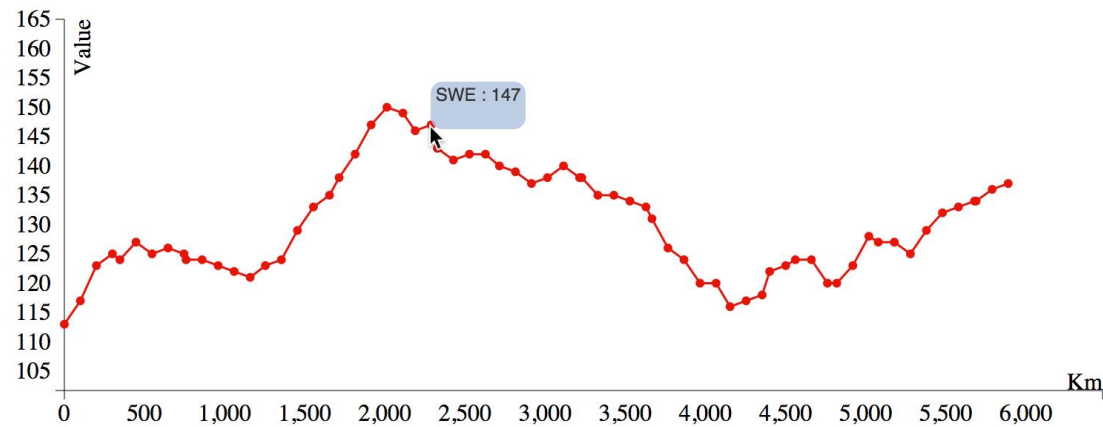
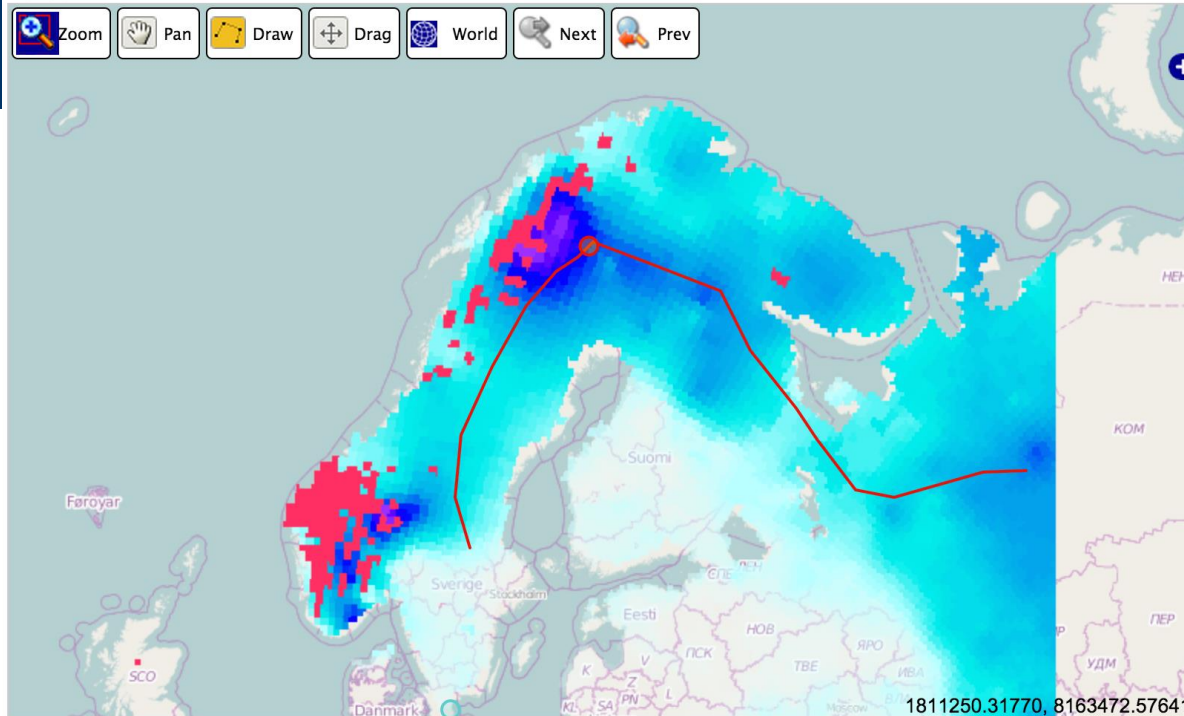
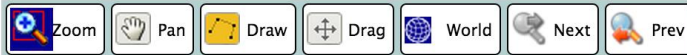


Integrat

Profile resolution 100000

Create Profile

Done!



Legend:

SWE —

The End

- Thank you. Questions?

