# LLF. 2

A new production system for Low Level Forecasts for general Aviation developed by SMHI and DMI

## Peo Ganerlöv SMHI-Luftfart Upplands Väsby

The **low level forecast** is a forecast for general aviation flying according to VFR (Visual Flight Rules) below FL125 (12500 FT). Detailed forecasts for surface winds, cloud base, visibility and weather, along with wind and temperature at higher levels and the risk of turbulence and icing is presented in text format and in graphic format. LLF.2 is a new production system aiming for a more rational and flexible production of aviation forecasts. It has been operational since January 2017.

Overview of the system
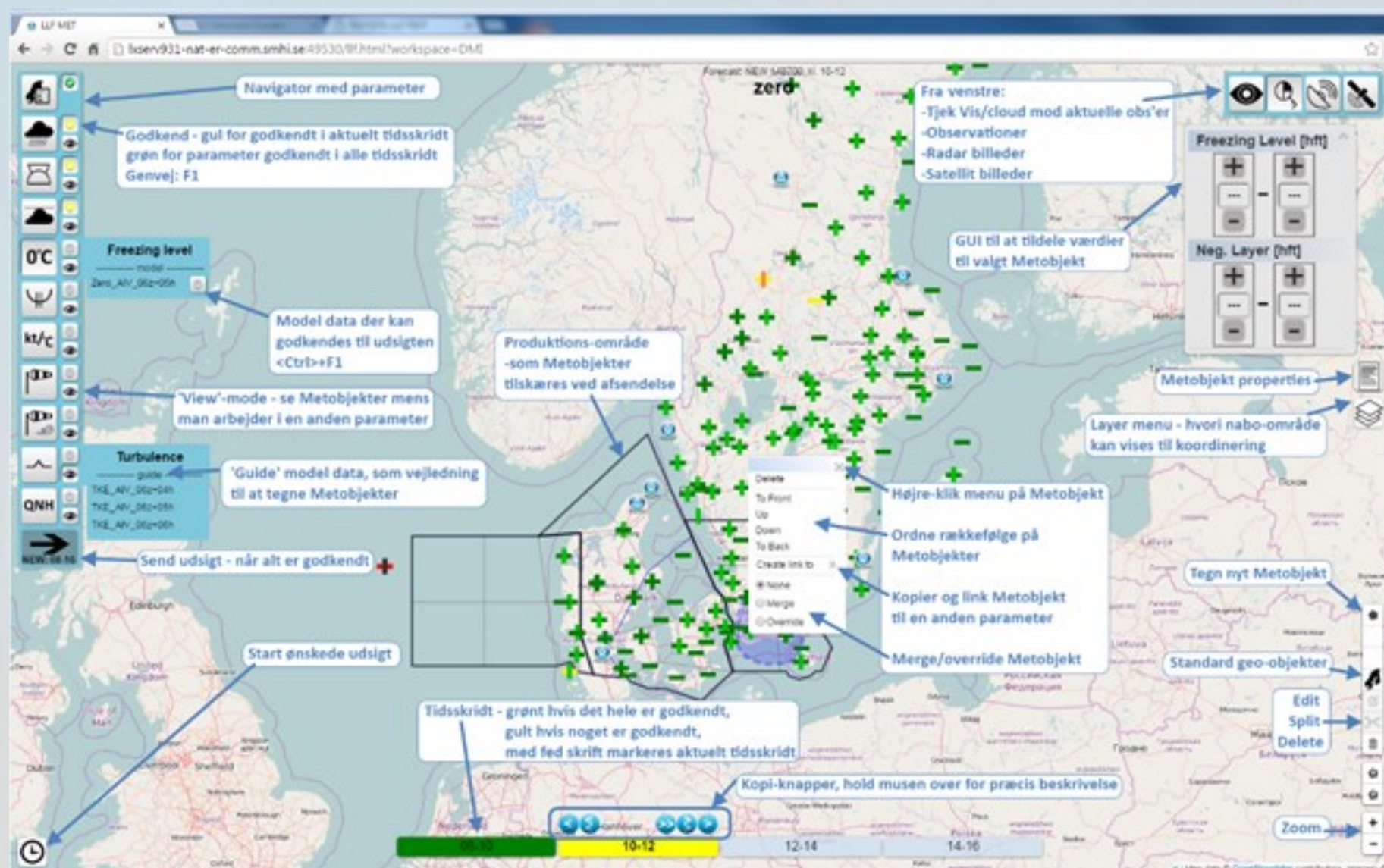
Forecast Areas
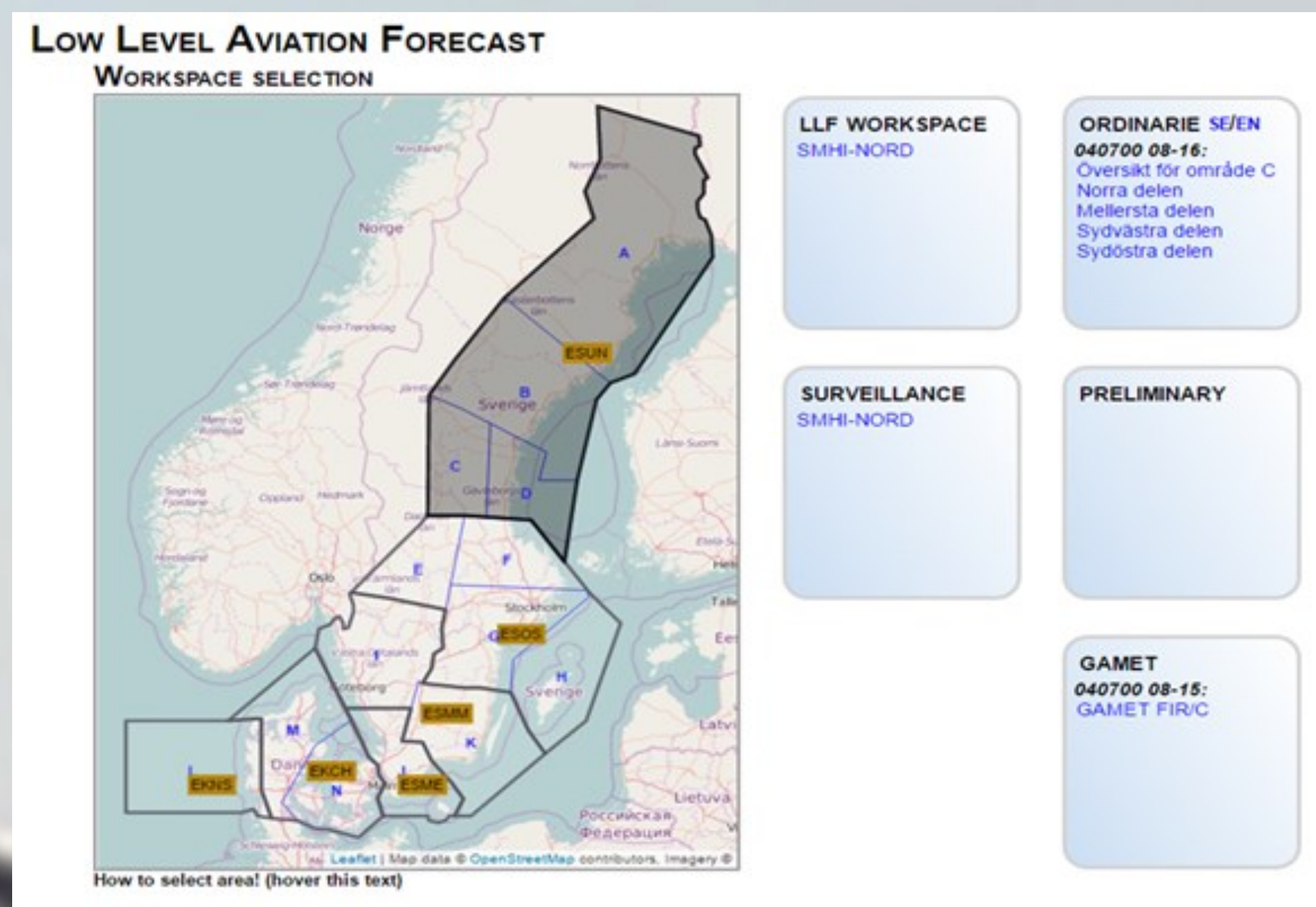
Make the forecast

You draw met-objects which you assign different values. There are overlays with observations/radar/satellite/model-data etc. For some parameters such as surface wind you check the model by an overlay and if the model is good enough you just approve the model data. If it's not you can draw a met-object for that area and put in your own adjusted winds. You can link an existing met-object from one parameter to another. For example if you made a met-object for cloud-top you can link it to icing and then the linked object will get the same shape and place.
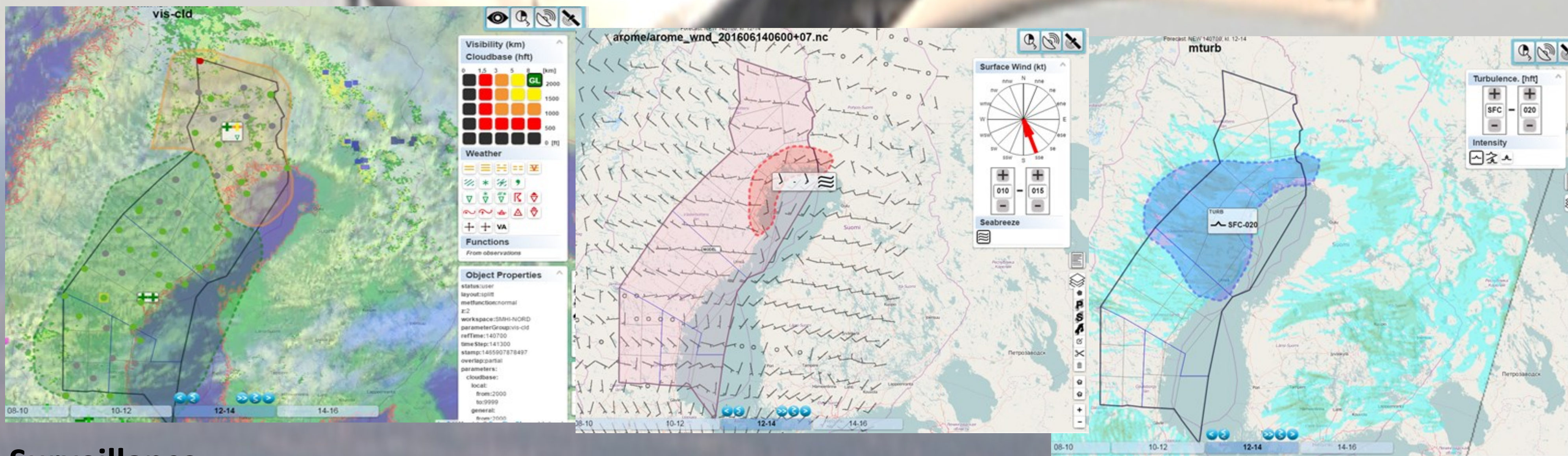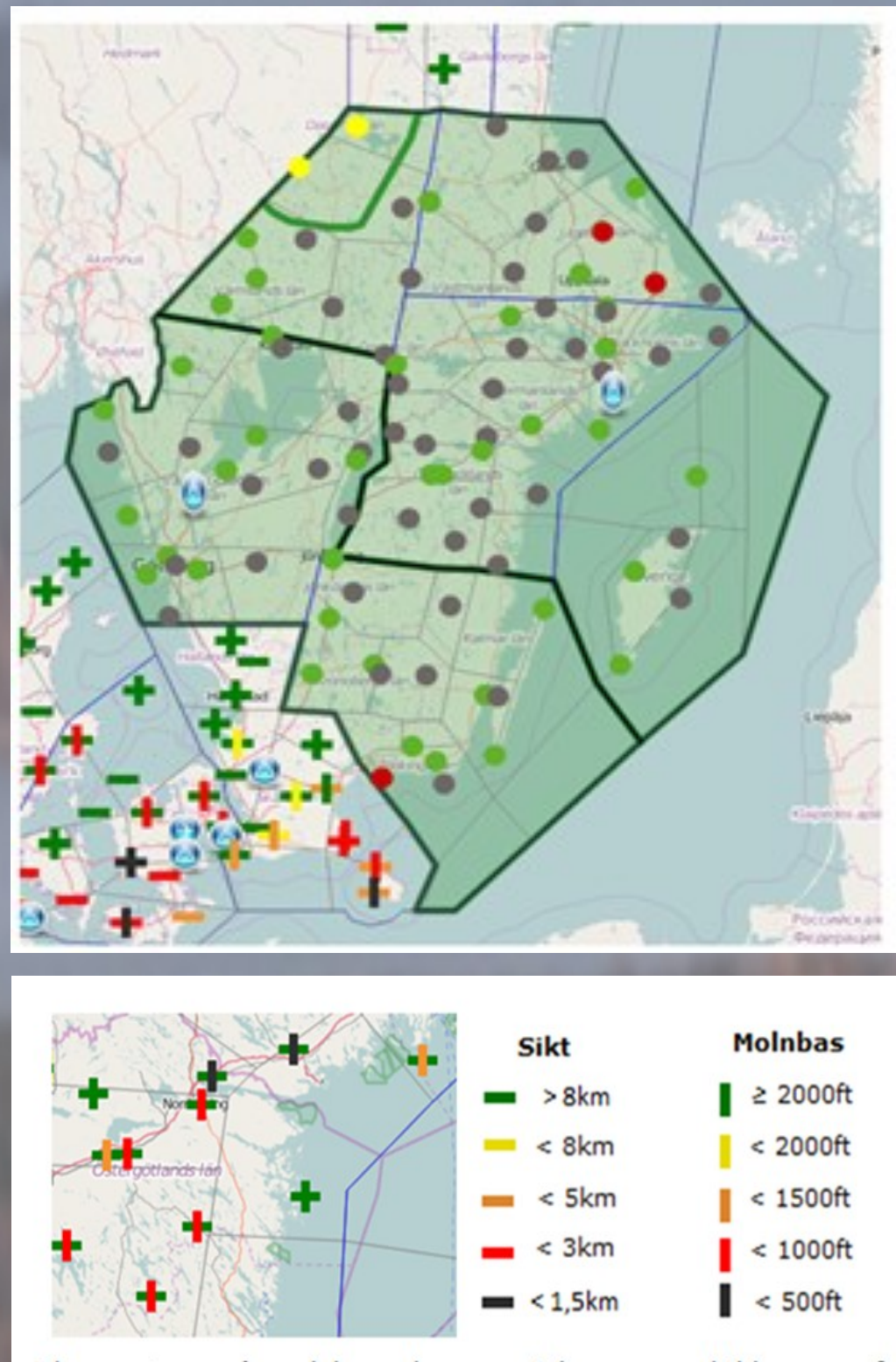

Surveillance

The forecast is monitored and visibility and cloud base is compared to observations regarding certain limits. Green dots mean the forecast is OK, yellow dots that the forecast is too negative and red dots that the weather is worse than expected and the forecaster should consider to amend the forecast.

Output in form of text forecasts, graphic format and GAMET

The output to customers will be presented in different format on **NorthAvimet.com** and **LFV AROWeb**. Texts are generated both in English and local languages