

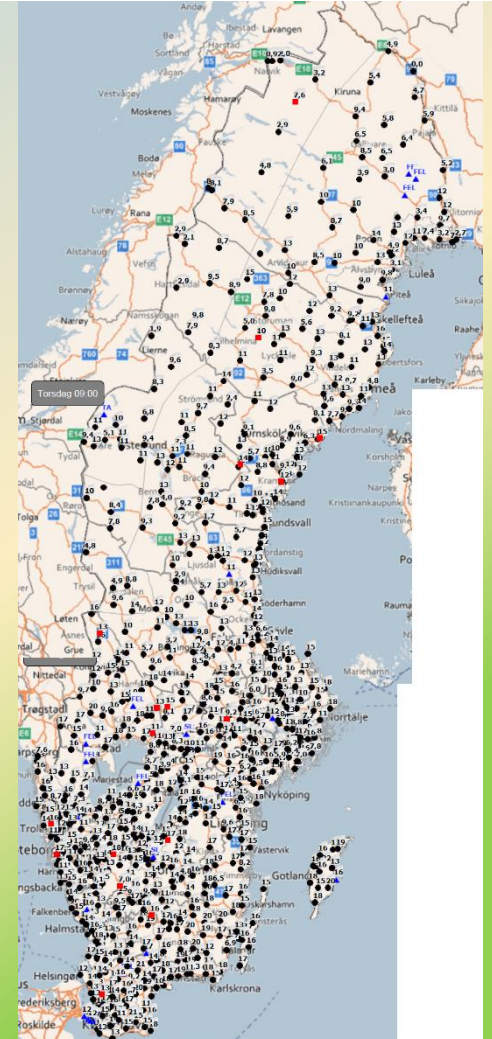


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# DELIVERING WEATHER DATA

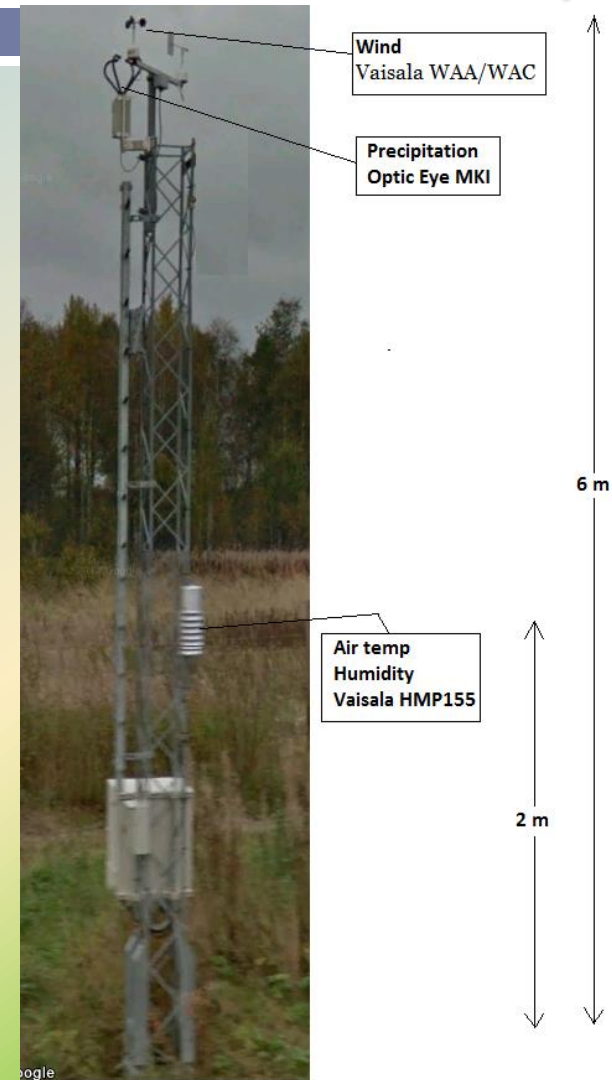
## Detector system, VViS (RWIS)

- **Central system**
  - ▣ Management
  - ▣ Collecting, Storing
  - ▣ Publish
- **Weather stations**
  - ▣ Approx. 800 weather stations on strategic spots along the road network.
  - ▣ Updates every 30 minutes during winter season
  - ▣ Soon increased to every 10<sup>th</sup> minute
  - ▣ During summer collect data from 370 stations



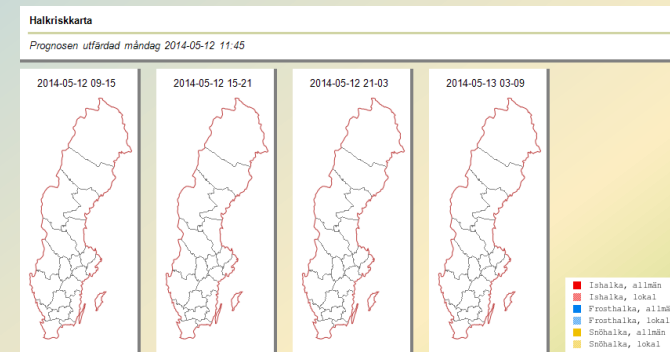
# Weather station

- **Measuring**
  - ▣ Temperature
  - ▣ Temperature at road surface (sensors)
  - ▣ Wind
  - ▣ Precipitation type and volume
  - ▣ Humidity
- **Camera**
  - ▣ 400 with camera
  - ▣ In 2 years all



## Usage of weather data

- ❑ Forecasts
- ❑ Used by Winter maintenance
- ❑ Used by TIC/TMC
- ❑ Available to external clients via DATEX II

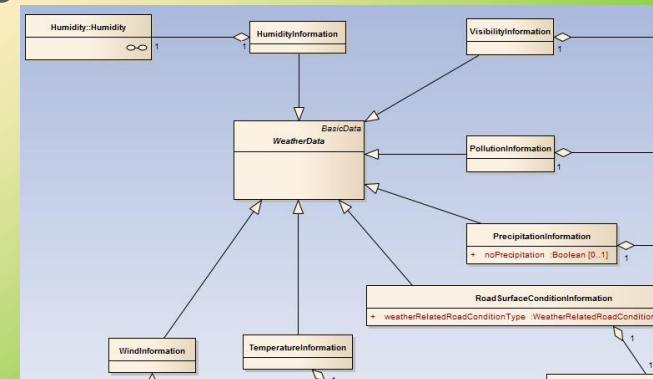






# STA delivering of Weather information

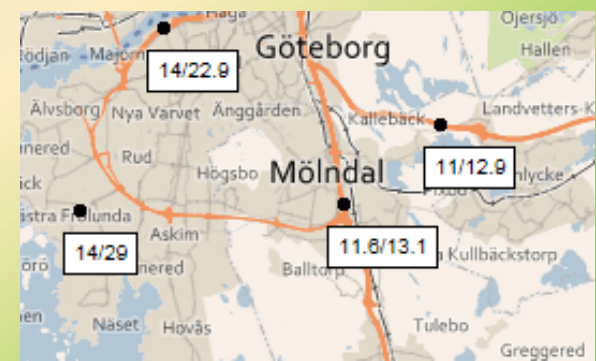
- **Measurements**
  - ▣ Measurements in MeasurementPublication
  - ▣ Meta data about weather stations in MeasurementSiteTablePublication
  - ▣ Push and Pull
  - ▣ Updates every 30 min
- **Traffic information (manual entered by TMC)**
  - ▣ Warnings about etc. Strong winds, road conditions
  - ▣ SituationPublication
  - ▣ Push and Pull



## Delivered measured values

### Currently eight values delivered

- ▣ Wind speed
- ▣ Maximum Wind speed
- ▣ Wind direction (compass)
- ▣ Air temperature
- ▣ Road surface temperature
- ▣ Precipitation type
- ▣ Precipitation intensity
- ▣ Humidity



## Metadata service (enhanced)

- **Naming**
  - ▣ Eg. Riksväg 70 Spjutmosjön
- **Location**
  - ▣ Coordinates
- **Configuration**
  - ▣ which values are measured







## Possible EIP work on Weather information

- ❑ Collect additional requirement
- ❑ Harmonise common extensions
- ❑ Input for future version of DATEX
- ❑ Forum created on datex2.eu
- ❑ Word template
  - ▣ Use case
  - ▣ Missing parts
  - ▣ Extensions used

The screenshot displays the DATEX II forum interface. At the top, a navigation menu includes links for HOME, DATEX II, NEWS, DOWNLOAD, DEPLOYMENTS, FORUM, ISSUES, USER FORUM, and CONTACTS. Below this is a blue header with the DATEX logo on the left and the EASYWAY logo with three stars on the right. A search bar is located on the left side of the forum area. The main content area shows the forum title 'Home | Forums | DATEX II' and a description: 'Here we discuss weather information in DATEX II'. There are buttons for 'New Topic' and 'Mark All Read'. Below the description is a table with columns for 'Topic', 'Replies', 'Views', 'Created', and 'Last reply'. On the left side of the forum area, there is a user profile for 'jaderberg' with links for 'Create content', 'Issues', 'Administer', 'My account', and 'LOG OUT'. At the bottom left, there is a 'DATEX II newsletter' button and a footer that says 'Stay informed on our latest'.



# Questions?