

A photograph of a paved road curving through a rural landscape. The road is dark asphalt with white dashed lines. On the left side of the road, there is a large, leafless tree in the foreground. In the background, there is a line of trees and a small, dark structure on a hill. The sky is overcast and grey. The overall scene is a quiet, rural setting.

MobiRoma

Pär Ekström  
Semcon



A photograph of a paved road winding through a rural landscape. The road is dark asphalt with white dashed lines down the center and solid lines on the edges. It curves to the right in the distance. On the left side of the road, there is a grassy field with a line of bare trees. In the background, there are rolling hills under a cloudy sky. A large, leafless tree stands prominently on the right side of the road in the foreground. The overall scene is overcast and appears to be in late autumn or winter.

## Mobile Observation Methods for Road Maintenance Assessments.





# MobiRoma.eu

Spring thaw condition  
Pavement quality  
Winter road condition





**Spring thaw conditions**

**My Cars**

**Pavement Quality**

**Time period**

From: 04/07/2011 00:00  
To: 30/01/2012 00:00

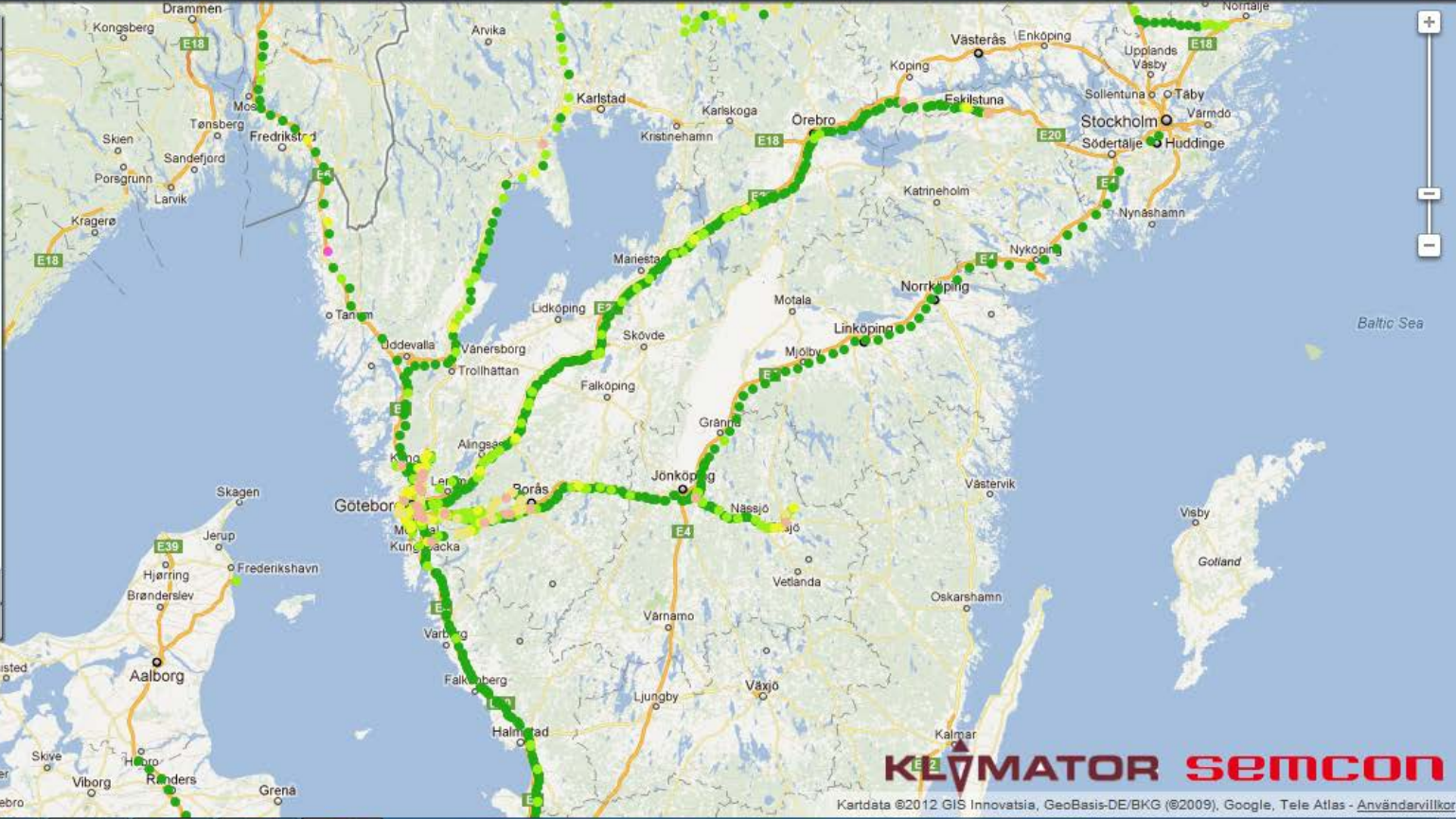
**Quality index**

Bad, 1 | Good, 10

(5-10)

**Winter Road Conditions**

**Weather**



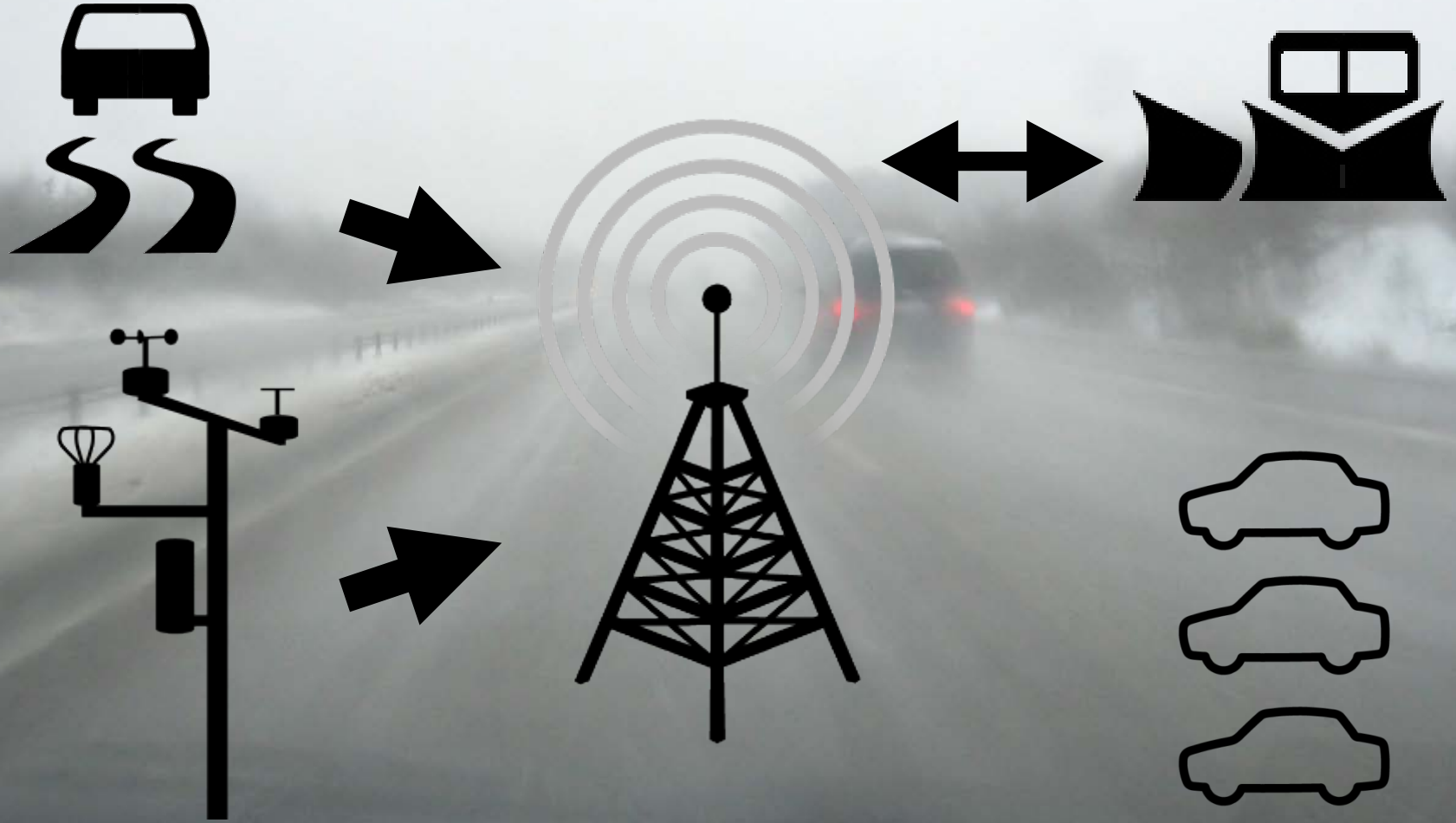




MobiRoma is a web based tool.

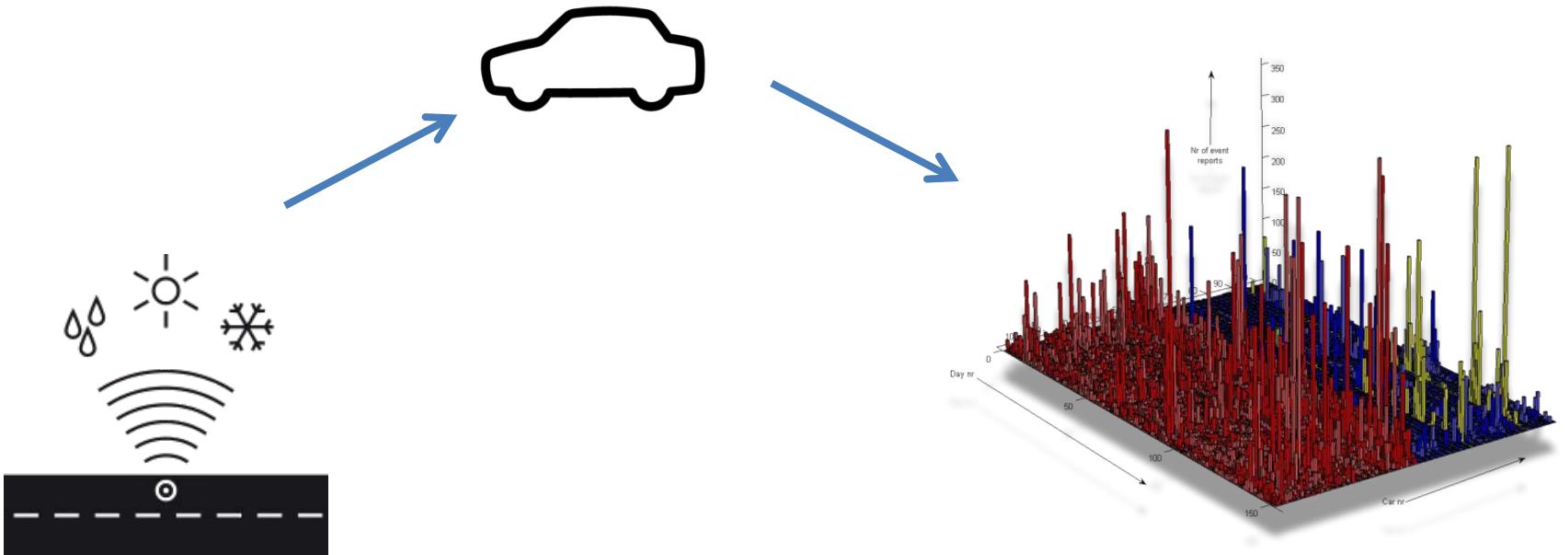
But first we take the background





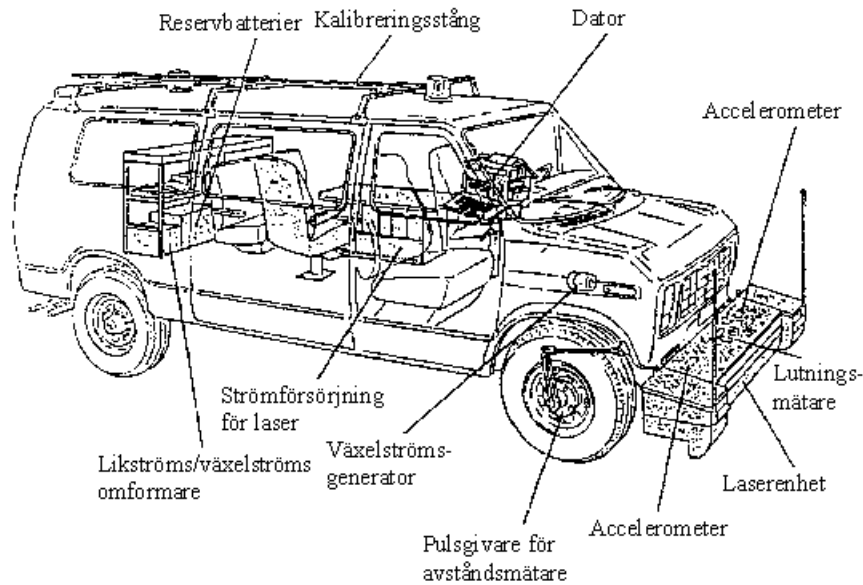
# Background projects

- Slipperiness, SRIS
  - Softness of gravel roads (BiFi)
  - Pavement roughness (internal Semcon)
- Co financed by SRA  
Co financed by SRA  
Financed by Semcon





# Equipment



Today in production



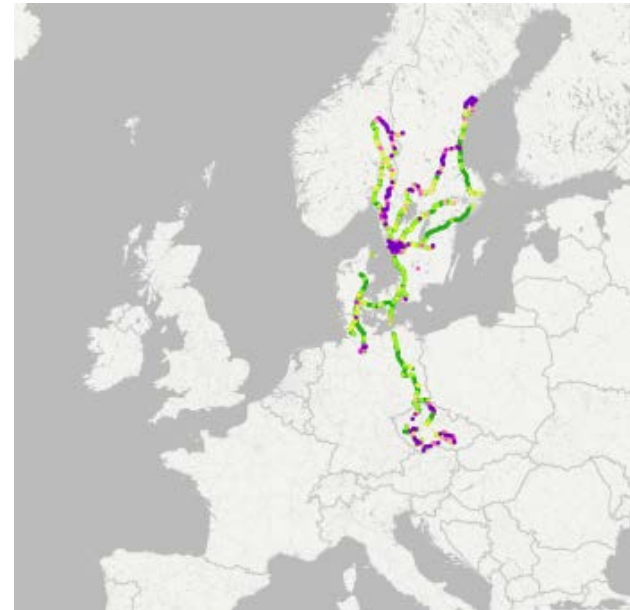
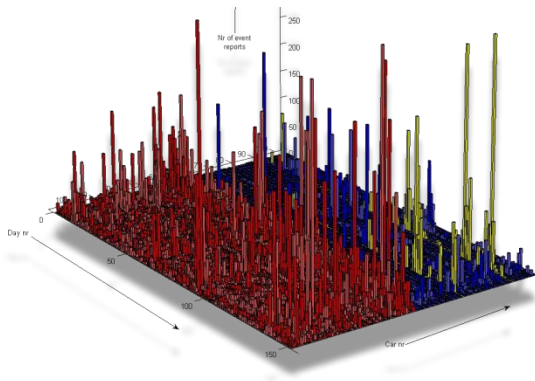
Today in test  
Tomorrow in production



# MobiRoma projects

- Presentation of data, MobiRoma

Financed by ERA-NET road (SRA, etc)





**Spring thaw conditions**

**My Cars**

**Pavement Quality**

**Time period**

From: 04/07/2011 00:00  
To: 30/01/2012 00:00

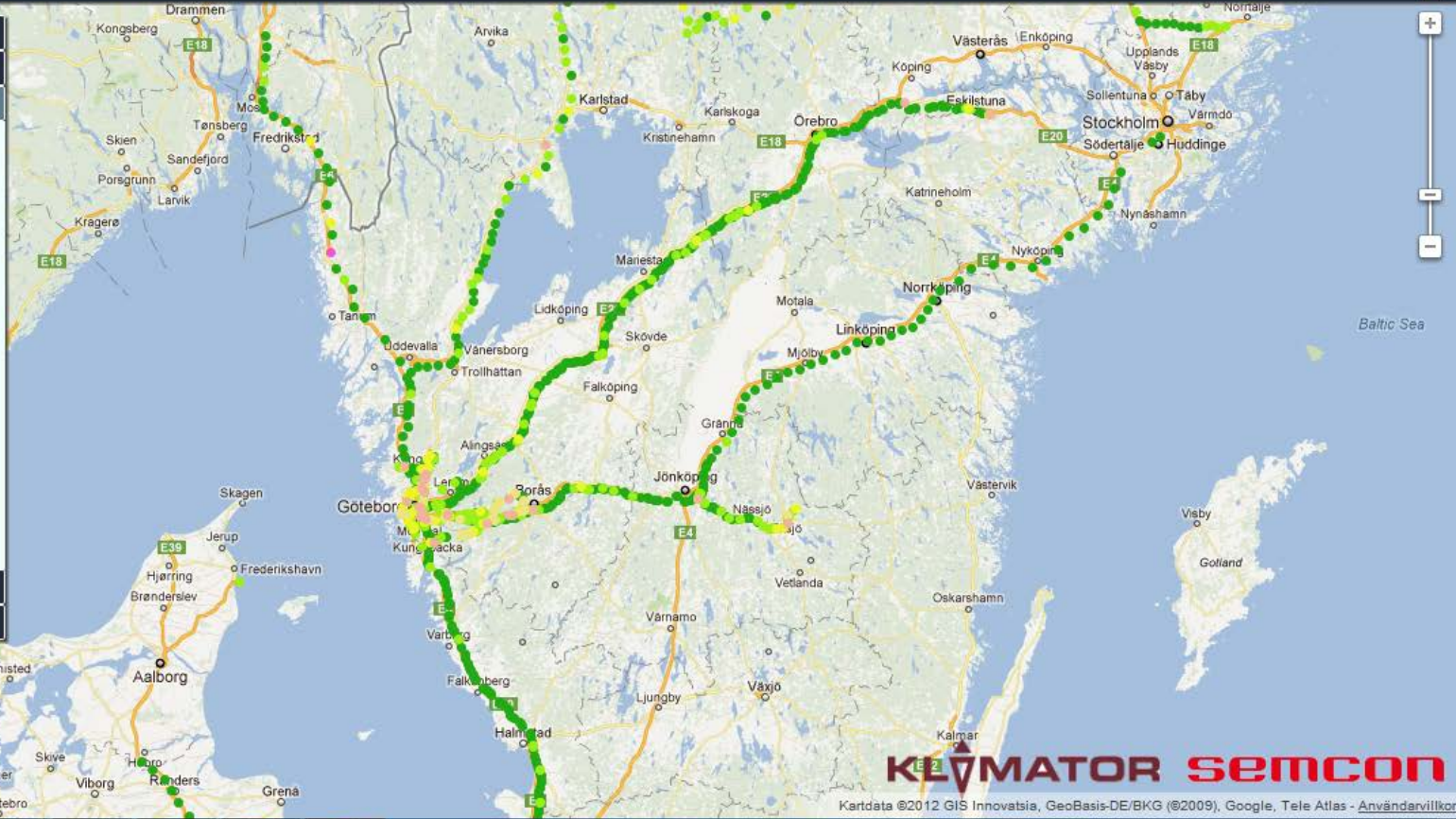
Quality index

Bad, 1 Good, 10

(5-10)

**Winter Road Conditions**

**Weather**







Winter road condition



Home Page x mobiroma.eu/Map.aspx x

mobiroma.eu/Map.aspx

New Tab Web Slice Gallery Importerat från IE

Karta Satellit White

# MobiRoma.eu

Feedback Admin Get Started

**Spring thaw conditions**

My Cars

Pavement Quality

**Winter Road Conditions**

Time period

Date: 18/03/2008

View options

- Slippery
- Not slippery

Weather

Google

KLIMATOR SEMCON

Kartdata ©2012 Google - Användarvillkor

SV 23:04 2012-05-09

# Winter road condition

www.mobiroma.eu





Pavement quality





Examples of pavement situation on highways in one administrative area.

The measurement are from 19-23 of January 2012

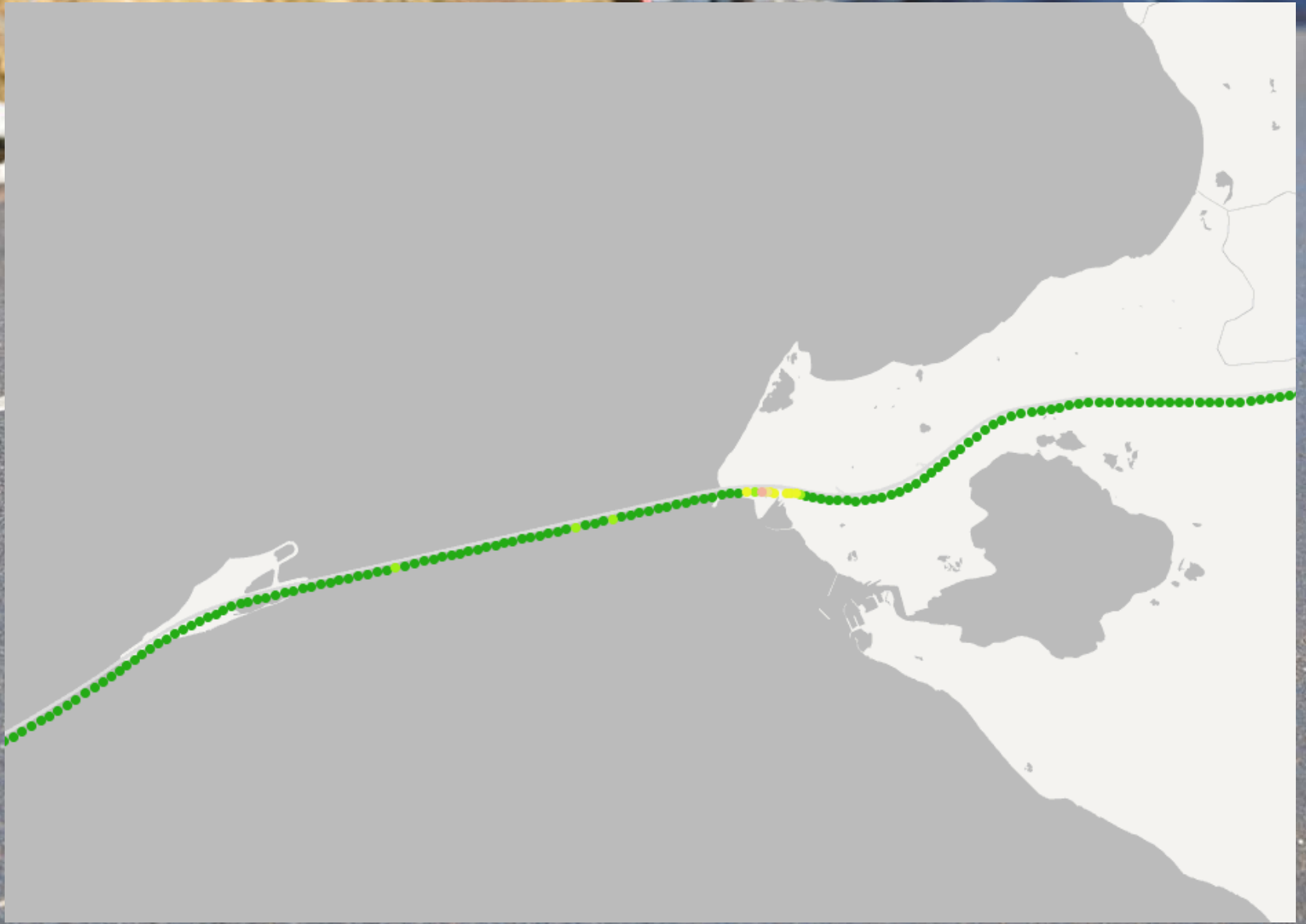




It's easy to identify where  
to do a more detailed investigation

The measurement are from 19-23 of January 2012



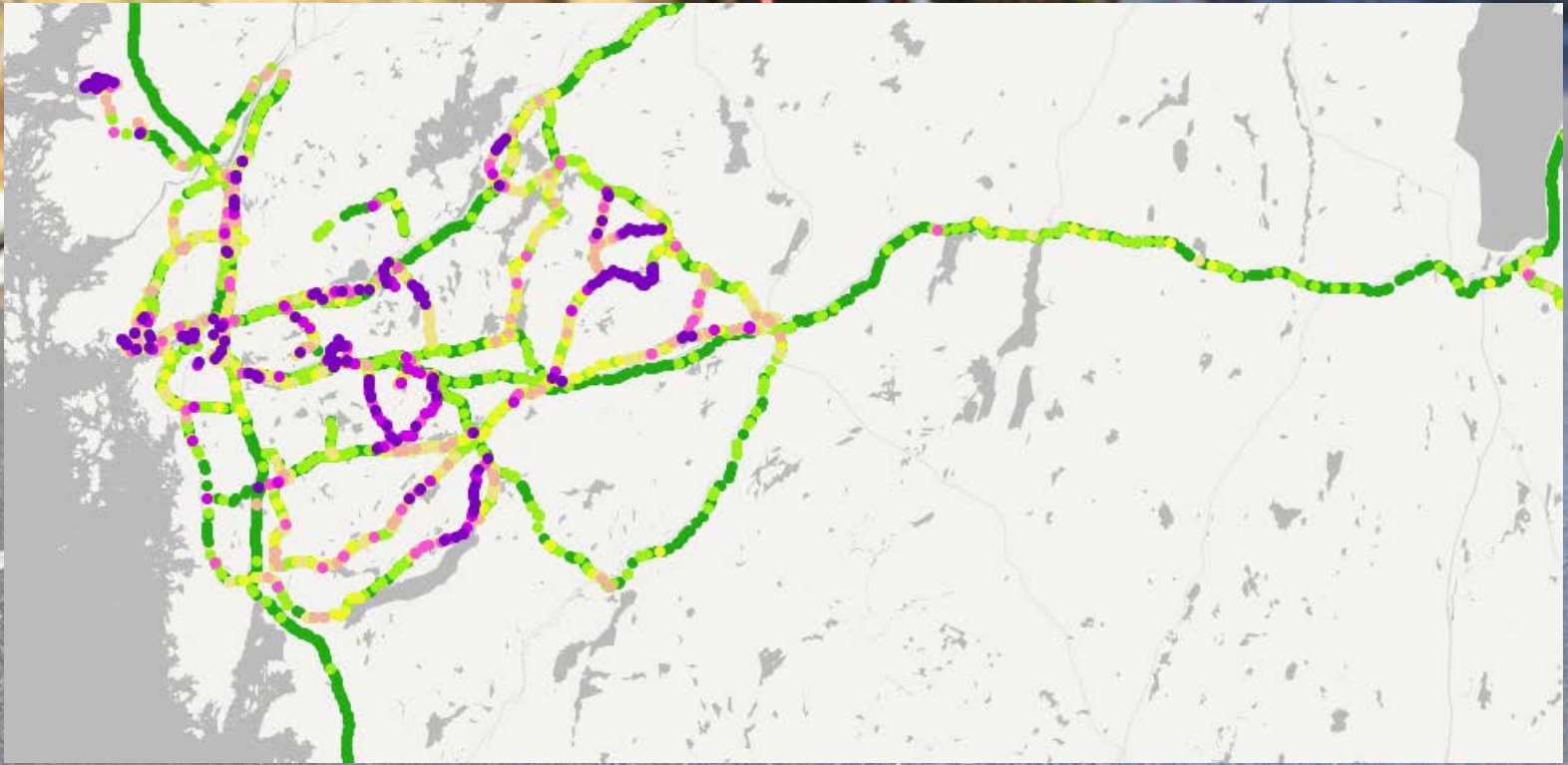




**semcon**

Kartdata ©2012 GeoBasis-DE/BKG (©2009), Google - Användarvillkor





If you look on all roads in a smaller rural area it looks more like this

Could you based on the paving quality determine type of road and administration?











A close-up, low-angle shot of an asphalt road. The road surface is dark grey and textured. Two white dashed lane markings run parallel to each other, receding into the distance. The road curves slightly to the right. In the upper left corner, there is a patch of snow on the shoulder, with some dry grass visible underneath. The lighting is bright, suggesting a sunny day.

Thanks for your attention.

/Pär Ekström    SEMCON