ROAD STATUS INFORMATION

EXECUTORS
Volvo Cars, Klimator AB, RoadIT AB, University of Gothenburg, Luleå Tekniska Universitet and Statens väg och transportforskningsinstitut VTI

CLIENT
Trafikverket

SUPPORT
Trafikverket and fordonsforskningsprogrammet FFI
WHAT
A new, world leading, road status system.
Tells road condition present and forecast

HOW
Current;
• weather forecast
• weather station information

Additional;
• advanced geosegmenting
• vehicle data

User communication
The objective with RSI
RSI Features...

- Displays road condition now and forecast
- Enables maintenance operators analysis
- Enables commissioners to analyse effectiveness of actions
- Can inform trafficants
TARGET GROUPS

MAINTENANCE OPERATOR

DRIVERS

TRAFIKVERKET
RSI APPLICATION

ROAD CONDITION

SURFACE TEMPERATURE
RSI-APPLICATION

VEHICLE DATA COVERAGE

MAINTENANCE ACTIONS PERFORMED
RSI-APPLICATION

RSI-application shows performed actions on the map.

How much salt is spread, where and when.

Possible to compare present and forecasted road conditions versus performed salting.

An example where the maintenance people have performed an unnecessary salting.

RSI-application shows present road conditions, historical values and forecasted development.
RSI IN SOCIAL MEDIA

Summary graph displayed in Twitter

twitter.com/rsi_beta
FINDINGS SO FAR

- Decision making is simplified for maintenance operators
- Situations found where too much salt is used
- Situations found where action should have been taken
- RSI can enable
  - Resource optimisation
  - Minimized environment impact