

WORK SHOP, topic No. 3

What kind of road weather data do maintenance people and meteorologist need?

Road - maintenance personnel, road authorities

- Need information not data
- Models for interpretation of data
- Explain data
- Reliable data
- Education for users
- Real time data, sampling(5-15 min), transfer (short time)
- Surface status – wet/dry/amount of salt
- Forecast
- Friction data
- Better exchange of data between different users, e.g. road authorities, weather services, municipals
- Give information to the public/drivers
- Location of stations, early warning/forecast
- Radiation, sensor and/or satellite
- Better quality of humidity measurements
- Detailed salting routes, GPS-based
- Different strategies for salting

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What kind of road weather data do maintenance people and meteorologist need?

- **Weather – researcher, meteorologists**
- Detailed measurements close to the road
- Full data set for input to forecast models
- Quality control of data
- Location of sensors
- Influence from traffic – more knowledge needed
- Camera images – interpretation
- Location of stations – depending of how the data should be used
- Test of sensors models and theoretical formulas
- Improve RST-sensor, add more sensors
- Chemicals

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What kind of road weather data do maintenance people and meteorologist need?

System - manufacturers

- Low cost vs. high cost sensors
- Location of stations – giving support to users

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What kind of road weather data do maintenance people and meteorologist need?

Summary

- C- communication, information, education
- C- cooperation, use the information together
- C- control, reliability of data