STRUCTURAL DATA AS A NATURAL PART OF A PMS SYSTEM

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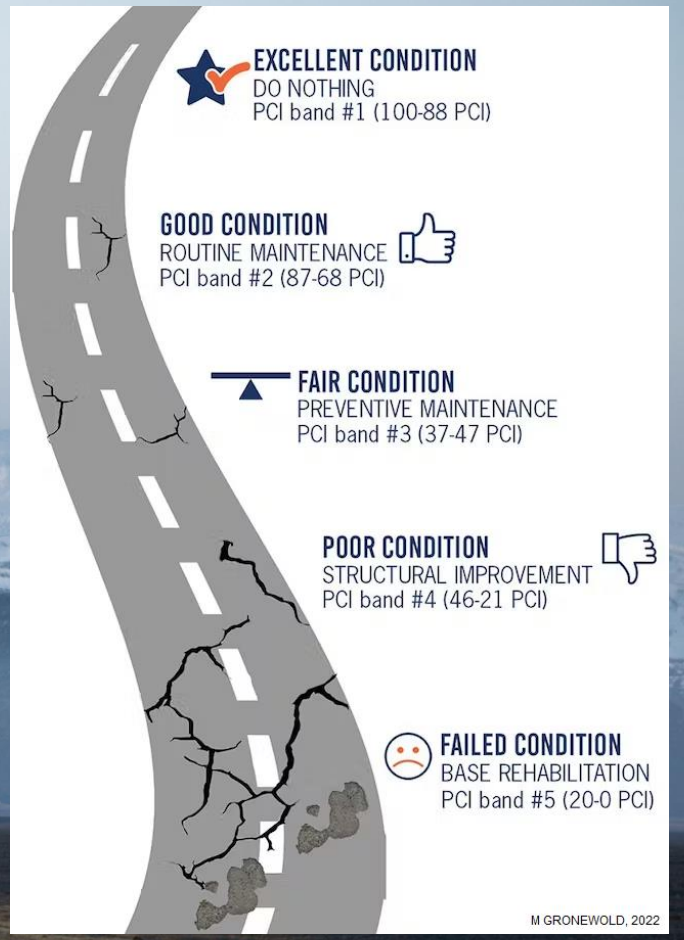
PMS-systems in general

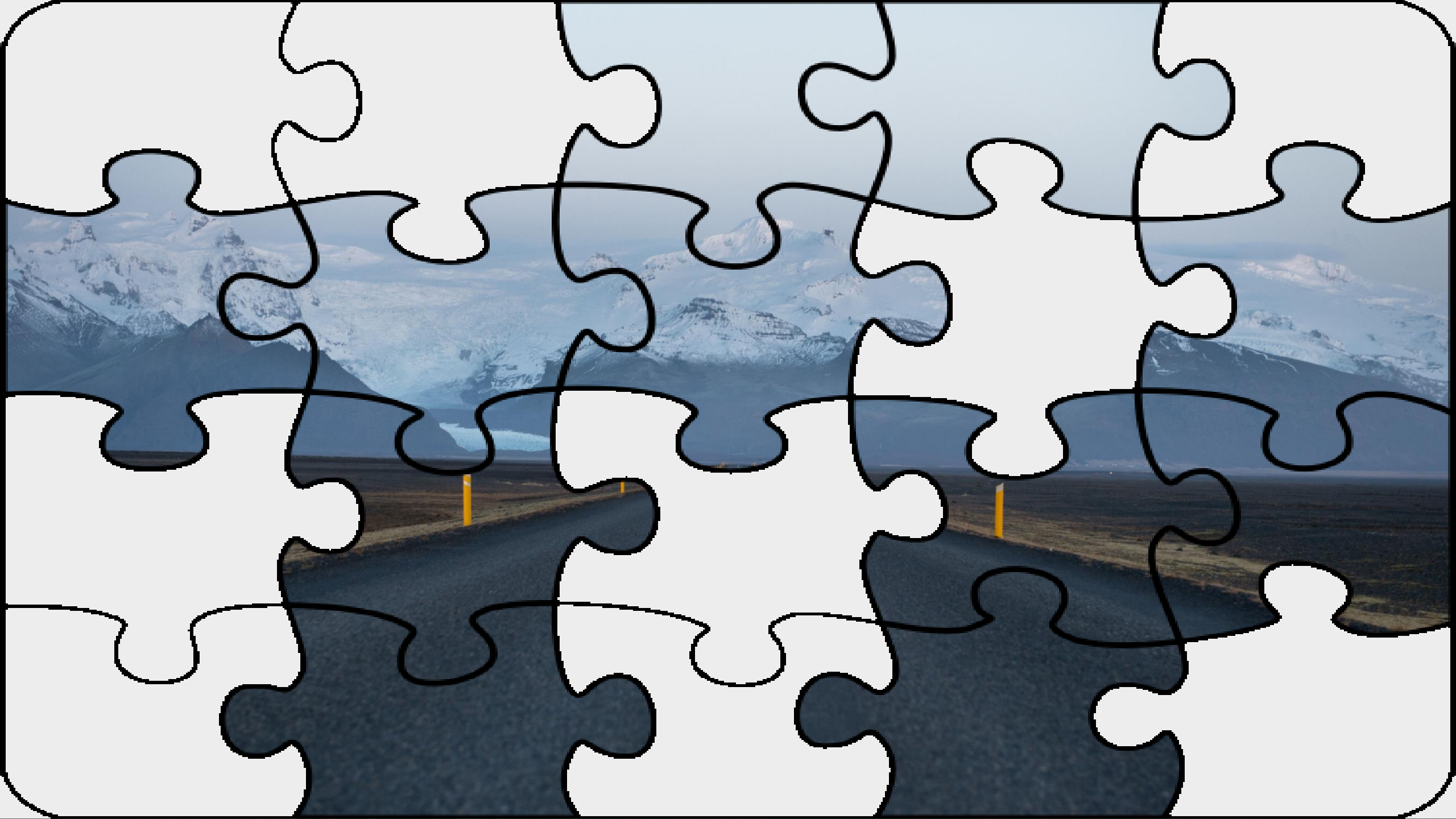


Database or a Pavement Management System

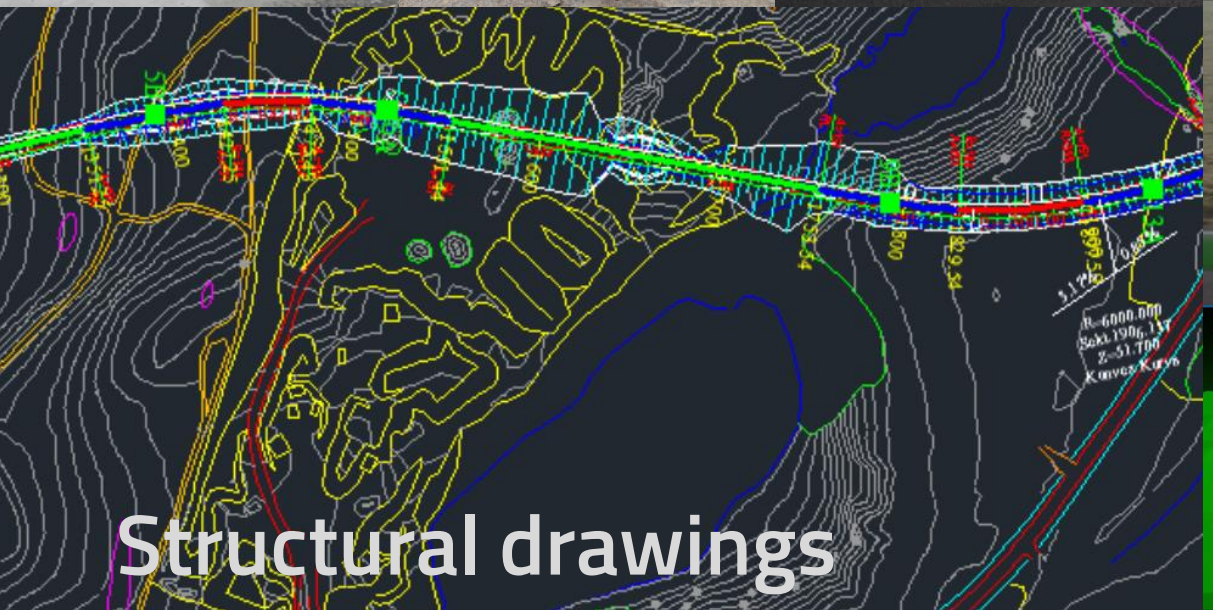
- Georeferenced data, from road reference to GPS

Surface characteristics from profilers or linescanner-systems

- Geometrical parameters
- Surface distresses (Visual inspections/Automated)



Examples of structural data



Structural data

Layer thicknesses

GPR, Coreing and Construction drawings

Structural properties

FWD and RWD (GPR)

New approach to data, variations over seasons

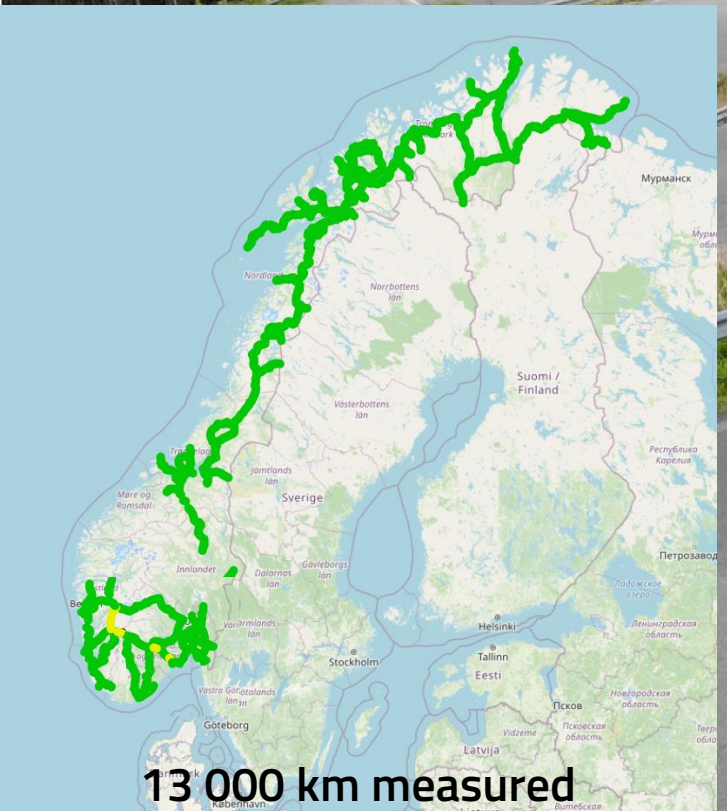
Network level data or project level? Periodical surveys?

Norwegian case study

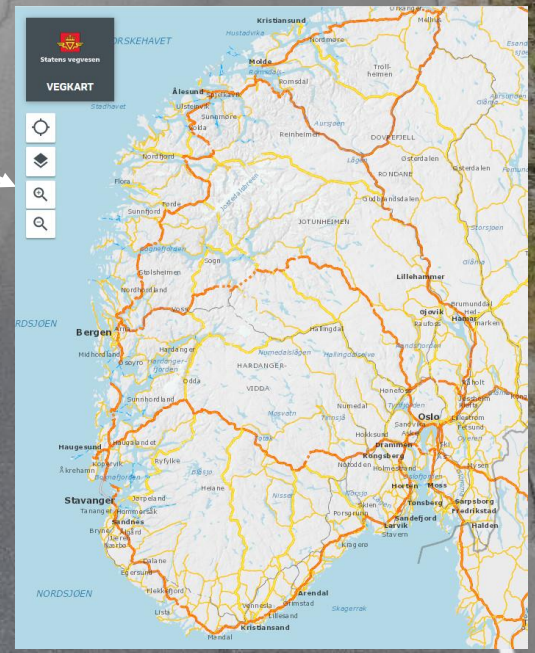
Position + Chainage
FWD equivalent deflections
Structural parameters
Layer thicknesses (GPR)

NVDB API

ASSET MANAGEMENT DASHBOARD



13 000 km measured



QUESTIONS FOR THE FUTURE

Standardising reporting and parameters, incl labeling
Combined databases, or sub systems based on categories
Approach to surveys, network or project based
Knowledge on analysis and models on a large scale

Is there a structured way of accepting and storing data?

Is that data available to a wider community? Even publicly?

STRUCTURAL DATA IS THE FUTURE!