

“Collecting data to NVDB”

Terje Brasethvik
NVDB & Geodataseksjonen, Vegdirektoratet, Trondheim
1. Amanuensis II - IDI, NTNU

National Road Data Base (NVDB)

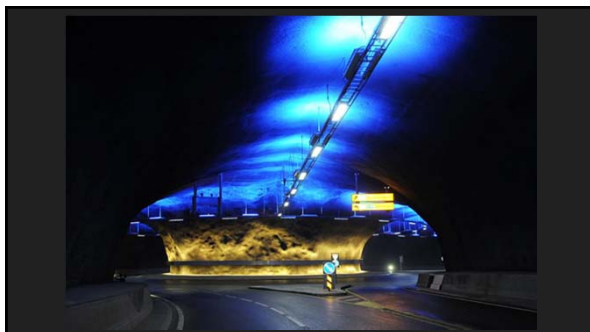


Road Network



1. Road equipment / Road construction
2. Events
3. Statistics/Measurements (Traffic, Noise, ..)

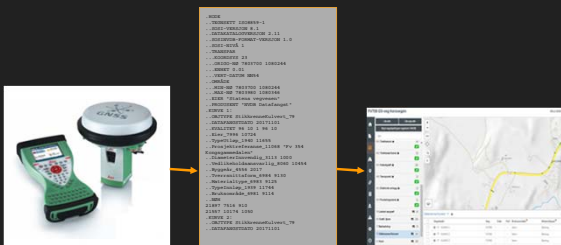
Road Objects

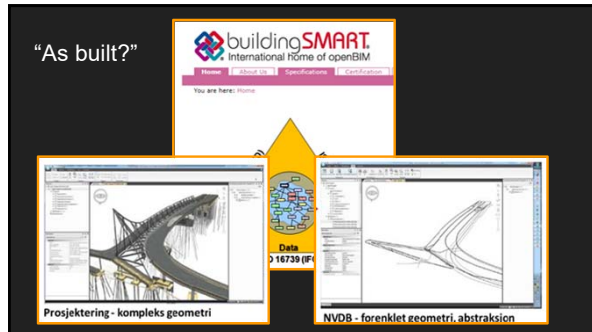


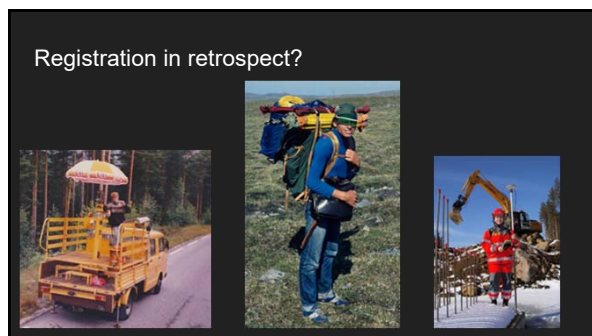
How to collect NVDB data?

1. Capture at build-time (As Built)
2. Registration in retrospect

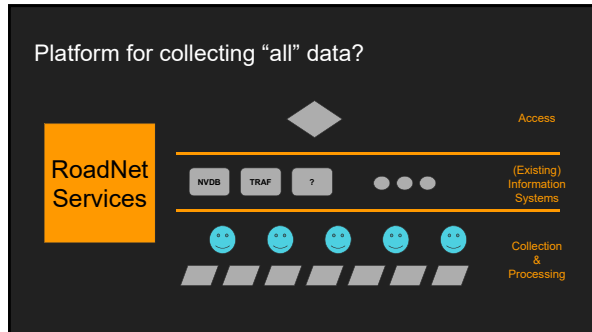
1. As built - documentation?











Data collection

- Common platform for data-collection
- No assumptions about format
 - E.g. use internet standards: Mime-types?
- Keep data "forever"
 - We may not be able to utilize them today, but maybe tomorrow?
 - Traceability

Data processing

- Autonomous agents
 - Stand-alone
 - Automatic?
- Autonomous?
 - "Chain" of simple processors
 - Pipeline or black-board architecture
 - Easily extendable
- Apply confidence-metrics in processing and application
 - Different applications require different data quality
- Tagging
 - Standard set of tags vs flexibility?
 - Minimal set of tags, e.g.
 - Location
 - Time
 - Confidence
 - Access-restriction / accessibility
 - Application specific
