Kartverket

EuroSDR

Workshop: Nationwide generation of height data - from Airborne laser scanning and other sources

Tønsberg, January 12th and 13th 2016

Program committee

- Alexandre Pauthonnier; IGN France
- André Streilein Swisstopo, Switzerland
- Piotr Wozniak, Gugik Poland,
- Andreas Rönnberg, Lantmäteriet Sweden,
- Håkon Dåsnes, Kartverket Norway,
- Ivar Aanerød, Kartverket Norway
- Jon Arne Trollvik, Kartverket Norway

EuroSDR

Kartverket

Agenda

- 4 sessions
- Consepts
- Quality
- Updating
- Applications

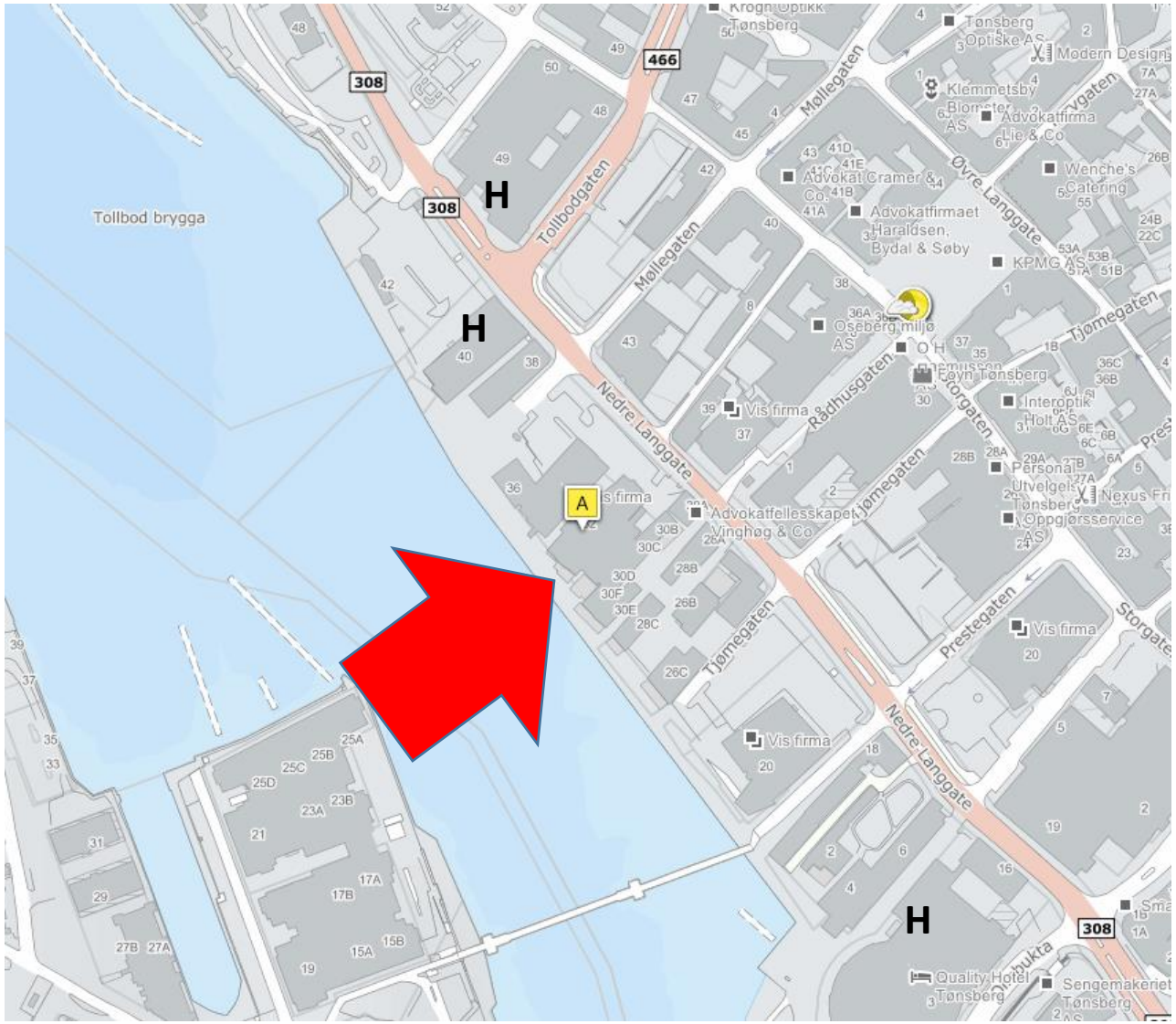
Day 1 (January 12th)	
10:00	Registration and coffee
10:30	Welcome address, goals and objectives of the WS (Jon Arne Trollvik)
10:35	Introduction to EuroSDR (André Streilein)
Session 1: Concepts	
10:45	***A new elevation data set – from conception to fruition.*** Thomas Knudsen, Geodatastyrelsen, Denmark
11:20	***High resolution elevation data in Poland*** Piotr Wozniak, GUGIK POL
11:50	***Use of aerial survey and laser scanning for production of national data base of surface water hydrology*** Vasja Bric, Geodetic institute of Slovenia, SLO
12:20	Lunch
Session 2: Quality	
13:30	***Automated routines for a quality assured terrain model*** Andreas Rönnberg, Lantmäteriet SWE
14:00	***A new segmentation-based classification methodology*** Aymeric Godet, IGN FRA
14:30	***The challenge of generating a national synchronised elevation model to support the development of 3D geospatial analysis.*** Hannah Hunt, Ordnance Survey GBR
15:00	***Technical and Organizational Aspects to Quality Control of geodata*** Robert Kroon, Geodelta B.V. NED
15:30	Coffee break
Session 3: Updating	
16:00	***Updating the Finnish ALS based 2 meter grid elevation model*** Eero Ahokas, National Land Survey FIN
16:30	***Updating of nationwide DTM and DSM: Information fusion from LIDAR and photogrammetry*** Roberto Artuso, swisstopo SUI
17:00-17:15	Wrap up day 1
20:00	Get-together dinner (no host). Restaurant Becks (at the harbor)

EuroSDR

Kartverket

- **Restaurant Becks 8 PM**
- Address: nedre Langate 32

- Start up tomorrow: 8:30



EuroSDR

Kartverket

Day 2 (January 13th)	
08:30	Introduction second day
Session 4: Applications	
08:35	***Digital Height Model of Flanders II*** Tony Vanderstraete, Flemish Geographic Information Agency, BEL
09:05	***Management and distribution of elevation data in Norway,*** Håkon Dåsnes NMA NOR
Session 5: Break-out discussion	
09:35	Presenting headlines to be discussed by the participants during the break-out session. Organize participants into 4 groups (10 participants). Moderator and referent for each group are selected.
09:45	Break out session. All topics are discussed in each group. The groups minute the discussions on posters to be presented by one member during the following wrap-up session. The content of the posters will be summarized and included in the minutes of the workshop.
11:00	Wrap-up of break out from each group.
Session 6: Closing session	
11:45	Closing session with summary of all the sessions of the workshop and finally recommendations of the workshop. Future collaboration between participating countries? Do we need follow-up workshops?
12:00	Lunch

EuroSDR

Kartverket

- Break-out discussion
  - 4 groups
  - For each group
    - 2 topics to discuss
    - 1 moderator
    - 1 rapporteur
    - Findings to the topics in digital form (e.g. ppt.)
    - 75 min time
- Wrap-up
  - Come together
  - report the findings to the audience

EuroSDR

Kartverket

- Group A (Ivar)
  - Pros/cons and workflows (best practice) of integrated data production by photogrammetry and LIDAR
  - Need for robust change (or non-change) detection process
- Group B (Alexandre)
  - Is there a need to improve or standardize tendering (documents) and technical specifications?
  - Quality assessment of elevation models (procedures/standards)
- Group C (Andreas)
  - Use cases for point clouds as basis for derived products
  - Will the point cloud replace the vector data and what will be our answer to this?
- Group D (Piotr)
  - How to maintain the expert knowledge in the production process?
  - How to involve the customers into the product definition process?

EuroSDR

Kartverket