![EuroSDR logo]

EuroSDR

André Streilein

EuroSDR

- non-profit organisation
- provides a pan-European network
- brings together mapping / cadastre agencies and academia
- for the purpose
  – of applied research
  – and securing timely, research-based knowledge
- that allows the agencies to play their role as content providers and government competence centres for geographic information and spatial data infrastructures.

EuroSDR is unique

NMCAs **+** **Research Org.**

- Members of EuroSDR are
  - National Mapping & Cadastral Organisations
  - Research Institutes
  - 2 per country

- Delegates from production and research **working together**

Operation

- Delegates meetings
- Workshops
- Research projects
- Publishing
- Educational activities

Delegates meetings

- Meet twice per year

- Research planning and management

- Keynote presentations

- Focussed discussions – sharing best practise.

Six technical commissions

- Data acquisition

- Modelling and processing

- Updating and integration

- Information usage

- Business models and operations

- Knowledge transfer

Workshops

- dialogue-based events
- establishment of state-of-the-art in a particular field
- presentations by experts in the field
- small, focussed groups (usually < 50 participants)
- may result in identification of research topics
- planning and dissemination of information on research activities
- documented and information is available for members
- short term approach (< 6 months from idea to realisation)

Recent Workshops

- Joint EuroSDR/ISPRS session about the integration of different types of **oblique imagery** at the TC I Mid-term symposium 2014 (17-20 November 2014, Denver, USA)

- EuroSDR Workshop '**Preparations for Sentinel 2 in Europe', (**25 - 26 November 2014, Norwegian Space Centre, Oslo)

- **EuroSDR/ISPRS workshop Efficient capturing of 3D objects at a national level: with a focus on buildings and infrastructure** (26 - 28 November 2014, Ordnance Survey, Southampton, UK)

- EuroSDR/ICA Workshop of the Heritage Working Group on '**Preservation of the geographical process**' (1-2 December 2014, Brussels)

- EUROSDR/AGILE/OGC/JRC/ELF Workshop **Data Modelling and Model-driven Implementation of Data Distribution** (28-30 January 2015, Danish Geodata Agency, Copenhagen)

- Workshop **NMCA's getting actively involved in Linked Data** (10 April 2015, IGN-France, Paris)

Research projects

- research activities are carried out through projects

- knowledge transfer through active participation of member and non-member organisations

- projects are executed by EuroSDR alone or in collaboration with other organisations and companies

- experiments using data acquired/provided by participants

- multi-site approach

- publication of results in official EuroSDR series

- long term approach (typical length: 1-3 years)

Sensors and Data Acquisition

UAVs/Remotely Piloted Airborne Systems (RPAS)

Erosion monitoring

Systems
System integration
Data processing
Operation

Oblique imagery
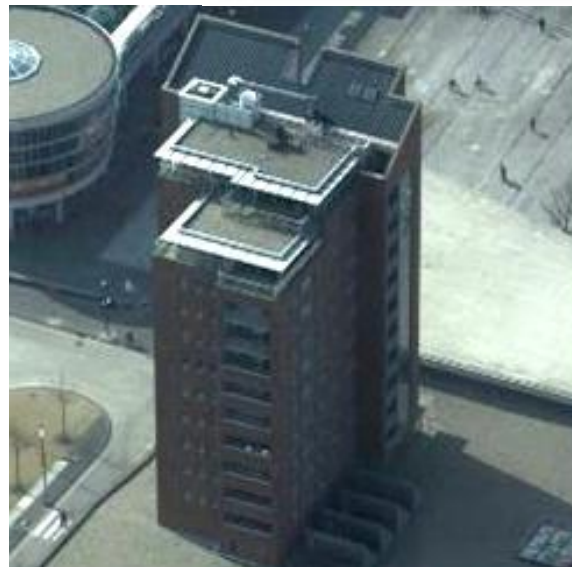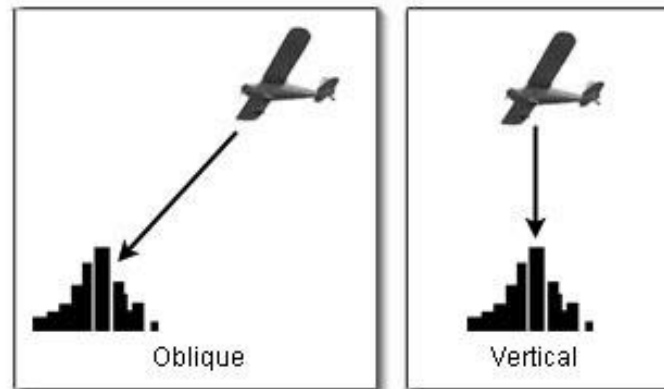
Crowdsourcing

Updating national databases project

Кишинёв
2012
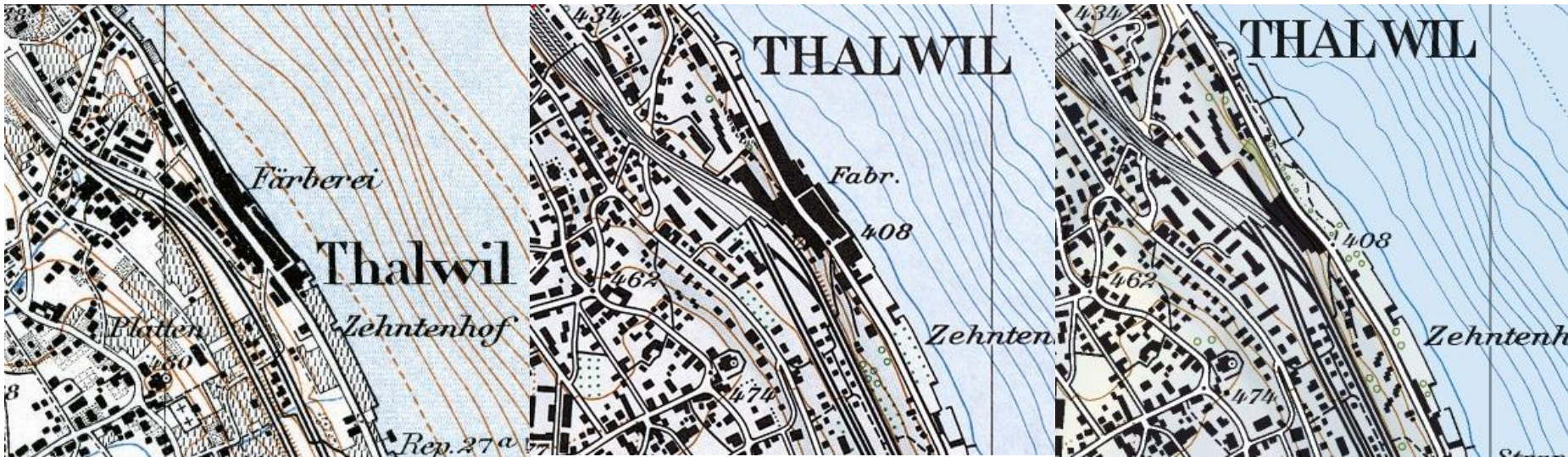Картографические данные © Участники OpenStreetMap, CC-BY-SA

Archiving
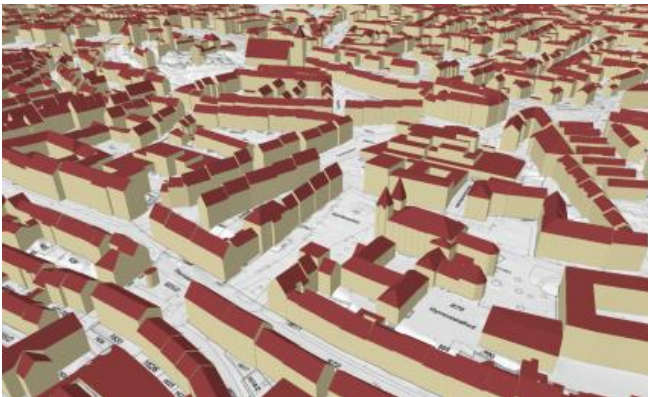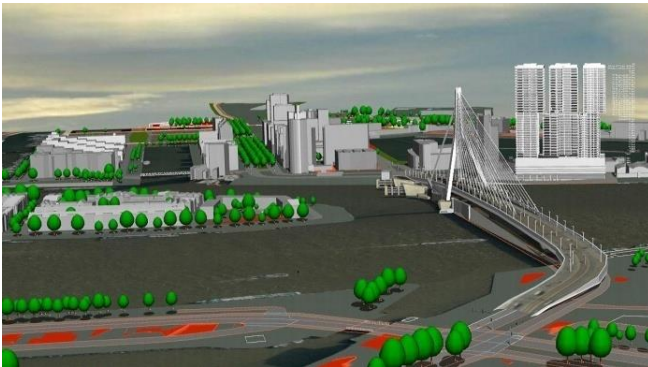
16 principles
Embedded Archiving

Long term preservation of digital Geographic Information
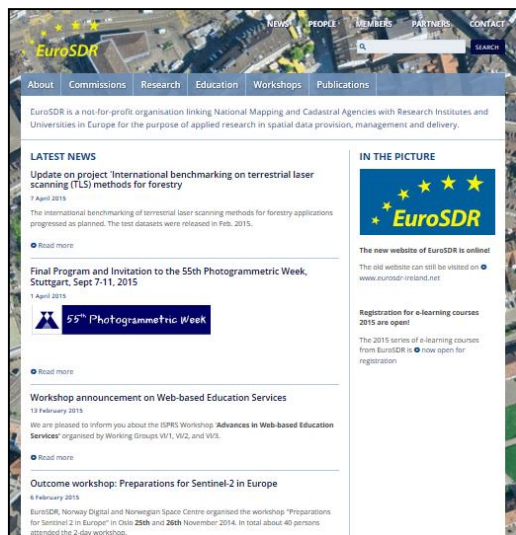
3D Special Interest Group (3D-SIG)

Addressing current issues of NMAs
- 3D data models
- capturing 3D objects
- producing 3D objects
- updating of 3d objects
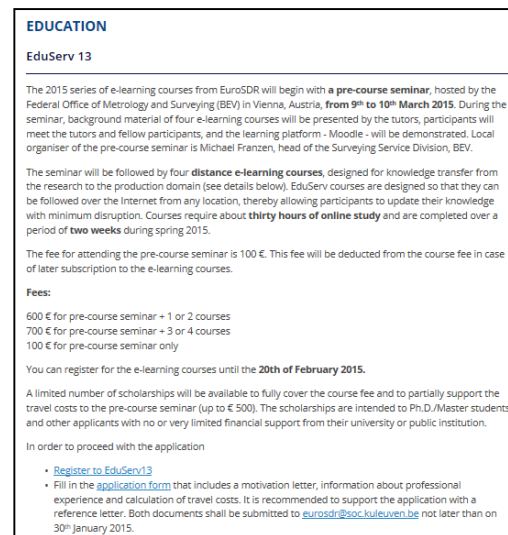- consistency of 3D data
- benefits of 3D data

Information dissemination

www.eurosdr.net

Official
publication series

Distance e-learning course

The network idea

- Form a network of GI experts within EuroSDR

- Build and maintain alliances with neighbouring organisations in GI research, development and practice
  - EuroGeographics
  - ISPRS, ICA, FIG, AGILE
  - INSPIRE
  - JRC, OGC Europe, ISO TC 211, CEN TC 287
  - ...

EuroSDR has much to offer

- Functioning **network** linking NMCA's with research institutes and private sector

- Modern relevant **research programme**

- Ability to devise, undertake and disseminate **timely research and benchmarking projects**

- Hosting and co-hosting **focussed workshops**

- Project and workshop **results**

- **Guidelines** and best practices

- Professional standard **publication series**

- **Educational Service**

- **http://www.eurosdr.net**