



EuroSDR

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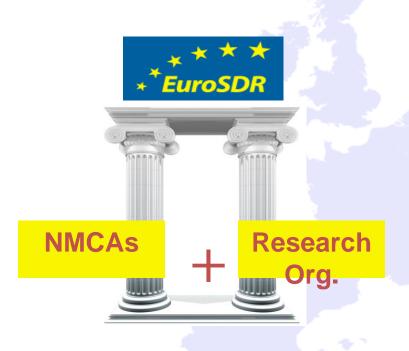




- non-profit organisation
- provides a pan-European network
- brings together mapping / cadastre agencies and academia
- for the purpose
 - of applied research
 - and securing timely, research-based knowledge
- that allows the agencies to play their role as content providers and government competence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



EuroSDR is unique



- 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)



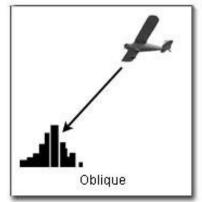
Erosion monitoring



Systems
System integration
Data processing
Operation



Oblique imagery











Crowdsourcing

Updating national databases project





Кишинёв

2012

Картографические данные © Участники OpenStreetMap, CC-BY-SA



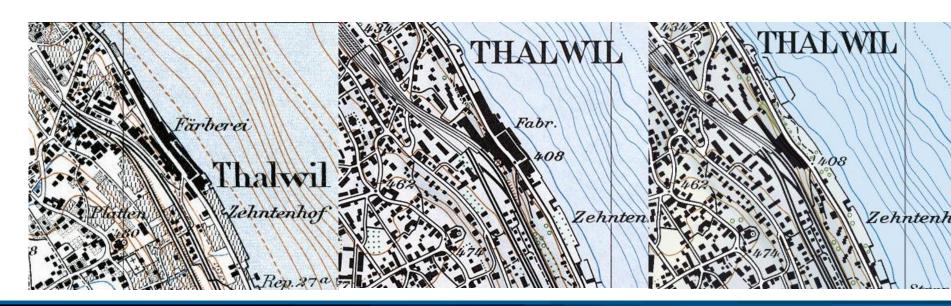


Archiving



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





Official publication series

EduServ 13 The 2015 series of e-learning courses from EuroSDR will begin with a pre-course seminar, hosted by the Federal Office of Metrology and Surveying (BEV) in Vienna, Austria, from 9th to 10th March 2015. During the seminar, background material of four e-learning courses will be presented by the tutors, participants will meet the tutors and fellow participants, and the learning platform - Moodle - will be demonstrated. Local organiser of the pre-course seminar is Michael Franzen, head of the Surveying Service Division, BEV. The seminar will be followed by four distance e-learning courses, designed for knowledge transfer from the research to the production domain (see details below). EduServ courses are designed so that they can be followed over the Internet from any location, thereby allowing participants to update their knowledge with minimum disruption. Courses require about thirty hours of online study and are completed over a period of two weeks during spring 2015. The fee for attending the pre-course seminar is 100 €. This fee will be deducted from the course fee in case of later subscription to the e-learning courses. 600 € for pre-course seminar + 1 or 2 courses 700 € for pre-course seminar + 3 or 4 courses 100 € for pre-course seminar only You can register for the e-learning courses until the 20th of February 2015. A limited number of scholarships will be available to fully cover the course fee and to partially support the travel costs to the pre-course seminar (up to € 500). The scholarships are intended to Ph.D./Master students and other applicants with no or very limited financial support from their university or public institution.

Fill in the <u>application form</u> that includes a motivation letter, information about professional
experience and calculation of travel costs. It is recommended to support the application with a
reference letter. Both documents shall be submitted to <u>curostif@soc.kuleuvob.po</u> not later than on

EDUCATION

In order to proceed with the application

Register to EduServ13

www.eurosdr.net

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