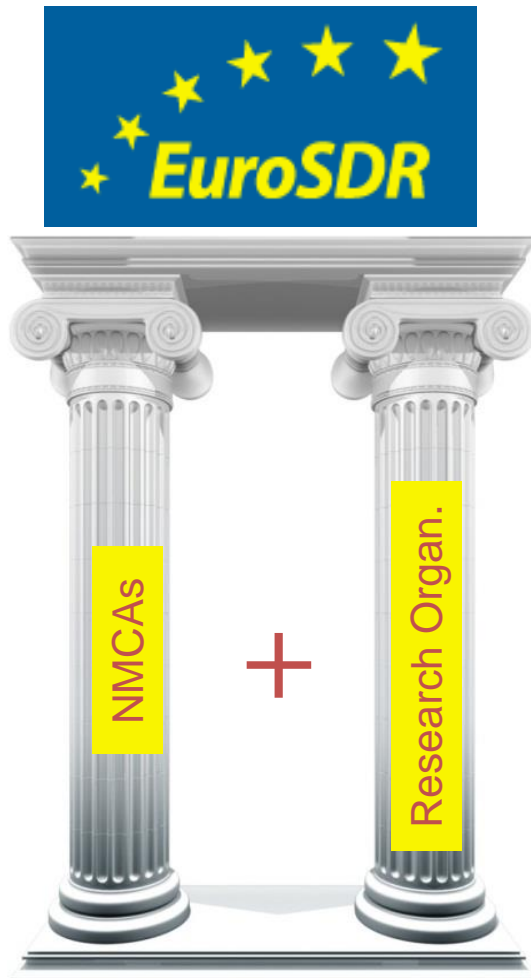




EuroSDR in a nutshell
2024

Martijn Rijdsdijk

EuroSDR – European Spatial Data Research



- Non-profit organization since 1953
- Provides a pan-European network
- Brings together NMCAs and academia
- Keep NMCAs updated on technology developments
- Purposes
 - jointly perform applied research
 - secure timely, research-based knowledge
 - provide educational activities ensuring the dissemination of the research-based knowledge gained
- 22 member countries
- Members are NMCAs & Research / Academic institutes

Operations and activities

- Technical Commissions
- Workshops
- Research projects
- Publications and info-dissemination
- Educational activities
- Board of Delegates meetings



Vijf technical commissions



- President (Wolfgang Gold, A)
- Vice President (Prof Jantien Stoter/ Prof Joep Crompvoets)
- Secretary-General (Conor Cahalane, Ire)

- 1- Data Acquisition – Prof Eija Honkavaara (Fi)
- 2- Modelling and Processing – Ivar Oveland (Den)
- 3- Information Usage and visualization - Martijn Rijdsdijk (NL)
- 4- Business Models and Operations – Frederic Cantat (F)
- 5- Knowledge Transfer – Anka Lisec (SI)

Board of Delegates meetings

- Meet twice per year in the member countries
- Reports from research activities (Commissions)
- Keynote presentations and regulation of academical research
- Breakout sessions and focussed discussions – sharing best practise
- Proposals for organizing workshops and e-learnings





Educational activities

- EuroSDR Educational Service (EduServ):
 - Four two-weeks courses in the field of GeoInformation (GI)
 - Past topics: oblique imagery, land-use land-cover, mapping with high-resolution satellite imagery, standards in the geofield, forestry mapping, Open Spatial Data Infrastructures, machine learning, linked data etc.



EuroSDR Educational Service 2022

The 20th series of EuroSDR e-learning courses will open on **February 14-15, 2022** with an **online pre-course seminar**. During seminar, the background material of the four e-learning 2022 courses will be presented by the tutors and the new platform will be demonstrated. **The four two-week e-learning courses** are scheduled from **February to June 2022**. Each course requires about thirty hours of online study.

Course Title	Tutor	Start Date	End Date
Recent LiDAR technologies	Yves Leberrier (University of Bourgogne)	February 20	March 13, 2022
Working with Vectorized and Georeferenced Geographic Information	Yves Leberrier (University of Bourgogne)	March 20	April 6, 2022
Integration of 3D city models and BIM: GeoBIM	Yves Leberrier (University of Bourgogne)	May 2	May 12, 2022
3D point cloud classification for mapping purposes	Yves Leberrier (University of Bourgogne)	May 23	June 3, 2022

400 € for pre-course seminar + 3 x 2 courses / 100 € for pre-course seminar + 3 x 4 courses
 1 year for P2C2V students covering admission fee for available (see the application form for the Education website)

For more information visit <http://www.eurosdri.net/education/current>

Courses EduServe 2025

- From traditional to AI based 3D scene capture and modelling (March);
 - Pointcloud processing and laserscanning (April);
 - Machine learning for earth observation (May);
 - Spatial Data Quality (June).
-
- [Check EuroSDR.net/education](http://EuroSDR.net/education)

Workshops/ webinars



- Dialogue-based events on state-of-the-art topics
- Presentations by experts in the field
- May result in identification of research topics
- Documentation and information is available for members
- Short term approach (< 6 months from idea to realisation)



Workshop: AI in the core applications of NMCA's

- AI, Deep and Machine Learning is not only experimental anymore;
- After lots of use cases more focus for applications in core processes eg. deed registration, quality validation of aerial images, mapping, surveying (like predictions capacity, work eg.);
- Lots of NMCA's (in coop with universities) already experimenting and working on it;
- Sharing knowledge wil support innovations and development at this point;

AI in the core applications of NMCA's

- During workshop we want to share/ discuss ideas and experiences with partner NMCA's, associate members and academia;
- Work out the common core processes;
- Discuss what should be the most effective AI-elements which could be used;
- **Proposed results: insight and overview what is happening with AI in core processes of NMCA's, opportunity to learn from each other.**
- **A report of this workshop will be published by EuroSDR**

EuroSDR network



...and more...

EuroSDR has much to offer...

- Functioning **network** linking NMCA's with research institutes and private sector
- Modern relevant **research programme**
- Ability to propose, undertake and disseminate **timely research and benchmarking projects**
- Hosting and co-hosting **focussed workshops**
- Publication of project and workshop **results** in professional standard **publication series**
- **Guidelines** and best practices
- **Educational Service (EduServ)**

More information?

<http://www.eurosdrr.net>

<https://twitter.com/eurosdrr>