ARTIFICIAL INTELLIGENCE FOR NMCAS

2nd Joint Virtual Workshop organised by EuroGeographics and EuroSDR

27 – 28 OCTOBER 2022

Join at
Slido.com
#AIWS2022

#AI4NMCAS2022

@EuroSDR
@EuroGeographics

eurogeographics

Introducing EuroGeographics

Léa Bodossian
Secretary General and Executive Director

CONNECTING YOU TO MAPS, GEOSPATIAL AND LAND INFORMATION FOR EUROPE

eurogeographics

#MAPSFOREUROPE

60+ members from the whole of geographical Europe

EUROGEOGRAPHICS ACTIVITIES

Well-established network for sharing knowledge, expertise and access to data

- Sharing experiences and best practice
- Representing our members interests
- Fostering use and re-use of public sector geo-information

MAPS, CADASTRE, AND MORE

Our members provide data to help protect people, the planet and so much more

- Environmental monitoring & management
- Real-time data for pandemic response
- Smarter, sustainable agriculture
- Cleaner, safer, intelligent transport
- Emergency responses
- Aerial survey

TRUST & RELIABILITY

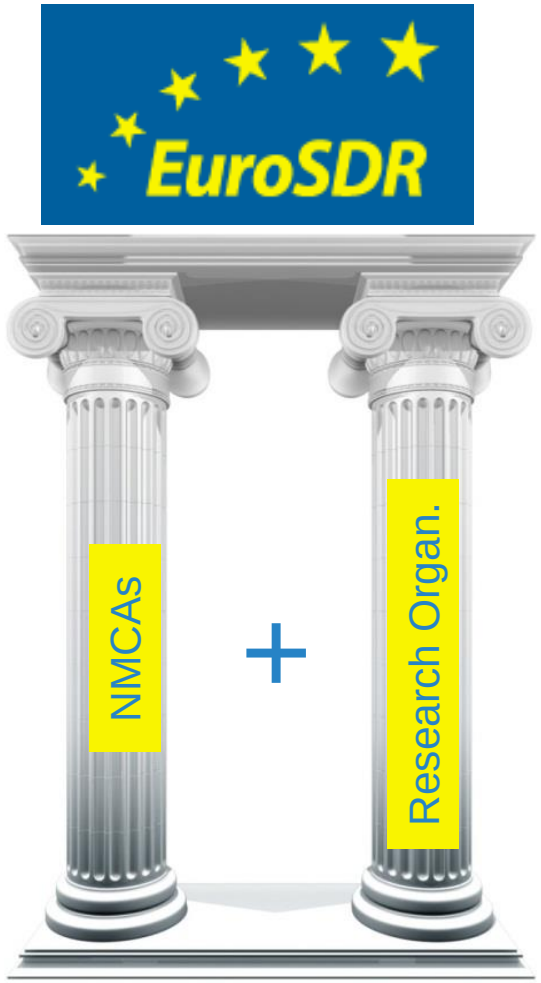
Our members empower society with trusted geospatial services

- Trusted daily everywhere for secure ownership transactions, diligent policy elaboration and monitoring
- Relied on by European institutions and UN, governments, businesses and citizens
- Registered on the EU Transparency Register and bound by its code of conduct

Introducing EuroSDR

Joep Crompvoets
Secretary-General

EUROSDR – EUROPEAN SPATIAL DATA RESEACH



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

Day 1 13:30 – 17:00 (CET) Chaired by Carol Agius, EuroGeographics		
13:30	Welcome and introduction	*Léa Bodossian, EuroGeographics* *Joep Crompvoets, EuroSDR*
13:45 – 15:10	Where is AI within the context geospatial? • AI at NMCAs in Europe • Status on AI Act legal debate • GeoAI for National Mapping & Cadastre	*Joep Crompvoets, EuroSDR* *Marjana Zelic, EuroGeographics* *Nick Land, ESRI*
	• AI in IGN France	*Matthieu Porte, IGN France*
15:10 – 15:30	AI Use Cases within Digital Flanders	*Jo Vanvalckenborgh, Digital Flanders*
15 min	*Comfort break*	
15:45 – 16:05	Presentation from Google	Ed Parsons, Google
16:05 – 16:35	Panel – AI and trust • Jo Vanvalckenborgh, Digital Flanders • Thomas Marquenie, KU Leuven • Matthieu Porte, IGN France • Ed Parsons, Google *Panel discussion, with slido polls from the audience*	*Session moderated by Joep Crompvoets, EuroSDR*
16:35 – 16:55	Data Protection Impact Assessments in Public Service and AI Technology	*Thomas Marquenie, KU Leuven*
16:55	Close Day 1	*EuroGeographics* *EuroSDR*

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Day 2 9:00 – 13:00 (CET) Chaired by *Joep Crompvoets, EuroSDR*		
9:00	Welcome to day 2	*Léa Bodossian, EuroGeographics* *Carol Agius, EuroGeographics*
9:10	Artificial Intelligence in the European public sector – what, why, how	*Sven Schade, Joint Research Centre (JRC)*
9:40	AI-usage at the public sector in Europe (incl. NMCAs)	*Colin Van Noordt*
10:00 - 11:00	Future Trends – taking NMCAs forward with AI • How AI shapes land registration in the Netherlands • Laser scanning research generates benefits for society in Finland • Country-wide mapping activities using Machine Learning and Earth Observation	*Wim Florijn, Kadaster NL* *Juha Hyyppä, NLS Finland* *Daniel Kristof, Lechner Non-profit LTD, Hungary*
	Comfort break	
11:30	Multitemporal land cover classification with Sentinel-2 images for national surveying authorities	*Mirjana Voelsen, Leibniz Universität Hannover, Germany*
11:50	Panel Discussion: Where will AI take NMCAs in the future? • Rollo Home, Ordnance Survey Great Britain • Juha Hyppa, NLS Finland • André Streilein, swisstopo • Éamonn Clinton, Ordance Survey Ireland *Panel discussion, with slido polls from the audience*	*Session moderated by Carol Agius, EuroGeographics*
12:40	Next steps and follow up *- an interactive question/comment session using slido Q&A/polls*	*Carol Agius, EuroGeographics* *Joep Crompvoets, EuroSDR*
12:55	Close workshop	*EuroGeographics* *EuroSDR*

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