

Artificial Intelligence for NMCAs

27 – 28 October 2022

Joint Workshop organised by EuroGeographics and EuroSDR

~~(The workshop will be organised as a hybrid event)~~

This workshop will be organised as an online only event

National Mapping and Cadastral Agencies (NMCAs) view Artificial Intelligence (AI) as an opportunity not a threat. This was a key takeaway from the first edition of the workshop on Artificial Intelligence for NMCAs jointly organised by EuroGeographics and EuroSDR in January 2021.

To truly be an opportunity NMCAs should not just make use of AI to enhance current products and processes, but also employ AI as a catalyst to becoming the innovative geospatial organisations of the future. To continue to serve the stakeholders and citizens as trusted public sector providers NMCAs need to anticipate, understand and meet their users' future needs; proactively moving forward with new ideas and services while retaining users' trust even if the data or services are produced using AI.

The second edition of this workshop aims to continue the conversation of AI within the context of NMCAs. By bringing together presentations and discussions about policy frameworks, research trends and experiences of implementing AI this event will focus on the role of AI on the business processes of European NMCAs.

The workshop is aimed at staff members of NMCAs and academic institutions with an interest in Artificial Intelligence in the geospatial sector.

The event will be organised as an online event spread over two half-day sessions on the afternoon of 27 October and the morning of the 28 October 2022. Please register your interest in participating in this event via this [link](#).

A draft outline agenda is available overleaf:

| Day 1 13:30 – 17:00 (CET) Chaired by Carol Agius, EuroGeographics | | |
|--|---|--|
| 13:30 | Welcome and introduction | <i>Léa Bodossian, EuroGeographics Joep Crompvoets, EuroSDR</i> |
| 13:45 – 15:10 | <u>Where is AI within the context geospatial?</u> <ul style="list-style-type: none"> AI at NMCA's in Europe Status on AI Act legal debate GeoAI for National Mapping & Cadastre AI in IGN France | <i>Joep Crompvoets, EuroSDR Marjana Zelic, EuroGeographics Nick Land, ESRI</i> |
| | | <i>Matthieu Porte, IGN France</i> |
| 15:10 – 15:30 | AI Use Cases within Digital Flanders | <i>Jo Vanvalckenborgh, Digital Flanders</i> |
| 15 min | <i>Comfort break</i> | |
| 15:45 – 16:05 | Presentation from Google | Ed Parsons, Google |
| 16:05 – 16:35 | <u>Panel – AI and trust</u> <ul style="list-style-type: none"> Jo Vanvalckenborgh, Digital Flanders Thomas Marquenie, KU Leuven Matthieu Porte, IGN France Ed Parsons, Google <i>Panel discussion, with slido polls from the audience</i> | <i>Session moderated by Joep Crompvoets, EuroSDR</i> |
| 16:35 – 16:55 | Data Protection Impact Assessments in Public Service and AI Technology | <i>Thomas Marquenie, KU Leuven</i> |
| 16:55 | Close Day 1 | <i>EuroGeographics EuroSDR</i> |

| Day 2 9:00 – 13:00 (CET) Chaired by <i>Joep Crompvoets, EuroSDR</i> | | |
|--|--|---|
| 9:00 | Welcome to day 2 | <i>Léa Bodossian, EuroGeographics Carol Agius, EuroGeographics</i> |
| 9:10 | Artificial Intelligence in the European public sector – what, why, how | <i>Sven Schade, Joint Research Centre (JRC)</i> |
| 9:40 | AI-usage at the public sector in Europe (incl. NMCAs) | <i>Colin Van Noordt</i> |
| 10:00 - 11:00 | <u>Future Trends – taking NMCAs forward with AI</u> <ul style="list-style-type: none"> 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 | <i>Wim Florijn, Kadaster NL Juha Hyypä, NLS Finland Daniel Kristof, Lechner Non-profit LTD, Hungary</i> |
| | <i>Comfort break</i> | |
| 11:30 | Multitemporal land cover classification with Sentinel-2 images for national surveying authorities | <i>Mirjana Voelsen, Leibniz Universität Hannover, Germany</i> |
| 11:50 | <u>Panel Discussion: Where will AI take NMCAs in the future?</u> <ul style="list-style-type: none"> Rollo Home, Ordnance Survey Great Britain Juha Hyypä, NLS Finland André Streilein, swisstopo Éamonn Clinton, Ordnance Survey Ireland <i>Panel discussion, with slido polls from the audience</i> | <i>Session moderated by Carol Agius, EuroGeographics</i> |
| 12:40 | Next steps and follow up - an interactive question/comment session using slido Q&A/polls | <i>Carol Agius, EuroGeographics Joep Crompvoets, EuroSDR</i> |
| 12:55 | Close workshop | <i>EuroGeographics EuroSDR</i> |