

Online Conference

GEOSPATIAL INFORMATION FOR DIGITAL TRANSFORMATION: CURRENT INITIATIVES AND FUTURE OPPORTUNITIES

Oslo, 27-29 October 2021

During past 20 years, the Norwegian Mapping Authority has been implementing capacity development projects in Eastern Europe, West Balkans, Central Asia, and other regions.

This capacity development has been focused on the establishment of national spatial data infrastructures, delivery of core geospatial datasets, building-up technical and professional capacity, contributing to economic growth and supporting the Sustainable Development Goals.

Every year since 2016, regional conferences took place in one of the beneficiary countries. Due to the pandemic, the event in Kyrgyzstan in 2020 was cancelled. This year, the regional conference will be held in a hybrid form, and it will be focused on the importance of geospatial information in the digital transformation. It will particularly look upon the land specific examples of the development of national geospatial ecosystems using the IGIF - Integrated Geospatial Information Framework.

IGIF is a United Nations endorsed Framework, jointly developed by the United Nations and the World Bank, to support the development of national infrastructures for geospatial information management in lower and middle-income countries. Since the endorsement of IGIF, the Norwegian Mapping Authority has taken an active role in promoting the implementation of IGIF in Georgia, Kyrgyzstan, Moldova, and Ukraine.



Kartverket

**Geospatial Information for
Digital Transformation**

Current initiatives and future opportunities

Oslo

 Kartverket

**Online conference
27-29 October 2021**

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PROGRAMME

WEDNESDAY 27 OCTOBER 2021 – DAY 1	
09:00 – 09:30	Registration
09:30 – 11:00	OPENING SESSION
	Chair: Hans Christian Munthe-Kaas, Director, Global geodesy, Norwegian Mapping Authority
09:30 – 09:40	Welcome and Address
	Johnny Welle, Director General, Norwegian Mapping Authority
09:40 – 09:50	Norwegian Ministry of Foreign Affairs
09:50 – 10:10	Enabling Digital Government through Geospatial Data and Location Intelligence: What needs to be done with information management in accession countries
	Léa Bodossian, Secretary General and Executive Director, Eurogeographics
10:10 – 10:20	Comfort break
10:20 – 10:40	A Future Vision for National Mapping and Cadastre Authorities
	Dr. Robin McLaren, Know Edge, United Kingdom
10:40 – 11:00	Key Registers in the Netherlands
	Haico van der Vegt, Kadaster, The Netherlands
11:00 – 12:00	Lunch break
12:00 – 15:30	INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK: LAND CASE STUDIES
12:00 – 12:05	Getting started and setting-up the scene
	Chair: John Kedar, John Kedar Geospatial Initiatives, United Kingdom
12:05 – 12:35	Keynote: Bridging the Digital Divide
	Gregory Scott, United Nations Statistics Division
12:35 – 13:05	World Bank Methodology for IGIF Implementation
	Kathrine Kelm, World Bank
13:05 – 13:15	Comfort break

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WEDNESDAY 27 OCTOBER 2021 – DAY 1

INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK: LAND CASE STUDIES

13:15 – 13:20

Norwegian Support to the IGIF implementation

Chair: John Kedar, John Kedar Geospatial Initiatives, United Kingdom

13:20 – 13:40

The Georgian Case: IGIF for Strengthening NSD

Nino Bakhia, National Agency of Public Registry, Georgia

13:40 – 14:00

Kyrgyzstan: A Model for Sustainable Base Mapping

Simon Wills, ConsultingWhere, United Kingdom

14:00 – 14:10

Comfort break

14:10 – 14:30

Republic of Moldova: NSDI National Action Plan

Pavel Ivancenco, Agency for Land Relations and Cadastre

14:30 – 14:50

IGIF Implementation in Ukraine: Challenges, Results and Perspectives

Dmytro Makarenko, Research Institute for Geodesy and Cartography, Ukraine

14:50 – 15:00

Comfort break

Panel discussion chaired by John Kedar, John Kedar Geospatial Initiatives, United Kingdom

Gregory Scott, United Nations Statistics Division

Kathrine Kelm, World Bank

Andrew Coote, ConsultingWhere, United Kingdom

Questions for panel discussion:

15:00 – 15:45

- Future directions of IGIF – what is next?
- Influencing decision makers - key strategies?
- How to improve communication and encourage response?
- Are there still challenges with data sharing?

Conclusions and closing remarks

John Kedar, John Kedar Geospatial Initiatives, United Kingdom

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THURSDAY 28 OCTOBER 2021 – DAY 2	
08:30 – 09:00	Registration
09:00 – 11:20	GEOSPATIAL INFORMATION FOR THE BENEFIT OF SOCIETY
09:00 – 09:05	Setting-up the scene Chair: Andrew Coote, ConsultingWhere, United Kingdom
09:05 – 09:25	Open Earth Observation Data Steven Ramage, The Group on Earth Observations
09:25 – 09:45	Socio-Economic Impact Assessment Alan Smart, ACIL Allen, Australia
09:45 – 10:05	Data Ethics - Location Privacy and More Denise McKenzie, Locus Charter Community
10:05 – 10:20	Comfort break
10:20 – 10:40	NSDI in Norway Arvid Lillethun, Norwegian Mapping Authority
10:40 – 11:00	Development of NSDI in Croatia from Interoperability Perspective Tomislav Ciceli, State Geodetic Administration, Croatia
11:00 – 11:20	Experiences from Poland on Open Data Policy Marcin Grudzień, Head Office of Geodesy and Cartography of Poland
11:20 – 12:20	Lunch break
12:20 – 15:30	GEOSPATIAL INFORMATION FOR THE BENEFIT OF SOCIETY
12:20 – 12:25	Chair: Rumyana Tonchovska, Food and Agriculture Organization of the United Nations
12:25 – 12:45	Fit-for-Purpose Land Administration Gavin Adlington, Independent Land Administration Expert
12:45 – 13:05	Digitalization Transformation in Serbia Darko Vucetic, Republic Geodetic Authority, Serbia

THURSDAY 28 OCTOBER 2021 – DAY 2

GEOSPATIAL INFORMATION FOR THE BENEFIT OF SOCIETY

13:05 – 13:25

Developing Moldovan NSDI through EU Twinning Project

Maria Ovdii, Agency for Land Relations and Cadastre of Moldova
Sanja Zekušić, State Geodetic Administration, Croatia

13:25 – 13:35

Comfort break

13:35 – 13:55

Use of UAVs in crisis situations

Terje Kristensen, Andøya Space, Norway
Mats Kristensen, Andøya Space, Norway

13:55 – 14:15

Experiences from Georgia: New Datasets

Galaktion Hahubia, National Agency of Public Registry, Georgia

14:15 – 14:35

Use of Geospatial Data by Local Public Authorities in Moldova

Alexandru Morcov, Congress of Local Authorities, Moldova

14:35 – 14:45

Comfort break

Panel discussion chaired by Rumyana Tonchovska, Food and Agriculture Organization of the United Nations

Darko Vucetic, Republic Geodetic Authority of Serbia
John Kedar, John Kedar Geospatial Initiatives, United Kingdom
Gavin Adlington, Independent Land Administration Expert

14:45 – 15:30

Questions for panel discussion:

- The role of spatial data infrastructure in the digital transformation of public administration
- How to measure the impact of geospatial information on society and economy?
- Location privacy: Ethical issues in geospatial data use

Conclusions and closing remarks

Rumyana Tonchovska, Food and Agriculture Organization of the United Nations

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FRIDAY 29 OCTOBER 2021 – DAY 3

08:30 – 09:00 Registration

09:00 – 11:05 INTO THE FUTURE - EMERGING APPLICATION AREAS

09:00 – 09:15 Setting-up the scene

Chair: Astrid Hvattum, Head of Business Intelligence and Innovation, Geodata, Norway

09:15 – 09:35 Spatial Knowledge Infrastructure

Dr. Lesley Arnold, CEO, Geospatial Frameworks, Australia

09:35 – 09:55 Transforming National Mapping & Cadastre with Deep Learning

Nick Land, Business Development Manager, National Mapping & Cadastre, Esri

09:55 – 10:05 Comfort break

10:05 – 10:25 Precision Agriculture

Marc Tondriaux, Chairman, European Association of Remote Sensing Companies

10:25 – 10:45 High Precision Satellite Imagery

Rene Griesbach, Regional Manager Presales, Planetlabs, Germany

10:45 – 11:05 Smart City Platform Enabling Digital Twin: Helsinki 3D+ project

Jarmo Suomisto, City of Helsinki, City Executive Office, Finland

11:05 – 12:05 Lunch break

12:05 – 14:30 INTO THE FUTURE - EMERGING APPLICATION AREAS

12:05 – 12:20 Leveraging Technology

Chair: Astrid Hvattum, Head of Business Intelligence and Innovation, Geodata, Norway

12:20 – 12:40 Geospatial for Finance Industry

Christophe Christiaen, Oxford University Sustainable Finance Programme, United Kingdom

12:40 – 12:50 Comfort break

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FRIDAY 29 OCTOBER 2021 – DAY 3

INTO THE FUTURE - EMERGING APPLICATION AREAS

12:50 – 13:10

KartAI Project

Ivar Oveland, Norwegian Mapping Authority

13:10 – 13:30

Hybrid Approaches for Sustainable Base Mapping

Anders Nesse, Norconsult Information Systems, Norway

13:30 – 13:40

Comfort break

Panel discussion chaired by Astrid Hvattum, Head of Business Development and Innovation, Geodata, Norway

Dr. Lesley Arnold, CEO, Geospatial Frameworks, Australia

Nick Land, Business Development Manager, National Mapping & Cadastre, Esri

Anders Nesse, Norconsult Information Systems, Norway

13:40 – 14:30

Questions for panel discussion:

- How feasible is satellite imagery for mapping applications?
- Impact of AI - separating fact from fiction
- Known unknowns - long-term impacts

Conclusions and closing remarks

Astrid Hvattum, Head of Business Intelligence and Innovation, Geodata, Norway