

FIG

FIG WORKING WEEK 2017

Helsinki Finland

29 May - 2 June 2017

*Presented at the FIG Working Week 2017,
May 29 - June 2, 2017 in Helsinki, Finland*



Surveying the world of tomorrow -
From digitalisation to augmented reality

Organised by



Platinum Sponsors:



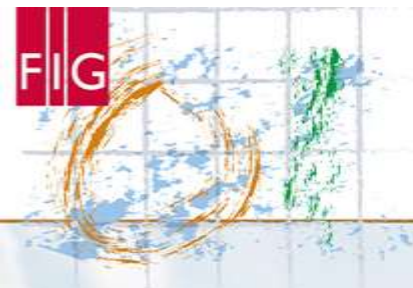


FIG WORKING WEEK 2017

Surveying the world of tomorrow -

Helsinki Finland 29 May - 2 June 2017

From digitalisation to augmented reality

Nordic Working Group for International Services / Foreign Aid

Maria Lodin, Kartverket, Norway
Peter Wasström, Lantmäteriet, Sweden





FIG WORKING WEEK 2017

Surveying the world of tomorrow -

Helsinki Finland 29 May - 2 June 2017

From digitalisation to augmented reality

How the Nordic NMCA's contribute in development projects

- To create a stronger Nordic International Services for the development cooperation
- Donor cooperation through a common voice to e.g. the World Bank
- Complementary projects
- More resources provides greater expertise
- Skills development
- Better results in the projects within beneficiary countries
- Increase the Nordic development aid and cooperation within the land sector
- Shared competence
- Cooperation on the international arena



Platinum Sponsors:





FIG WORKING WEEK 2017

Surveying the world of tomorrow -

Helsinki Finland 29 May - 2 June 2017

From digitalisation to augmented reality

Background

The Nordic countries NMCA's have since the 1970's worked with different development projects with their sister organizations in the beneficiary countries and contributes to the sustainable development, both nationally and internationally, to the society and its economic development.

The Nordic NMCA's create conditions for building and developing real property and infrastructure. They manages the legal and technical processes for buying, owning and selling real property. They are also, within each country, the national coordinator for geographical data. The Nordic NMCA's does this in collaboration with other central and local government authorities and the private sector both nationally and internationally.



Platinum Sponsors:



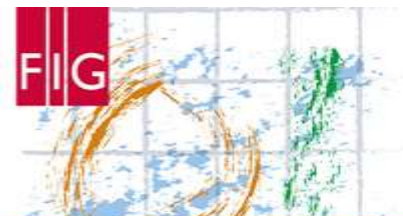


FIG WORKING WEEK 2017

Surveying the world of tomorrow -

Helsinki Finland 29 May - 2 June 2017



Projects

-  Kartverket completed
-  Kartverket active
-  Lantmäteriet completed
-  Lantmäteriet active

Nordic international development projects 2008-2017



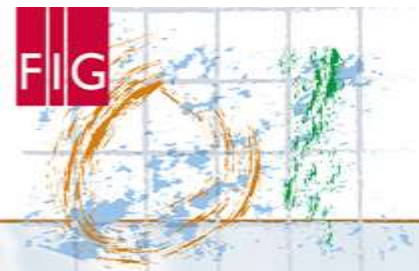


FIG WORKING WEEK 2017

Surveying the world of tomorrow -

Helsinki Finland 29 May - 2 June 2017

From digitalisation to augmented reality

LANTMÄTERIET

- Albania
- Belarus
- Bosnia Hercegovina
- Botswana
- Georgia
- Kenya
- Kosovo*
- Macedonia (FYROM)
- Montenegro
- Rwanda
- Serbia
- Tanzania
- Uganda
- Zambia



Kartverket

- Albania
- Bosnia Hercegovina
- EU (Estonia, Poland, Portugal, Romania, Slovenia & Romania)
- Georgia
- Kyrgyzstan
- Kosovo*
- Moldova
- Montenegro
- Pakistan
- Serbia
- Sudan
- Ukraine

* This designation is without prejudice to positions on status, and is in line with UNSCR 1244/99 and the ICJ Opinion on the Kosovo Declaration of Independence



Platinum Sponsors:





FIG WORKING WEEK 2017

Surveying the world of tomorrow -

Helsinki Finland 29 May - 2 June 2017

From digitalisation to augmented reality

How the Nordic NMCA's contribute in development projects

The Nordic NMCA's also contributes to poverty reduction and sustainable development through support to sister organizations in developing countries - mainly within the area of mapping, cadastre and land registration - through the Nordic NMCA's expertise.

Often land management and land administration issues are included as important components of the national development programs in these countries. Through more efficient land administration and service delivery, economic development can be enhanced, which can contribute to poverty reduction.



Platinum Sponsors:





FIG WORKING WEEK 2017

Surveying the world of tomorrow -

Helsinki Finland 29 May - 2 June 2017

From digitalisation to augmented reality

Why the Nordic NMCA's contribute in development projects

- Nordic global development policy responsibility
- Our services, processes and information are vital instruments for a sustainable, socio-economic and environmental development
- Harmonization for European integration (European countries)
- Transparent and efficient public administration
- Improved services and access to information for citizens



Platinum Sponsors:



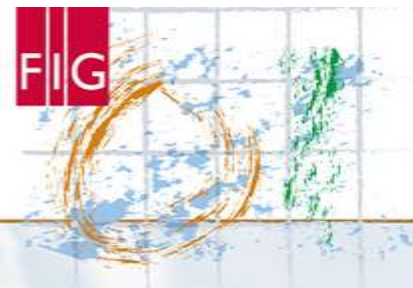


FIG WORKING WEEK 2017

Surveying the world of tomorrow -

Helsinki Finland 29 May - 2 June 2017

From digitalisation to augmented reality

Common responsibility for a common future

<p>1 NO POVERTY</p>	<p>2 ZERO HUNGER</p>	<p>3 GOOD HEALTH AND WELL-BEING</p>	<p>4 QUALITY EDUCATION</p>	<p>5 GENDER EQUALITY</p>
<p>6 CLEAN WATER AND SANITATION</p>	<p>7 AFFORDABLE AND CLEAN ENERGY</p>	<p>8 DECENT WORK AND ECONOMIC GROWTH</p>	<p>9 INDUSTRY, INNOVATION AND INFRASTRUCTURE</p>	<p>10 REDUCED INEQUALITIES</p>
<p>11 SUSTAINABLE CITIES AND COMMUNITIES</p>	<p>THE GLOBAL GOALS For Sustainable Development</p>			<p>12 RESPONSIBLE CONSUMPTION AND PRODUCTION</p>
<p>13 CLIMATE ACTION</p>	<p>14 LIFE BELOW WATER</p>	<p>15 LIFE ON LAND</p>	<p>16 PEACE AND JUSTICE STRONG INSTITUTIONS</p>	<p>17 PARTNERSHIPS FOR THE GOALS</p>



Platinum Sponsors:





FIG WORKING WEEK 2017

Surveying the world of tomorrow -

Helsinki Finland 29 May - 2 June 2017

From digitalisation to augmented reality

How the Nordic NMCA's contribute in development projects

The overall target of the Nordic NMCA's development assistance is to ensure that those in poverty have the ability to improve their living conditions and also to work with improving land administration and tenure security. There are following three important areas of priority for equitable and sustainable development:

- Democracy and human rights
- Climate and environment
- Equality and women's role in development



Platinum Sponsors:





FIG WORKING WEEK 2017

Surveying the world of tomorrow -

Helsinki Finland 29 May - 2 June 2017

From digitalisation to augmented reality

Approach

The cooperation between the Nordic MCAs is traditionally strong, both because of the geographical circumstances but also because we are all small countries that can benefit a lot from cooperating. We generally have similar views and approaches to different tasks for our operation and it make sense to join forces. If we can use each other resources, we do not have to reinvent the wheel because somebody might sit on the solution in any of our neighboring countries. We wish to also transfer this philosophy to the countries we work in with our development projects.

More donors in a development project might not necessary mean a better result but if the donor-coordination is excellent and efficient this might very well be the case. We think we can provide such communication.



Platinum Sponsors:





FIG WORKING WEEK 2017

Surveying the world of tomorrow -

Helsinki Finland 29 May - 2 June 2017

From digitalisation to augmented reality

Conclusions

With multiple well-established mapping authorities supporting an agency in a less developed country, we can ensure capacity building in a coordinated, well-thought through and efficient manner. The key experts/resources that cannot be released from one NMCA could be found within another NMCA.



Platinum Sponsors:

