

Study visits

In March and April, we welcomed several international delegations at Kadaster.

Brazil

A visit by the Brazilian delegation from the University of Santa Catarina (UDESC) was organised in cooperation with ITC, Faculty of University of Twente. Aim of the visit was to show how cadastral data is integrated in the key registry system in the Netherlands. One of the presentations zoomed in on the facility for the Key Register for Addresses and Buildings which is managed by Kadaster.

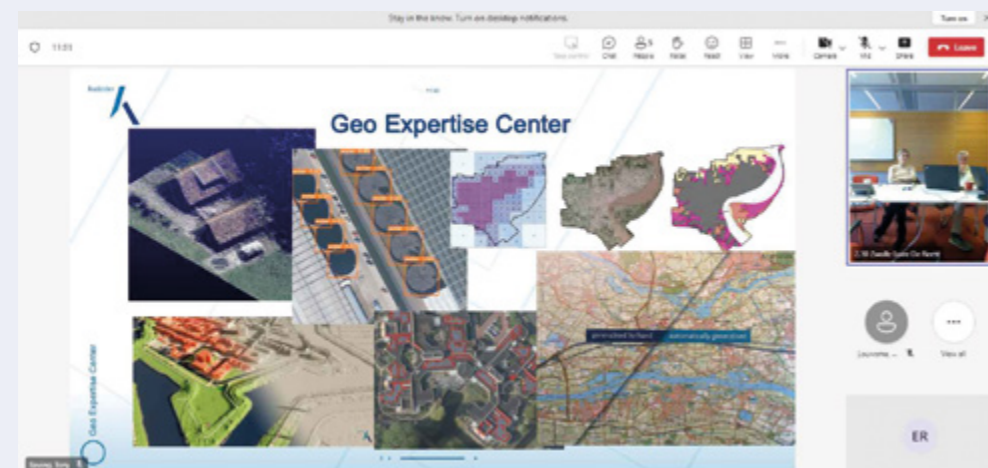


Estonia

An Estonian delegation of the Land Board visited for an exchange on 3D developments in land administration. This visit was part of the EU Technical Assistance and Information Exchange (TAIEX) that facilitates Public Administration Cooperation Exchange. The delegation learnt about Kadaster's 3D strategy, the BIM legal project, and technical solutions used for implementation. The delegation also visited the GeoBIM summit in Delft and met with the 3D geo-information research group of the Technical University of Delft.

Bosnia and Herzegovina

Two specialists from our sister organisation FGA in Bosnia and Herzegovina paid us a visit to learn more about topographical mapping. We demonstrated the entire process from data acquisition (e.g. aerial imagery), to topographical mapping (TOP10NL), as well as visualisation techniques. We also shared our strategy for maintenance and further development of the mapping products and services. As part of the SPATIAL project, Kadaster is asked to review the strategy for topographical mapping in Bosnia and Herzegovina during an advisory mission.



Benin

Three experts from three different agencies visited us from Benin: the Land Registry (ANDF), the Ministry of Finance, and the Agency for Digital Government (ANSI). We explained them how the Netherlands has set up its digital land registration processes and information system. We discussed the design of the cadastral system in Benin, which is based on the Fit-For-Purpose Land Administration Approach and LADM. The insights from the visits will be used to further progress our work in the PPMEC project in Benin.



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Data reliability is key for effective land governance in Chad



Land governance in Chad is complex, marked by a mix of colonial-era laws and customary systems. This has led to various challenges complicated by factors like climate change, population growth, and societal shifts. We talked with Youssouf Faradj Mabrouk, Secretary General for the Ministry of Territorial Planning, Urban Planning and Housing.

What do you see as the key challenges in the land sector?

Mabrouk: "Key issues include defining clear responsibilities among stakeholders, establishing a cohesive vision for the land sector, updating legislation that respects local customs, and improving land administration procedures. Land disputes, widespread corruption, and forgery in land transactions further complicate matters. Effective collaboration between judicial and land registry services is crucial to address these challenges and to manage land issues efficiently. Currently, more than 80% of disputes handled by courts concern land issues."

What is your future vision for Chad?

"Looking ahead 10 to 15 years, Chad aims to draft a new national land policy to enhance property rights and land tenure. This policy should incorporate social and gender inclusiveness, innovative conflict mechanisms, and include the establishment of an 'one-stop shop' for land affairs. This should

lead to streamlined land documentation processes and improved rural and urban living environments as well as better city management."

What is needed to achieve this and how can Kadaster play a role?

"Reliable and up-to-date data play a pivotal role in driving effective land governance. It facilitates long-term land use planning, urban mapping, and risk reduction strategies. However, utilising this data effectively requires capacity-building efforts. Close coordination between government agencies and development partners as Kadaster is essential for successful data collection, analysis, and management. The absence of accurate data hampers crisis planning and service provision. It hinders governments' ability to secure funding and undermines coordination efforts. Therefore, investing in data reliability and information infrastructure is critical for sustainable and equitable land management in Chad."

Editorial

The progress on achieving the Sustainable Development Goals, including the ones related to land, is upsetting. We must ask ourselves: will we accept this, or will we push harder?

As land professionals, we hold the key to unlocking the transformative potential of land. This journey requires more than just rhetoric—it demands tangible action. From Washington to Rotterdam to Accra, last month's World Bank Land Conference, Geospatial World Forum, and the FIG Working Week, have all served as a call to action for land professionals around the world.

In this issue, you can read about our concrete action. Such as training professionals in Nepal and Tunisia on applying Fit-For-Purpose land administration. Supporting the development of local land use plans in Rwanda and set up a system to monitor and enforce these plans. And building local capacity in Benin to validate cadastral data and promote transparency and accountability in land administration.

Let us all keep moving forward with determination, as the future of our planet depends on today's actions!

Paula Dijkstra | Director Kadaster International

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Sustainable land use planning in Rwanda

Under the Land-at-Scale programme of the Netherlands Enterprise Agency, Kadaster supports the National Land Authority (NLA) of Rwanda in assisting local districts to develop district land use plans (DLUPs). These DLUPs must align with the national land use plan. In this plan, Rwanda aims for the sustainable use of land in the entire country.

Integrated approach

There are quite a few challenges to tackle while developing the district land use plans. The rapidly growing population leads to a high pressure on resources, a high demand for affordable housing, a need for increased food production, and a need for better infrastructure. Yet, climate change has its effect on Rwandan land too. Unusual rainfall patterns considerably affect agriculture, leading to soil erosion, floods, and droughts.

Multi-stakeholder process

Working together with other government agencies enables a more integrated and sustainable plan. This allows for drawing on the expertise from sectors like forestry, nature conservation, agriculture, hydrology, housing and considering various interests. In the project, spatial SWOT analysis was shared as a tool by Kadaster to bring structure, take up different interests into account and decide on a strategy for sustainable development in each district. Also, a group of stakeholders reviewed several draft DLUP's as to increase an integrated approach.

From plans to implementation

Developing a land use plan is one thing. Making sure that actors comply with the plan is another. Together with NLA, we are developing an approach for monitoring and enforcement of the DLUPs, once the land use plans are approved.

Towards operational efficiency and accountability in Benin

Through robust quality control measures and capacity-building initiatives, the Project Preparing for the Scaling up of the National Cadastre in Benin (PPMEC) strengthens the foundation of sustainable land management while empowering local authorities. Kadaster is one of the three key partners that executes the project and builds capacity within the land registry in Benin, ANDF.

Reliability of land records

In recent months, PPMEC has intensified efforts to ensure the accuracy and reliability of land records, essential for effective governance. With over 500,000 parcels collected during the project's duration so far, rigorous quality control measures have been implemented to validate the cadastral data. This fosters trust among stakeholders and facilitates informed decision-making, both crucial for development planning.

Land record maintenance

Moreover, PPMEC has been proactive in equipping local authorities with tools and expertise to modernise land administration practices. Municipalities and provinces have been introduced to the application 'e-foncier'. This digital database stores and manages all data that has



been collected during the project. It is designed in such a way that it can store and manage the approximately 8 million parcels of Benin. The system streamlines the (future) maintenance of land records, a fundamental aspect of sustainable land administration. Kadaster is the main advisor for building and maintaining the system. By enabling officials to manage and update land records efficiently, it ensures their quality and accessibility for future reference.

Effective use

PPMEC's initiatives signify a shift of ANDF towards digital solutions for improved governance, offering municipalities and provinces the means to utilise the e-foncier Benin application effectively. This not only enhances operational efficiency but also promotes transparency and accountability in land administration processes.

Kadaster and GLTN activities in 2023-2024

In April, Kadaster and the Global Land Tool Network (GLTN) successfully completed joint activities for 2023-24. Together, we aim to increase access to land and tenure security for all to reduce poverty. This collaboration focuses on strengthening public-private partnerships and enhancing knowledge exchange in the land sector.

Provide training and advice

Kadaster conducted a workshop with land professionals in Nepal and Tunisia on the practical application of Fit-For-Purpose Land Administration (FFPLA) and the UN-GGIM Framework for Effective Land Administration (FELA). Kadaster, the GLTN STDM advisory committee and partner organisations, discussed enhancements and future directions of the Social Tenure Domain Model (STDM).

Contribute to Sustainable Development Goals (SDGs)

We focused on knowledge exchange and capacity building with stakeholders in national, regional and global settings, to contribute to increasing the number of people with secure tenure rights to land (SDG 1). While at the same time addressed climate-land nexus to protect, restore, and manage land more sustainably and efficiently (SDG 15). Land tenure security and climate policies have direct

linkages and affect each other. Governments and stakeholders need to be aware and able to act to build policies that bring synergy.

Grow the land community

In the last decade the partnership between GLTN and Kadaster generated impact on the land sector. As land community we need to do more, collaborate on a broader scale, and look for new ways to make sure we can deliver upon the SDGs in 2030! If you have ideas, or see potential for partnership, reach out!



UNGGIM expert group meeting in Mexico

In April, members of the UNGGIM expert group on land administration management gathered in Aguascalientes, Mexico. The National Institute of Statistics and Geography of Mexico (INEGI) hosted a seminar which was followed by two days of working sessions.

The aim of the meeting was to discuss and share international experiences on the benefits and merits of effective land administration. The Framework of Effective Land Administration (FELA) has been recognised as a comprehensive framework for countries to strengthen their land administration systems, promote sustainable land management practices, and support inclusive and equitable development.

On behalf of the Netherlands, we shared examples of the application of the framework from the Netherlands and from our projects in Chad, Indonesia, Armenia, and Nepal.

Further reading on the Framework for Effective Land Administration (FELA):



Regional workshop Spatial II Mostar

Last March, a regional workshop took place in Mostar, Bosnia and Herzegovina (BiH) as part of the ongoing SPATIAL II project in the Western Balkan. It was hosted by the Federal Geodetic Administration (FGA) of BiH.

The workshop focused on two themes. Firstly, the potential of remote sensing and aerial imagery for various applications. Secondly, strategies for sharing geodata.

Denis Tabučić of FGA: "I am delighted that the workshop, organised jointly with Kadaster, brought together experts from across the region to explore innovative strategies in data acquisition and sharing. We are grateful for the dedication and collaboration of all participants and look forward to continued progress in enhancing cadastral practices and spatial data infrastructure in the Western Balkans."

