



**Our projects**



To the project page

**Small talk**

**Support to Global Land Tool Network**

In September, UN-Habitat partnered with Kadaster International to support the Global Land Tool Network. This alliance of international partners aims to reduce poverty by increasing access to land and tenure security for all. Under this partnership, we organised a workshop on the Social Tenure Domain Model (STDM). The workshop will result in a new easy-to-follow publication on STDM in 2024.



**Study visit SPATIAL 2 project**

A delegation from GARS (Bosnia Herzegovina) and RGA (Serbia) visited Kadaster to learn more about mass valuation and real estate taxation. Since municipalities manage real estate taxation, we visited GBLT a government agency in charge of municipal and waterboard taxes. They updated us on operational aspects of property valuation (residential and non-residential) and how to collect real estate tax. We also visited the Netherlands Council for Real Estate Assessment. How do they check whether municipalities are properly implementing the Real Estate Valuation Act? We also reflected on various methodologies for mass valuation of real estate from the contexts in Bosnia Herzegovina and Serbia.



**Moldova hybrid missions**

Due to conflicts in the region and related travel restrictions, between July and September, the Kadaster team took several of its ongoing projects with the Republic of Moldova online. These were linked to assessing the governance and organisational arrangements of the relevant cadastral agencies, and supporting the development of its NSDI related data models. The latter had a specific focus on capacity development. Good will and good communications ensured good quality project results. These are now being assessed and will feed into future collaborations on land administration and NSDI reform in the country.



**Kadaster Abroad** is a newsletter of Kadaster International.

Kadaster International is a department of the Netherlands' Cadastre, Land Registry and Mapping Agency (Kadaster).

Kadaster is responsible for safeguarding legal certainty of immovable properties in the Netherlands.

**Editorial address**  
P.O. Box 9046  
7300 GH Apeldoorn  
The Netherlands

**Contributions**  
Laura Juanita Becerra  
Rohan Bennett  
Karin de Bourgraaf  
Pauline van Elsland  
Floor de Goede  
Femke Hoekstra  
Nicolas Porras  
Joop van Staalduinen

**Contact**  
t (+31) 881 83 30 52  
e kadaster.international@kadaster.nl  
w www.kadaster.com

**Photography**  
Kadaster

**Design and layout**  
Peter Donderwinkel

**Print and lithography**  
de Bondt, Barendrecht

**Subscriptions**  
Should you no longer wish to receive the paper version of Abroad, please let us know at kadaster.international@kadaster.nl

**Digital newsletter**



Sign up



# abroad

newsletter of kadaster international | december 2023

## Community participation ensures complete cadastre in Indonesia



108 million plots mapped, 18 million to go. Septein Paramia Swantika works at the Ministry of Agrarian Affairs and Spatial Planning/National Land Agency (ATR/BPN) in Indonesia. She has been working on modernising land registration for many years. What are her current ambitions and challenges?

Swantika: "In 2017, ATR/BPN launched a complete systematic land registration activity. The aim is to map all land plots to achieve a complete cadastre for Indonesia in 2025 with 126 million plots. Currently, the ATR/BPN has mapped 108 million plots throughout Indonesia."

mapping, both at central and regional level. Topics included Fit-for-Purpose Land Administration, 3D cadastre design, flying (or non-georeferenced) parcels and unique parcel identification. Hundreds of staff members participated in these trainings over the last three years."

**Speed through community participation**

"We have taken various efforts to speed-up complete village mapping. This started with a pilot project, the Participatory Land Registration (PALAR) project in Lampung Province with Kadaster International, in 2014. We learned to accelerate land registration through community participation. Our citizens highly appreciate it."

**Training hundreds of staff**

"In our current project, we held several webinars and on-site trainings with experts from Kadaster International. We increased human resource capacity in surveying and

**Improving quality**

"Recently we went for a study visit to the Netherlands. Here, we gained knowledge on improving the quality of land plot data. The things that still us are related to the completion of the registration of land plots and improving mapped land plots. Training by Kadaster International has given us technical reinforcement and insight into how to speed-up the resolution of these kinds of problems. It is useful to gain perspectives from the Netherlands and other countries. It really helps us to find our own solutions."

 **Luc Groot**  
regional manager Asia



**Editorial**

The 2030 Agenda for Sustainable Development provides the roadmap for a more sustainable environment. At the midpoint of implementation, it is quite clear: the world is falling short of meeting most of the goals by 2030.

The global sense of urgency and the pressure on land have showed the increasing relevance of our profession. Many people have no formal land rights. Many governments still do not have access to adequate data on their populations and territories. Timely, high-quality disaggregated data are essential if we want to leave no one behind.

It is motivating to see how the efforts of UN-GGIM are recognised and implemented more and more. Every day we make sure to align our projects with the UN-GGIM frameworks. And to work side by side with our partners in land administration and geo-information.

We welcomed four new team members this year. All are motivated to make a change. We all have a huge task ahead. I hope you stay ambitious to rescue people and planet!

Paula Dijkstra | Director Kadaster International

**Inside this issue**

- > Impact of land titles in Colombia
- > Scaling Benin's national cadastre
- > User-oriented cadastral system in Armenia
- > New: cadastral map shows quality labels



The FIG Commission 7 annual meeting took place from 2-4 October in Deventer, The Netherlands

## Digital transformation for responsible land administration

Kadaster along with the University of Twente (ITC Faculty) were proud to host the annual meeting of the International Federation of Surveyors (FIG) Commission 7 (Cadastral and Land Management). The theme of the week was 'Digital transformation for responsible land administration'.

Land administration is fundamental in delivering sustainable and responsible growth, including many of those objectives encapsulated in the 2030 Agenda and the sustainable development goals (SDGs). Digital transformation can help speed up achievement of the agenda.

The meeting included a 3-day technical program, 16 technical sessions, 4 keynote sessions, 45 full or abstracted papers, 113 attendees, 27 countries represented, 2 excursions / field visits, and sponsorship from Esri, Trimble, Leica, and VNG. Working groups discussed implementation of the UN Framework for Effective Land Administration (FELA); fit-for-purpose land administration (FFPLA); 3D land administration; the land administration domain model (LADM); AI and remote sensing applications in land administration; women's access to land; integrated land use planning and land tenure management; land administration education; and comparative cadastres.



Rohan Bennett  
senior geodetic advisor

## What is the impact of land titles in post-conflict Colombia?



Kadaster is wrapping up the 'Land in Peace' project, which focused on the joint development of Fit-For-Purpose methodologies. We want to assess the short-term impact of the project's land titling activities in post-conflict Colombia.

Generally, land titling leads to improved access to credits, investments, legal security, and sustainable management, among others. To find out if this is really the case, we interviewed inhabitants from the small town Cumaribo and from five rural villages in Apartadó. Where, between 2018 and 2021, over 500 property titles were handed out through the project.

"The title benefits me because I can take out a loan. I can develop as a businesswoman and the value of my house increased. Some people lost aid from the state after they received the title. But in the long term, they will benefit because the land value will rise."

*(Beneficiary of land titling programme, Cumaribo)*

The study is in full progress. First findings show that the title gives owners more certainty to pass on property to next generations. Whereas before, many of them were displaced caused by the armed conflict.



Mathilde Molendijk  
regional manager Latin America

## Scaling Benin's national cadastre

Together with MDF and VNG, Kadaster is taking part in the preparatory project for the scaling of the national cadastre in Benin (PPMEC). The National Land Registry Agency (ANDF), municipalities, notaries, surveyors and civil society organisations are preparing to manage the national cadastre in a sustainable manner.



Damien Nledji Gbedji, PPMEC project manager, explains the importance of the national cadastre for Benin. "First, it will provide security in terms of land rights. This is very important because there are many conflicts over land



in Benin. The government has even set up a special court to resolve land disputes. Over time, the national cadastre can also improve Benin's finances by enabling better and fairer taxation of land. This will allow for the investment needed to build the country."

According to Damien, the main challenge is the timely adaptation of the law. Implementing the new processes and formalising the actors will require an adaptation of the current legal code. This is a challenge for all stakeholders.



Christelle van den Berg  
regional manager Africa

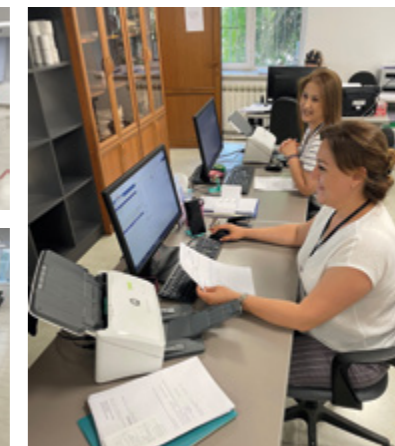
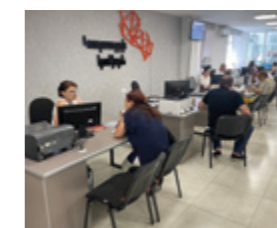
## User-oriented cadastral system in Armenia

In September, the project 'Digitalisation of the cadastre archives in Armenia' was successfully completed. Started in February 2020, and financed by the Dutch Enterprise Agency (RVO), it survived the pandemic period by adjusting its way of working and expected results.

Kadaster supported the Cadastre Committee in Armenia in digitising its cadastral archives. Digital transformation is essential for moving towards a modern, online, user-oriented cadastral system. We worked closely together with the Cadastre Committee of Armenia and received active support from the Dutch Embassy in Yerevan. Both partners were happy with the achieved results.



Haico van der Vegt  
regional manager Europe & Central Asia



## New feature: cadastral map shows quality labels for boundaries



Kadaster publishes the cadastral map, which shows the location and boundaries of parcels. As professional users know, it is a graphic representation mainly meant for orientation. Since the map is available as an open dataset, its use has increased tenfold. Now, also many non-professionals make use of the map. This group often assumes that the cadastral map can be used for exact measurements. But that's not the case. Only surveyors can provide information about exact measurements.

To make everyone understand that the cadastral map is just for orientation, we developed a new feature: quality labels for boundaries. These labels provide insight into the accuracy with which the boundaries are depicted, by providing information about the deviation of the drawn boundaries on the map compared to actual boundaries in the terrain.

You can access this open dataset on the website Public Services on the Map ([www.pdok.nl](http://www.pdok.nl)).