

# abroad

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## Towards a digitised citizen-oriented Armenian cadastre

Armenia is moving towards a more transparent, secure, unified and citizen-oriented cadastral system. To achieve this, digitising cadastral archives is essential. Digital availability of cadastral information will enable better management of lands, documented rights and tenure security for all Armenians. The Cadastre Committee (CC) has requested Kadaster for support.

### Modern and broad service

In Armenia there is currently no unified approach to archive cadastral and land registry records. The integrated cadastre on real estate has little ability to support management and assessment of lands and real estate, and the registration of the natural, economic and legal status of those lands. The CC plans to reform by introducing an advanced self-service and paperless system, based on electronic registration and information processes. This digital system will be one of the pillars of the new real estate cadastre. Digitisation will have a positive influence on the functioning of the Armenian Government and the private sector. Databases for e-Governance will serve as a foundation for a modern and broader service provision of the Government of Armenia, which will have a positive effect on corruption reduction and Government accountability.

### Dutch support

CC has asked the Netherlands, and specifically Kadaster, for support with digitisation of its archives. The project is supported by the Netherlands Enterprise Agency (RVO). In October 2019, Kadaster and CC experts exchanged experiences during a TAIEX (EU funding)

expert mission in Yerevan.

The interactive meetings gave valuable insights in the current situation and also demonstrated the strong ambition and willingness of CC staff to digitise the complete archives.

### Project start

In the coming years Kadaster will support CC with the digitisation strategy and implementation. The project starts with detailed assessment of both the existing archives and related documents, as well as the systems and processes used to manage them. Also the experts of CC will have the opportunity to visit the Netherlands.

| Paula Dijkstra



## Visit of the Brazilian Agriculture Deputy Minister

The Brazilian Agriculture Deputy Minister, Luiz Nabhan Garcia, and his land registration director, Larissa Rêgo, visited Kadaster in December 2019. The Deputy Minister was particularly impressed by Kadaster's modernity, efficiency, sustainability and international experience in collaborating with other countries. We hope the visit has provided inspiration for creation of a modern Land Administration System in Brazil. Back in Brazil, the Deputy Minister said that his main aim is to create a system in Brazil as good as the Dutch one.

| Bastiaan Reydon



## Paula Dijkstra, congress director of the FIG Working Week 2020 “It’s our responsibility to make the world a better place”

From 10 to 14 May 2020, surveyors and geo-experts will meet for the Working Week of FIG, the international federation for surveyors. The conference theme is Smart Surveyors for Land and Water Management. Key question: what does the future require of geo-professionals and what does it require of the profession? Conference director, Paula Dijkstra, explains.

“Climate change poses global challenges. Rising sea levels affect coastal areas, natural disasters are more often accompanied by heavy rainfall and flooding. All countries want to protect their valuable land. Good information and forecasts are essential in

this. Surveyors and geo-experts have an important role to play here. We have good agreements in the Netherlands about how we make our collected geo-data available with, and for, other parties and for other purposes. We’ll also need this integrated approach and cooperation between parties in the future to be able to keep our feet dry.



It’s important that today’s surveyor is also ready for the challenges of tomorrow and the day after tomorrow. We must be able to apply new knowledge and techniques in a smart way. How do you deal with technology that can change your work forever? Laser scanners and sensors create an explosion of data: how do you get the right information out of them? How do you manage the data and how do you measure the quality? To be able to meet challenges such as urbanisation and climate change and to achieve the Sustainable Development Goals, we need young, innovative professionals with these skills.

The Working Week is an opportunity for us as a Dutch geo-sector to look at our field from a different perspective. It’s an opportunity to inspire others with our knowledge and skills. That fits in with our responsibility to make the world a better place.”

| Karl Adams





# A Framework for Effective Land Administration (FELA)

Over the past two years, under the joint leadership of Guyana and the Netherlands, the UN-GGIM Expert Group on Land Administration and Management developed the draft Framework for Effective Land Administration (FELA). The framework helps implement the UN-GGIM's flagship policy guidance: the Integrated Geospatial Information Framework (IGIF) for the land sector.



Doing so, FELA is a strong example of how effective Land Administration supports Sustainable Development. The draft framework was extensively debated and reviewed within the Expert Group. Now the framework is undergoing a global consultation process involving all UN Member States and relevant stakeholders. After this the UN-GGIM secretariat will consolidate all input. The secretariat and the Expert Group will deliver FELA to the Committee of Experts for consideration and adoption at its tenth session in August 2020.

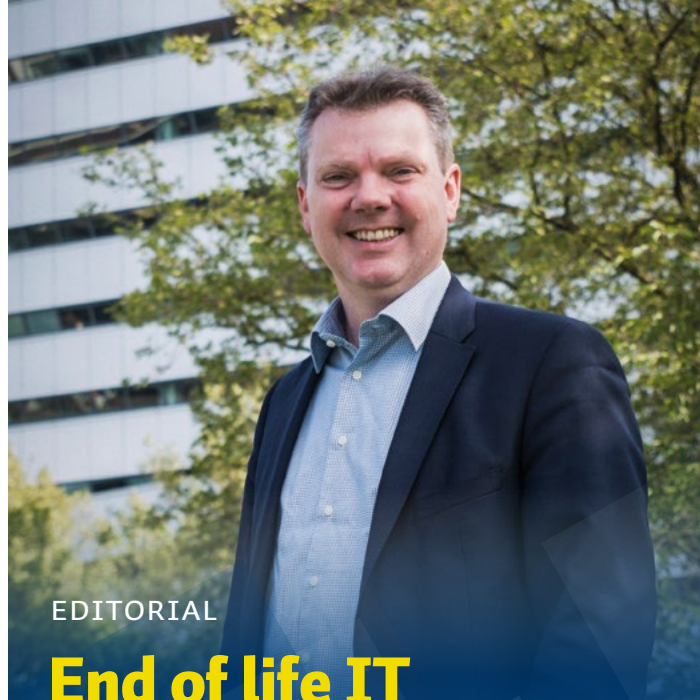
| Eva Unger, Kees de Zeeuw

## Continuation of cooperation on the Western Balkans



Since 2017, Kadaster has been supporting its colleagues in the Western Balkan region. The Dutch Ministry of Foreign Affairs of the Netherlands approved the proposal to continue with the SPATIAL project in the Balkan region in the coming three years. The follow-up project aims to further Strengthen Professional Access To Information About Land (SPATIAL II) in the Western Balkan region. In total eight National Mapping and Cadastre and Land Registry Authorities (NMCAs) from six countries are involved: Albania, Bosnia & Herzegovina, Kosovo\*, North Macedonia, Montenegro, Serbia. The project focuses on bilateral technical assistance for each of the NMCAs, as well as on regional activities, such as regional workshops and study visits. This will support strengthening the role of the NMCAs towards becoming more reliable, inclusive and democratic government bodies. The project started with a workshop in February on the Integrated Geospatial Information Framework (IGIF). The IGIF will serve as overall guidance for both the bilateral and regional support.

| Paula Dijkstra, Vincent Verheij



EDITORIAL

## End of life IT

My mother is eighty-two years old. Her two main assets nowadays are her electric bicycle (this is the Netherlands after all) and her iPad. They literally keep her connected to the world. For the maintenance of these two devices, she has a son (me). As for her bike, she understands very well that a flat tire has to be repaired, and sometimes a battery pack has to be changed. But I had quite some discussion with her about why she should replace her iPad. The thing is well-treated, cleaned and safeguarded, but due to an outdated operating system many apps simply stopped working. The concept of 'End of Life IT' had no meaning to my mother.

In many countries I visit, I see the same in land administration systems. With a lot of effort and money IT-systems have been developed, but, they cannot cope anymore with updates of operating systems and security packs. There is no budget for system updates. The most common solution is to skip the updates altogether and ignore security issues. A short-term solution.

Even if there is some budget, the replacement or upgrade of a live system turns out to be a masterpiece of work in itself - like rebuilding a plane, while it is flying. In 2018 Kadaster replaced the existing land administration system with a new one, through the project KOERS. All services had to keep going. Kadaster is very proud we managed to execute such a mammoth operation, without serious impact on businesses or customers. This experience is very valuable to other countries in the world, but not everywhere similar budget and expertise is available.

Part of the solution is having longer term vision. It should be realised that systems have an end of life and system updates are continuous. Rule number one of the Fit-For-Purpose approach says: 'Don't start something you cannot sustain'.

My mother gradually adopted her new iPad. After three months using both, she told me I could retire the old one. My own little KOERS project succeeded. The End of Life of her iPad was accepted and life goes on. I wish every cadastral agency in the world the wisdom of my mother.

| Kees de Zeeuw, Director Kadaster International

# Renewal of cadastral legislation for Curaçao

On 10-10-10 Curaçao became a country within the Kingdom of the Netherlands. Since then, the cadastre of Curaçao has operated as an independent foundation. Current legislation is fragmented due to multiple laws and regulations, some dating as far back as 1868. This legal fragmentation sometimes hampers practical and judicial operations. Therefore, the Curaçao cadastre is planning a renewal of cadastral legislation by merging and updating existing legislation into a single Cadastre Act. Our Curaçao counterpart asked Kadaster to assist in drawing and renewing the cadastral legislation. In January, we visited our colleagues in Curaçao to investigate what is needed. In addition to legislative renewal, the cadastre of Curaçao wants to invest the distribution of geographic information, including a digital dataset incorporating buildings and addresses. In the



future, both datasets will be part of a national spatial data infrastructure for Curaçao.

| Marije Louwsma

## LADM and Gender



The 8<sup>th</sup> Workshop on the Land Administration Domain, LADM2019, recently took place in Malaysia. The focus was on the development of Edition II of the Land Administration Domain Model (LADM). LADM is available since 1 December 2012. It covers basic

information-related components of land administration including those regarding land, in water, below the surface and above the ground. During the workshop it was observed that the current version of the LADM accommodates women's land and use rights in an inclusive and adequate way. In practise overlapping or secondary land use rights are often lost through formal land registration. As a consequence, women's rights are overlooked when registered. Without these rights being recorded and registered, many women's livelihoods cannot prosper accordingly. It was concluded that LADM functionalities should be better communicated in order to document both primary and secondary land rights. Furthermore, the required gender attributes should not be limited to women, but should reflect and acknowledge various relationships to land.

| Eva-Maria Unger, Chrit Lemmen

## Small Talk

### Further Improving Indonesian Land Registration

Indonesia's government land agency (ATR/BPN) and Kadaster have embarked on another collaboration. Between 2020 and 2024 we will focus on supporting ATR/BPN's digital transformation, enhancing public trust through transparent e-services and supporting participatory mapping and registration activities. The collaboration aligns with the Indonesian Government's OneMap programme (and the World Bank project with the same name).

### New Kadaster Advisor in Benin

Kadaster assists ANDF with the optimisation of their work processes and the delivery of a Fit-For-Purpose approach for achieving land administration coverage nationally. After a year as expert in Benin our colleague Steven Mekking hands over his position to Ernst Peter Oosterbroek as advisor for 'le Projet de Modernisation de l'administration Foncière'. We thank Steven for his great achievements together with his colleagues from MDF, VNG and of course ANDF.



### # Transforming Economies in 5G Era – The Geospatial Way

Less than one month to go before Geospatial World Forum 2020 takes place in Amsterdam, 7-9 April! As a co-host, Kadaster invites you and offers you the opportunity to get to know the Netherlands as an innovative geo-minded country. Secure your seat today! Register now at: [www.geospatialworldforum.org](http://www.geospatialworldforum.org).

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