



# abroad

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The development of e-government, digitisation of archives, maps and deeds, electronic signatures, one-stop-shop customer services and mobile applications has taken flight over the past few years, also in Jordan. But one of the major bottlenecks is the attitude towards a fully digital system and the legislative significance associated with paper-based deeds. Even though security is as much an issue in an analogue registration as it is in a digital one, people 'feel' that analogue registration is more secure than digital. Customers prefer to have a printed ownership certificate rather than a digital one.

## Jordan: from analogue to digital

In Jordan, a revision of the law which enables a fully digital registration process is underway. The recently concluded project between Kadaster and the Jordan Department of Land and Survey (DLS) has provided a roadmap to the DLS of how to digitise many kilometres of archives, both maps and deeds. However, the most outstanding result may not be the technical and organisational solutions but rather the realisation at management level of the 'famous' White Paper; the official registration document, including the specified procedure to compile and document it, can in fact be replaced by a digital process.

On the morning of the official closing ceremony of this project, the Minister of Finance unexpectedly called an urgent meeting with the DLS Director General. The DG decided to invite us to this meeting, too, so we could jointly share the successes of the project with the minister. The representative of the Netherlands Embassy firmly expressed the commitment and support on behalf of the Netherlands to the Jordan administration. Especially the ambition of the Jordanian Government to become a paperless government has a major impact on the working processes and methods for storing and sharing information.



Impressed by the work done and the large steps made towards a modern and paperless organisation, the minister congratulated the DLS wholeheartedly in front of the cameras of Jordan's major news channel. We could not have wished for a better conclusion to this project.

| Suzanne Valkman

# Unlocking Land Potential in Vietnam

The economy of Vietnam has developed into a fast growing and dynamic market. One of the further growth opportunities lies in agricultural production. Improving land potential, including agricultural infrastructure, is one of the challenges Vietnam is facing. In collaboration with the Dutch Embassy, the Vietnamese Ministry of Natural Resources and Environment and other departments hosted a joint team of Netherlands Enterprise Agency and Kadaster International in Hanoi. Topics on Land Law, Land Administration and Land Consolidation were discussed. We also visited the Hanoi Land Registration Branch Office as well as a rice cooperative in Nam Dinh province. Needs were expressed for support in the imminent

revision of the Land Law, the further development of the Land Information System and database and to apply the instrument of Land Consolidation. We will elaborate on the feasibility for this in a plan for possible follow up.

| Martinus Vranken



# Exchanging regional experiences on Address Registry

One of the objectives of the SPATIAL project is to establish regional cooperation and exchange of knowledge and experiences in the Western Balkan. 10 organisations from 6 countries participated in the interactive workshop on Address Registry in September. Together, the 30 participants explored the different ways of data collection and maintenance as well as the added value for society of having a complete register of street names and house numbers. The workshop was organised and hosted by KCA (Kosovo Cadastral Agency), supported by experts from the municipality of The Hague (the Netherlands). Similar to the previous SPATIAL workshops, the participants presented the framework for collecting, updating and maintaining the addresses in their country, including the Netherlands. This was followed by discussions and working sessions.



In the spring of 2019, the last regional workshop of SPATIAL will take place in Montenegro. The workshop will focus on the future trends and technologies in land administration.

| Paula Dijkstra



# New system for Dutch Key Register Cadastre

**After over 30 years of use, Kadaster replaced the system for maintaining the Dutch Key Register Cadastre (BRK) by a new, state of the art computer system, called KOERS (Kadaster Objects and Rights System).**

Yearly, the cadastral system faces over 1 million updates from transfer and mortgage deeds and approximately 24 million information inquiries. The huge system change concerning Kadaster's core business took place over the weekend of October 13 and 14. After some stability and availability issues in the first weeks after the release, all Kadaster services have been up and running. The service level is monitored constantly.

There are several types of land rights, for example property, usufruct and long lease. These rights can be transferred in a limitless amount of combinations. Most of these combinations

have been programmed in KOERS. But if a new combination might appear in a notary's deed, a special team is standby to develop, test and implement additional software within 6 days: an example of agile system development.

Chief registrar Ruben Roes: "With the new system the continuity of our services is more efficiently assured and we are better able to adapt to future developments like changing laws and customer demands."

| Ernst-Peter Oosterbroek



# Upgrading the Land Administration Information System in Rwanda

Since 2012 the Rwanda Land Management and Use Authority (RLMUA) is using a Land Administration Information System (LAIS) to execute and support land administration and registration procedures for the Rwanda society. Kadaster supported RLMUA on improving its management and implementing safe and secure procedures for their LAIS.

In the context of the Rwanda Land Tenure Regularisation Programme (2016-2018), the LAIS requires an upgrade and a system extension. RMLUA has



contracted Kadaster for technical assistance on this project. Sam Biraro of RLMUA explains: "We have filled all the IT positions in order to work together with the consultants on this project, supported by the staff of RLMUA to get the most out of the LAIS system for the future". From September 2018 until March 2019 consultants of Kadaster are on the job in Kigali to improve system performance, work on better functionality and data quality in order to meet the current RLMUA business needs.

| Sybrand Oosterhof

## Suriname towards its first digital national base map

It is not since the 70s that Suriname has had an update on its national topographic map. The Management Institute for Land Registration and Land Information System (MI-GLIS) is currently in the process of producing the first official digital National Base Map of Suriname. The goal is to develop a base map which is realistic and also sustainable over time, involving many stakeholders, producers as well as users of geographic information in Suriname. A brave and comprehensive task!



MI-GLIS asked Kadaster to advise on the strategic positioning towards its partners and potential customers. Kadaster also assisted in streamlining the production process of the national base map. GIS specialist Lieuwe de Jong: "It was a great opportunity to contribute to a project with such a substantial national extent and historical background".

The result is a pragmatic implementation plan, guiding MI-GLIS in the further development of the national base map of Suriname.

| Lieuwe de Jong, Haico van der Vegt

### EDITORIAL

## 'Fit for Purpose' revealed

I very much enjoyed the oration of professor Lemmen, October 25th at the University of Twente. During his inaugural speech, Chrit Lemmen expressed his vision on the scientific agenda for the coming years for his Chair on Land Information Modelling.

Congratulations to professor Lemmen with this milestone in his career! But for the reader of this column I have a warning: based on the ambitions of Chrit Lemmen, you all have to work very hard in the coming decade. Land rights for all is in your hands and he won't rest before it is achieved (by you). Apart from continuous development in standardisation in partnerships with UN, FIG, OGC, ISO and many others, the further development of the Fit for Purpose Land Administration methodology is one of the key elements in the agenda Chrit Lemmen presented.

But before we can add more innovation, experience and ambition to the equation of Fit for Purpose, there should be some clarification on the method. I see that many people link Fit for Purpose to pro-poor land administration system development only. And indeed, for many places in the world, this is the case. But Fit for Purpose means much more than that. The power of the method lies within the fact that it is demand-driven.

What if the purpose is defined as taxation of high value business centres of cities in a country? Then very exact borders should be known and perhaps flashy registries need to be exchanged real-time amongst many stakeholders. In that case Fit for Purpose is about high precision measurements with expensive devices, sophisticated IT-infrastructures for maps and registries and highly skilled professionals doing the job. The main principle of the Fit for Purpose method is about scalability, incremental development and working on the basis of a strategy and sustainability.

Fit for Purpose starts with the understanding of what the purpose of land administration is, how this evolves over time and how it is related to the level of development in a country. Add time, budget and quality to this, and a Fit for Purpose strategy can be defined. So please remember: Fit.for.Purpose.

| Kees de Zeeuw, Director Kadaster International

# Experts discuss effective land administration

End of September a regular meeting of the United Nations Expert Group on Land Administration and Management was combined with an international seminar with the theme Effective Land Administration. Both events, held in Deqing, Zhejiang Province, China, provided a forum that promoted dialogue on issues and challenges on the application of geospatial information for land administration and management. Presenters, panellists and participants engaged each other, shared knowledge, practices and experiences, exchanged new ideas and approaches, and learned of varying backgrounds and circumstances as well as current, emerging and new trends. The participants concluded with 'Effective land administration seeks to serve and



strive for the wellbeing of people, planet, peace and prosperity through providing tenure security for all and leaving no one behind'.

| Eva Unger

## Needs identification in Belarus

The National Cadastral Agency (NCA) of Belarus has expressed its interest for a partnership with Kadaster. The NCA aims at a further development of the national Land Administration, Real Property valuation and the Spatial Data Infrastructure. Experiences from the Netherlands could give support to establish these ambitions.



In July, colleagues from Kadaster, University of Twente (ITC) and the Netherlands council for Real Estate

Assessment (Waarderingskamer) visited the colleagues in Belarus. The aim of the mission was to identify the needs and to draft an action plan. The team visited NCA and other stakeholders related to land administration. All are very ambitious and motivated to push their organisation and other institutions towards digital transformation. The experts are eager to learn and to strengthen their role within society.

In December a delegation from Belarus will visit the Netherlands. After that, an action plan will be delivered to support the cooperation between the Netherlands and Belarus.

| Paula Dijkstra

## Small Talk

### The surveyor's role and responsibility towards SDGs

The UN Sustainable Development Goals (SDGs) and the land indicators will shape and influence our profession profoundly in the decade to come. Kadaster has made the SDGs part of its goals and ambitions and is running an awareness campaign among its staff. FIG, representing the interests of surveyors worldwide, has a responsibility to inform, discuss and further develop the SDGs with its members. Kadaster and other member organisations, will support FIG to facilitate work sessions and discussions on the SDGs.

### New: open study visits

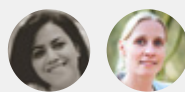
Interested in visiting Kadaster and to exchange information with our experts and those from other international organisations? Keep an eye on our website ([www.kadaster.com](http://www.kadaster.com)) and Abroad for more information and dates.

### Save the Date - The Modern Land Administration for Development Forum – Amman

Kadaster and the Jordan Department of Land and Survey (DLS) are organising an interactive forum from 4 until 6 March 2019 in Amman, Jordan. The event will target around 200 participants from the Arab land authorities and organisations as well as land administration experts globally. Key issues in Land Administration will be addressed to feed into the 2nd Arab Land Conference. The forum language will be Arabic with translation facilities in English.



### New members of our Team



We are happy to announce that Kholoud Salama and Marije Louwsma joined our team recently. Kholoud will cooperate with Suzanne Valkman in the development of our projects in the regions of Asia and the Arab states. Kholoud also has a specialism in gender issues. Marije is our new advisor on land consolidation and spatial planning in relation to land administration. From January 1, 2019 she will also chair FIG Commission 8 on this theme.

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