

An aerial photograph of a residential area with overlaid cadastral data. Red and yellow lines delineate property boundaries. Numerous numerical values are scattered across the map, representing plot areas or measurements. Two white vertical banners are superimposed on the map, containing the text 'CADASTRE / LAND REGISTRY' and 'LAND VALUATION'.

# CADASTRE / LAND REGISTRY

# LAND VALUATION

Land administration modernization, cadastre, “titling” and land valuation projects are a major concern in many countries given the underlying economic and social stakes. Thus, major international donors are now very much involved in the financing of land projects that contribute to land security because they help to reduce the number of land conflicts, promote the development of the land market and improve the transparency of land value.

Geographic information is an essential component of these projects through cadastral data collection and update. The development of complete land information systems combines these geographic layers also with various modules related to land registry management.

IGN FI has developed an expertise in this field that is recognised worldwide and is able to propose customised solutions adapted to each issue encountered. Hence the perimeter of its tailor-made projects includes legal and technical components as well as communication actions, training and change management, to ensure the sound adoption of the new technical tools by the administrative staff and also of the resulting new procedures by the end-users.

**According to each context, IGN FI relies on an effective network of international experts and highly-skilled companies. It is thus able to design and implement solutions adapted to each issue encountered, both for technical and legal aspects.**

## OUR AREAS OF EXPERTISE

Advise, design and implement projects in the field of land administration and more specifically:

- Running land management projects
- Institutional and legal support
- Execution or supervision of cadastral survey work
- Restoration and dematerialisation of cadastral maps, titles and land-related documentation
- Implementation of land information systems: analysis of existing processes, improvement of existing systems, data modelling in compliance with international standards (LADM), design, development, roll-out
- Technical assistance, technology transfer, training
- Change management, communication and organisation of awareness programmes for the general public

## OUR MEANS

IGN FI offers its teams of specialists to clients:

- Experts in land administration, cadastre, land valuation
- Experts in databases and GIS
- Surveyors-topographers
- Experts in geodesy
- Specialised lawyers
- Analysts, information system architects, developers, quality specialists
- Experienced project directors and managers

A small section of the aerial map from the top left, showing a specific plot area.

**LAND  
ADMINISTRATION**

Plot No.26  
0.51 ha

# SOME OF OUR REFERENCES

## UGANDA • Implementation and roll-out of a national land information system

Between 2010 and 2014, IGN FI was responsible for the design, supply and implementation of a land information system (LIS) for 6 decentralised ministry zonal offices in charge of issues concerning land, as well as the creation of a national land information centre.

The World Bank chose IGN FI in 2015 to roll out an efficient, reliable and transparent information system on a national scale.

All in all, 21 districts are involved with over 600,000 titles and plots to be vectorised, indexed and updated, as well as 90,000 paper maps to be scanned and vectorised. Training on the new tools and procedures (information technology, GIS and LIS) has also been given to more than 300 people. The project will come to an end in 2018.



## TANZANIA • Implementation of a land information system

The Ministry of Land Affairs runs a pilot project in the region of Dar es Salaam with support from the IGN FI/ FIT Conseil/ Memoris consortium. This project includes the design, development, construction, installation and implementation of an LIS.

It includes the conversion and indexation of data and its transfer into databases, the purchase and installation of equipment as well as the reinforcement of training and transfer of skills to users.



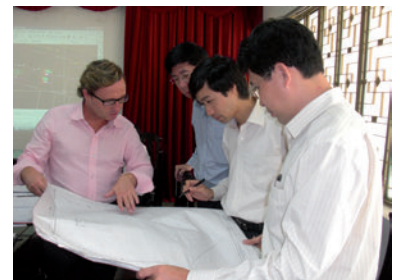
## ECUADOR • Implementation of a national cadastral information system

The Ministry of Agriculture developed an administration system to manage land and cadastral information (SIGTIERRAS). The project consists of designing, developing and implementing the national land administration system using the applications already in place, using open source tools and open standards as well as the architecture and design elements provided by a national territorial agency.



## ETHIOPIA • Supervision and implementation of an urban land information system

This supervision project's objective was to support the Ministry in charge of urban planning in their work to design, implement and roll out a new land and property information system.



## HAITI • Creation of a pre-cadastre over 5 pilot areas

Following the 2010 earthquake, an agreement was signed between the French Ministry of Foreign and European Affairs and Haiti's Inter-ministerial Committee for Territorial Planning (CIAT) for the creation of a pre-cadastre over 5 pilot areas. IGN FI and FIT Conseil were responsible for supplying baseline cartographic information. Aerial photographs were linked to a geodetic reference and the geodetic network was densified over the 5 pilot areas in order to facilitate field completion work.



## SENEGAL • Project to support the reform of urban land management (PAGEF)

IGN FI led a study on land-related procedures, modelling the land system and proposing specifications to computerise the information. The results of this study led to the launch of call to tender for the development of a land management system (LMS) over three pilot sites, including four main components: state-ownership, land registry, fiscal and land conservation. The project's objectives are to create a model for the land information system (LIS), propose a unified solution for management and entry of the LIS data as well as to provide training for employees.

## Find more references at [www.ignfi.com](http://www.ignfi.com)

As major player in the field of geomatics, IGN FI offers its expertise in the following areas: geodesy, metrology, mapping/national spatial data infrastructures, databases, geographic information systems, portals.

IGN FI's work is entirely based abroad, using the company's know-how in various sectors: agriculture, forests, the environment, civil security, borders...

## IGN FI

7, rue Biscornet

75012 PARIS - FRANCE

Phone: +33 1 42 34 56 56

Fax: +33 1 42 34 56 51

[info@ignfi.fr](mailto:info@ignfi.fr)

