



Land Information data needs for SDG's, targets and indicators

Kees de Zeeuw

Director Kadaster International - The Netherlands
Chair UN-GE-LAM



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17 Goals, 169 targets, and a wide range of indicators



Source: <https://sustainabledevelopment.un.org/?menu=1300>

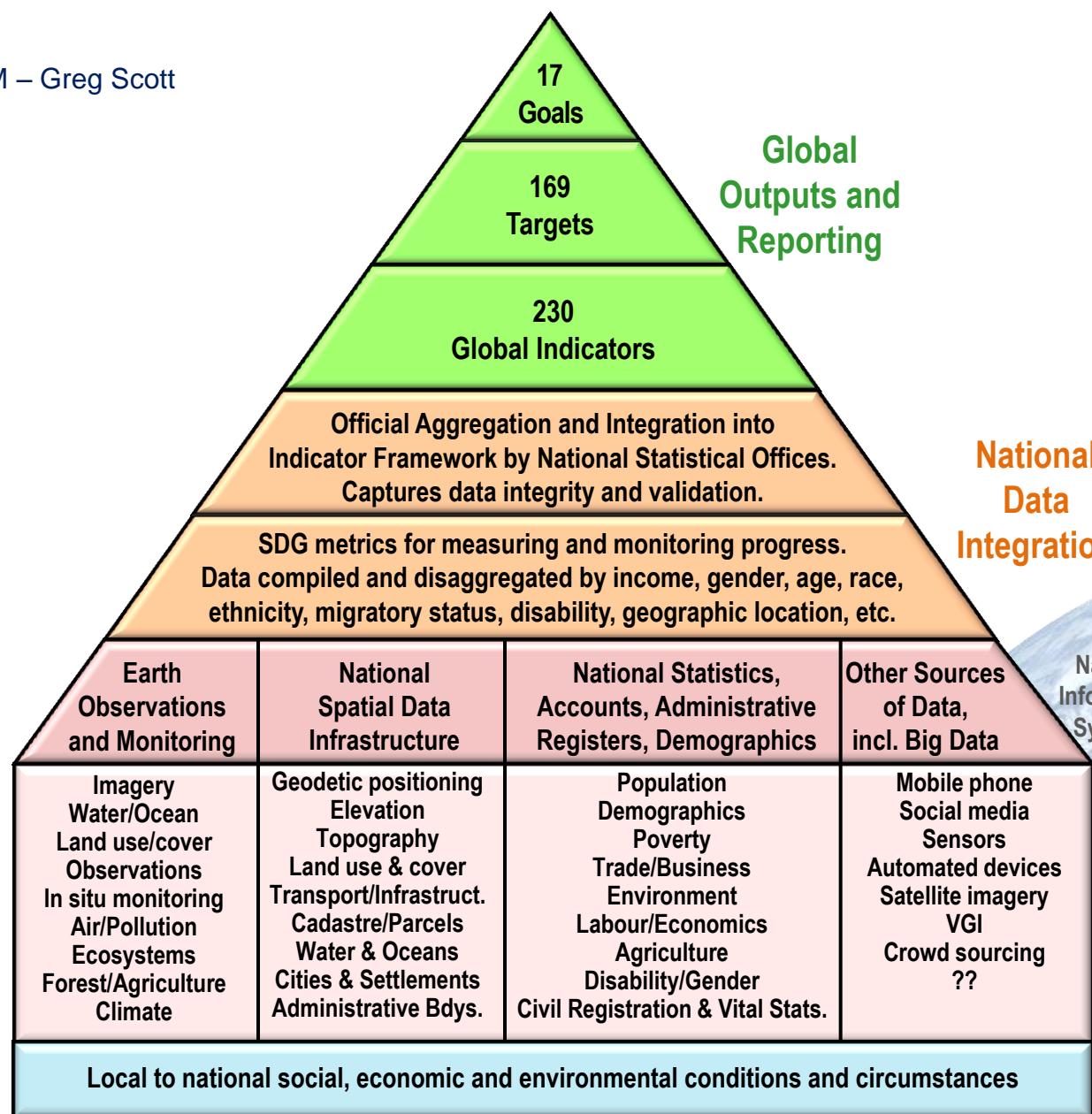


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SDG's

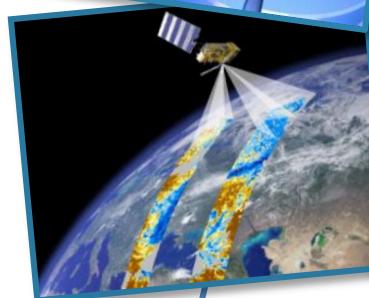


UN GGIM: Integration of worlds

Statistics



Mapping



Remote Sensing

Land Administration



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UN-GGIM and Land Administration and Management

Land Administration



Source: LADM, ISO 19152



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Land Administration

Land administration and SDG's



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SDG' and Land Administrations



SUSTAINABLE DEVELOPMENT GOALS

1 NO
POVERTY



Goal 1. End poverty in all its forms everywhere

- 1.1. By 2030, eradicate extreme poverty for all people everywhere, currently measured as people living on less than \$1.25 a day.
- 1.4. By 2030, ensure that **all men and women**, in particular the poor and the vulnerable, **have equal rights** to economic resources, as well as **access to** basic services, **ownership and control over land and other forms of property**, inheritance, natural resources, appropriate new technology and financial services, including microfinance.



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SDG's and Land Administration

We offer three kinds of service:

GOOD - CHEAP - FAST

You can pick any two

GOOD service CHEAP won't be FAST

GOOD service FAST won't be CHEAP

FAST service CHEAP won't be GOOD

-A NEAL BOHR



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Good, Chepa AND Fast

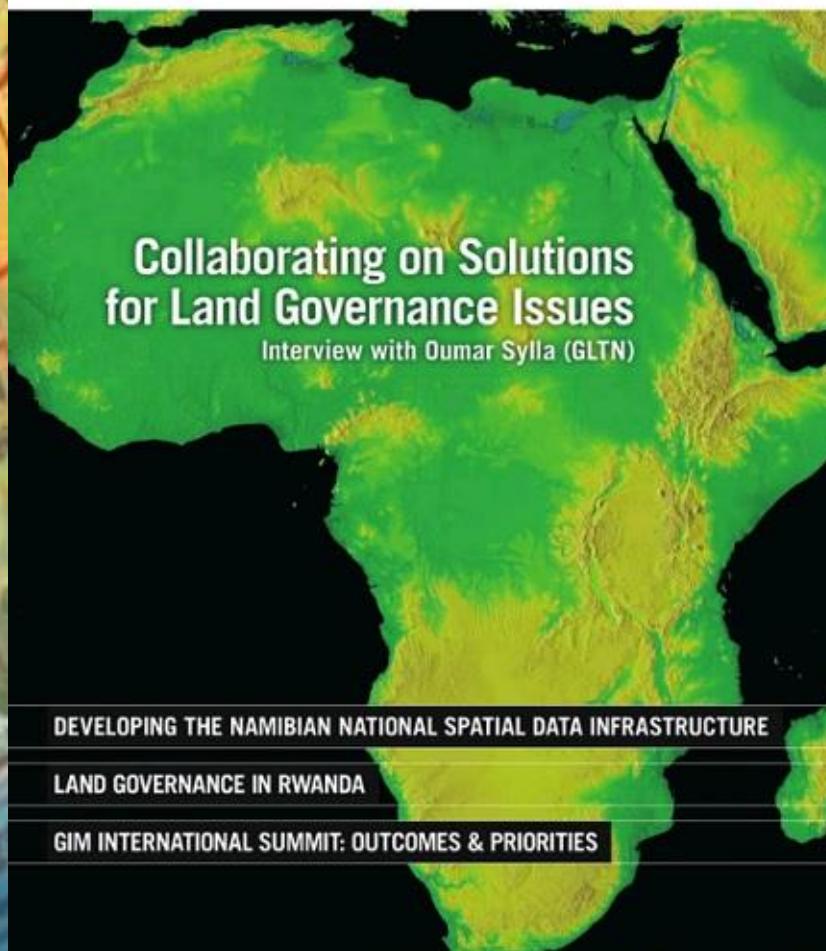


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magazines

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**Collaborating on Solutions
for Land Governance Issues**

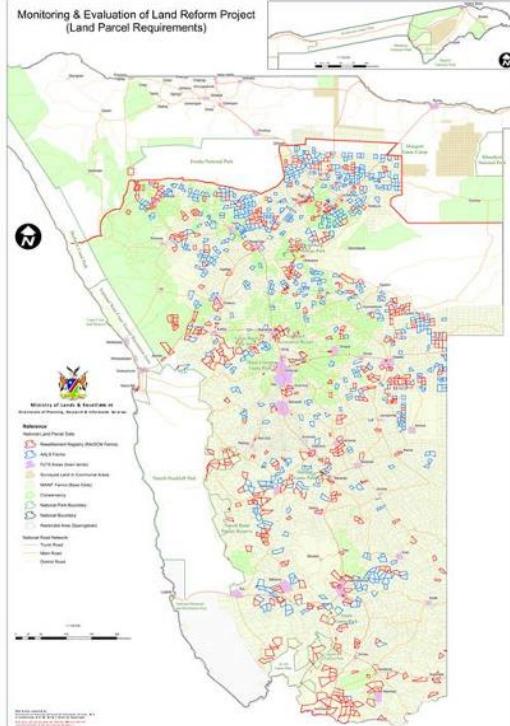
Interview with Oumar Sylla (GLTN)

DEVELOPING THE NAMIBIAN NATIONAL SPATIAL DATA INFRASTRUCTURE

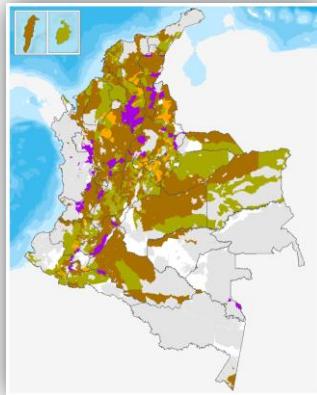
LAND GOVERNANCE IN RWANDA

GIM INTERNATIONAL SUMMIT: OUTCOMES & PRIORITIES

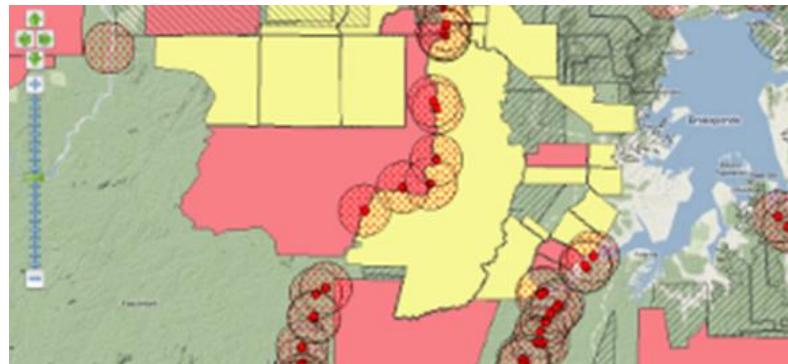
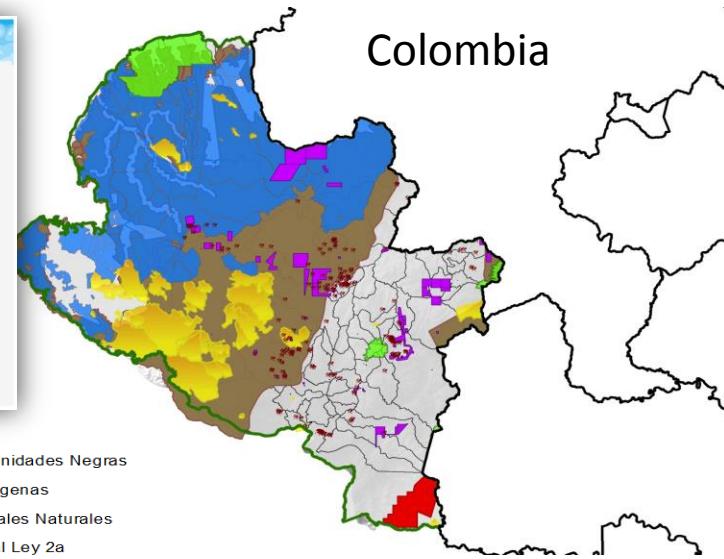
Land Tenure Atlas



Namibia



Colombia



Surinam



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Land Tenure Atlas



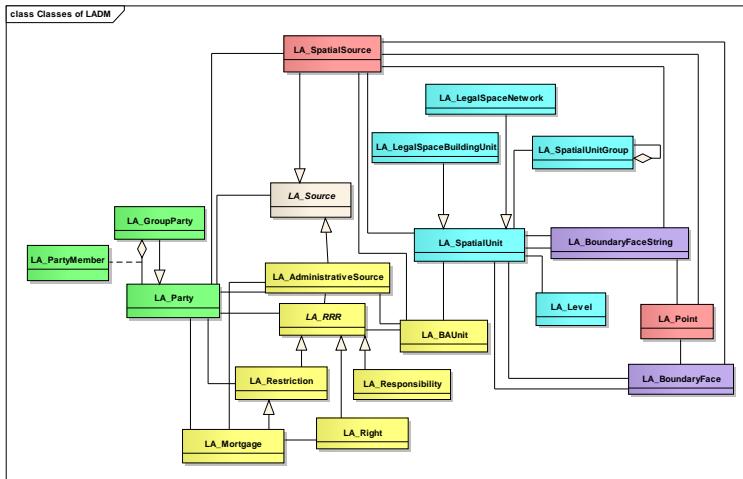
INTERNATIONAL
STANDARD

ISO
19152

First edition
2012-12-01

Geographic information — Land Administration Domain Model (LADM)

Information géographique — Modèle du domaine de l'administration
des terres (LADM)



Reference number
ISO 19152:2012(E)

© ISO 2012



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Standards (LADM / STDM)



KEY PRINCIPLES



visual boundaries



accuracy relates to the purpose



aerial imageries rather than field surveys



opportunities for updating, upgrading and improvement

Spatial Framework:

Aerial imageries country wide
Participatory field adjudication
Incremental improvement
Continuum of accuracy

Fit-For-Purpose Land Administration

Legal Framework:

Enshrine FFP approach in law
Secure all land rights for all
Human rights, gender equity
Continuum of tenure – STDM

Institutional Framework:

Holistic, transparent & cost effective
Sustainable IT-approach
Ongoing capacity development
Continuum of services



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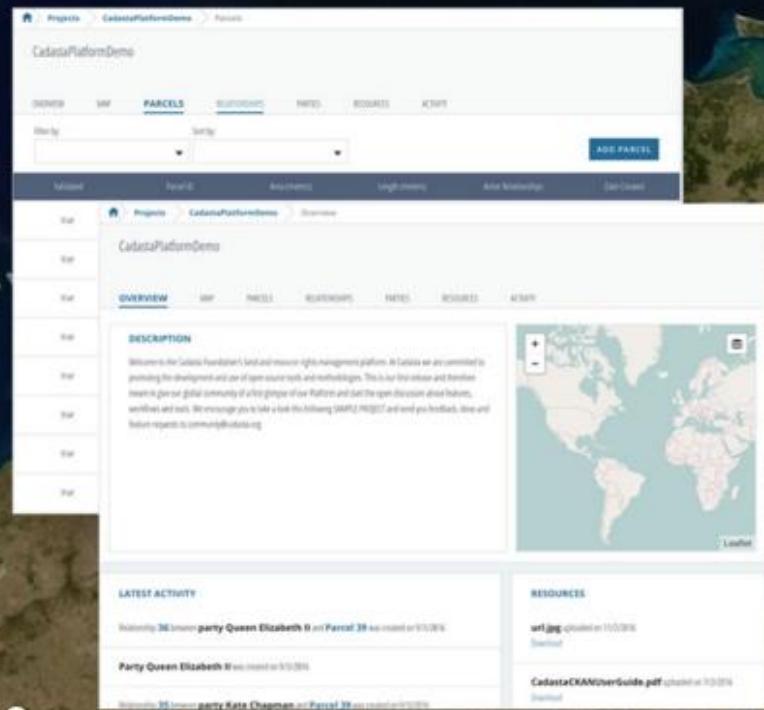
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Methods (Fit for Purpose, VGGT)

PLATFORM DEMO (Part 1)

Take a tour of our platform,
learn how to login, view projects.

[Watch Video](#)

The screenshot shows the CADASTA Platform interface. At the top, there's a navigation bar with links for Projects, CadastaPlatformDemo, Parcels, HOME, ABOUT US, COMMUNITY, PLATFORM (which is underlined), BLOG, and FUNDERS. Below the navigation is a search bar with placeholder text "Search". The main content area has a dark background with a satellite map of a coastal region. On the left, there's a sidebar with a tree icon and several tabs: Overview, Parcels, Relationships, Parties, Resources, and Assets. The "Parcels" tab is currently selected. The main panel shows a table with columns for Parcel ID, Assessments, Legal Status, Area (Acres/Hectares), and Date Created. There are also buttons for "ADD PARCEL" and "Edit Parcel". Below the table, the "OVERVIEW" tab is selected, showing a world map with a legend for "Labeled" and "Unlabeled" parcels. The "DESCRIPTION" section contains a welcome message about the platform's mission to promote open-source tools and methodologies. The "LATEST ACTIVITY" section lists recent changes, such as "Updated by 36 hours ago party Queen Elizabeth II on Parcel 38 on 1/1/2016" and "Party Queen Elizabeth II was created on 1/1/2016". The "RESOURCES" section includes a PDF file named "CadastaCKANUserGuide.pdf" with a download link.

TAKE A TOUR OF OUR BETA MVP RELEASE

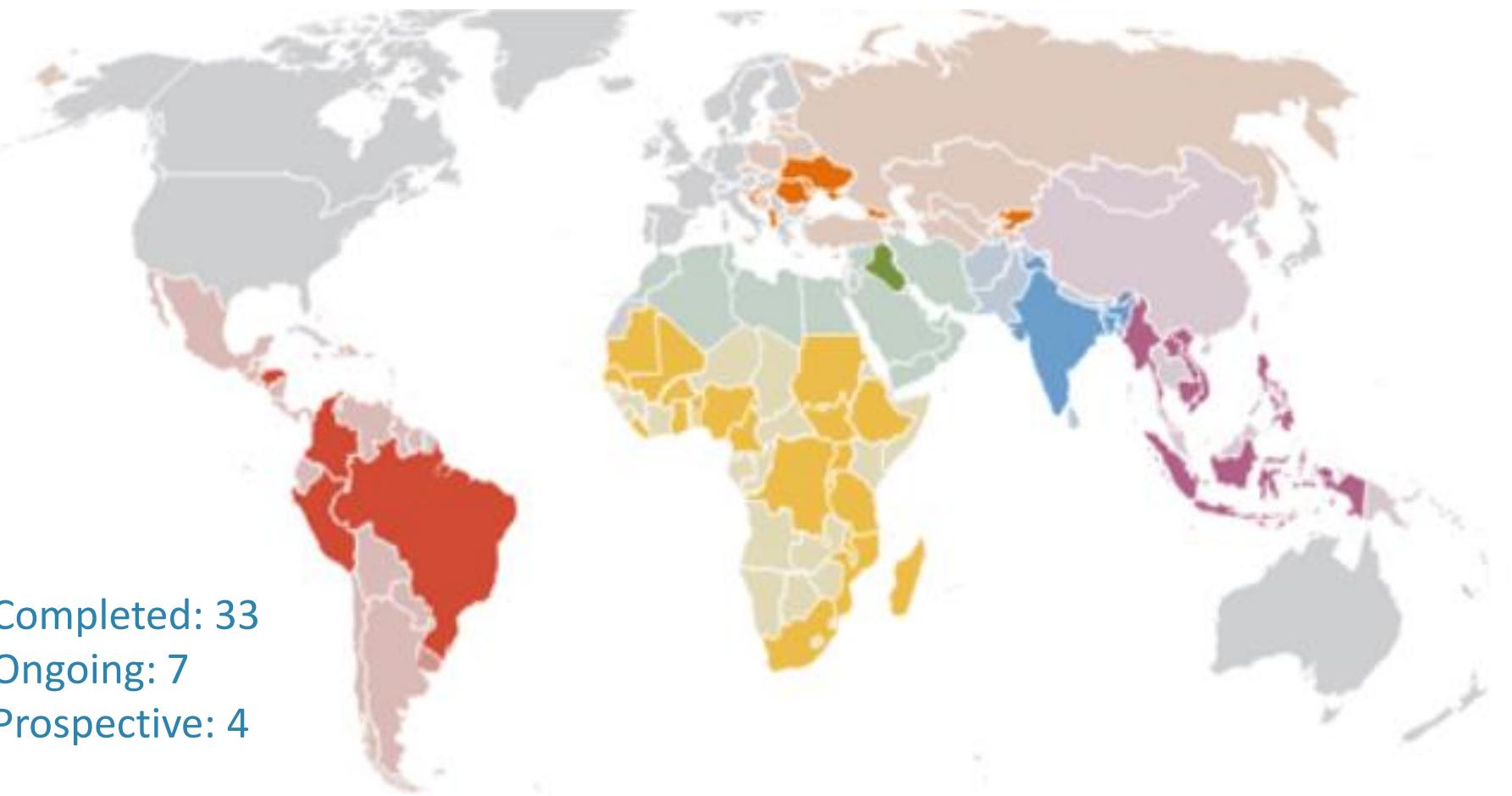


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Infrastructures

LGAF in 44 countries



Completed: 33

Ongoing: 7

Prospective: 4

Source: World Bank in partnership with FAO, IFAD and UN-Habitat



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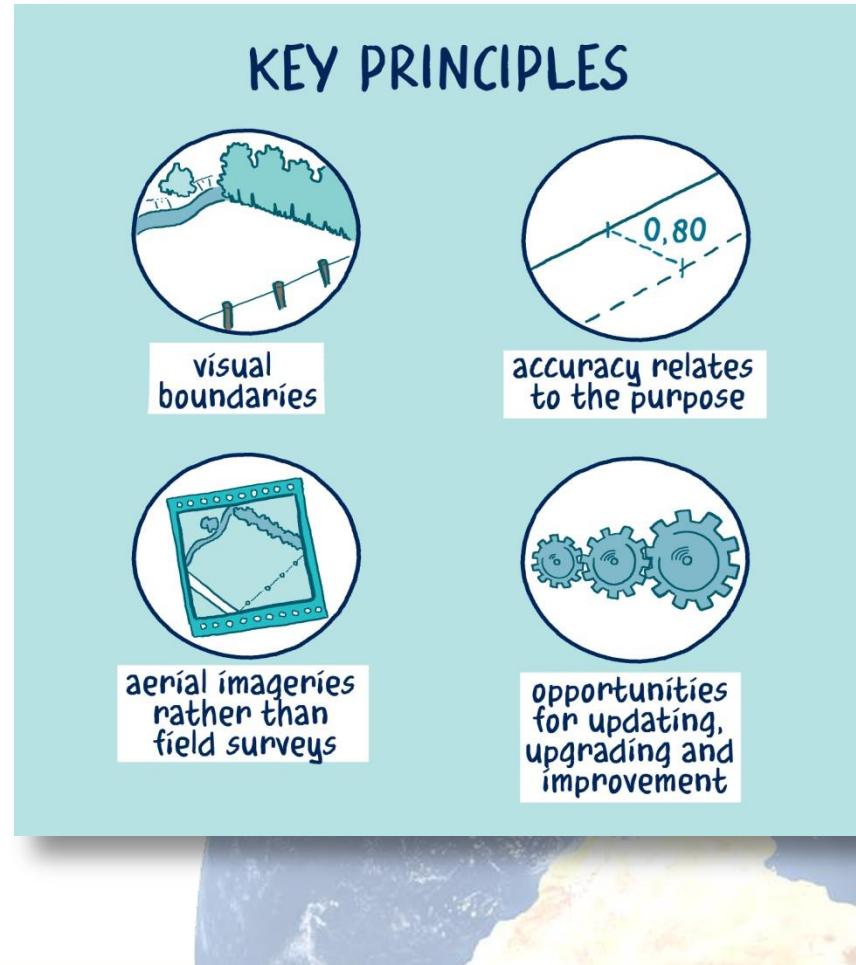
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Land Governance Assessment Framework

Best Practices

- Visualise
- Speaking the language
- Using the existing tools
- Participation, inclusiveness
- Flexible approach
- Affordable



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Best Practices

Partnerships

- Global, national, community, professional based initiatives
- Shared ambitions
- Private sector role



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Partnerships



DigitalGlobe™

BENTLEY®



INTERGRAPH

Trimble Google™

ORACLE®

HARRIS

AIRBUS
DEFENCE & SPACE

LOCKHEED MARTIN

Spacemetric

ENVITIA
World Class Spatial Information Technologies

agi
Analysis software for land, sea, air, & space

VENCORE THALES

ROLTA

CAE

AUTODESK.

BAE SYSTEMS

NAVTEQ™

Microsoft

Spatial

LUCIAD

THOMSON REUTERS

PCI
Geomatics

Raytheon

galdos
systems inc

Skyline®

Snowflake
software

Leica
Geosystems

esri India

wikitude

CubeWerx
Interoperable Services for the Geo-Spatial Web

exactEarth

ADCC
Infocad Limited

Insurance Evolved
FM Global

LIZARDTECH™
a celartem Company



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Private sector partnerships (OGC)

Leadership UN-GGIM



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Leadership



\$ 50 – 100 billion



Land rights for the world

- Data, knowledge & experience
- Standards (ISO, OGC, LADM/STDM)
- Methods & guidelines (Fit for Purpose LA, VGGT)
- Tools (UN, Open Source, commercial)
- Infrastructure (Governments, communities)
- Cases and best practices
- Indicators, targets, global insight
- Partnership, awareness, leadership & finance



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Conclusions

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- In order to achieve the SDG's and to have legal certainty for all citizens in the world, good geospatial information management and sound land administration are important prerequisites.
- It is the momentum is right for the challenging but feasible ambition to have land rights for the world.
- The objective of UN-GGIM (UN-EG-LAM) is to play a leading role at the policy level, by raising awareness and to encourage the use of geospatial information management for land administration purposes.



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Conclusions