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

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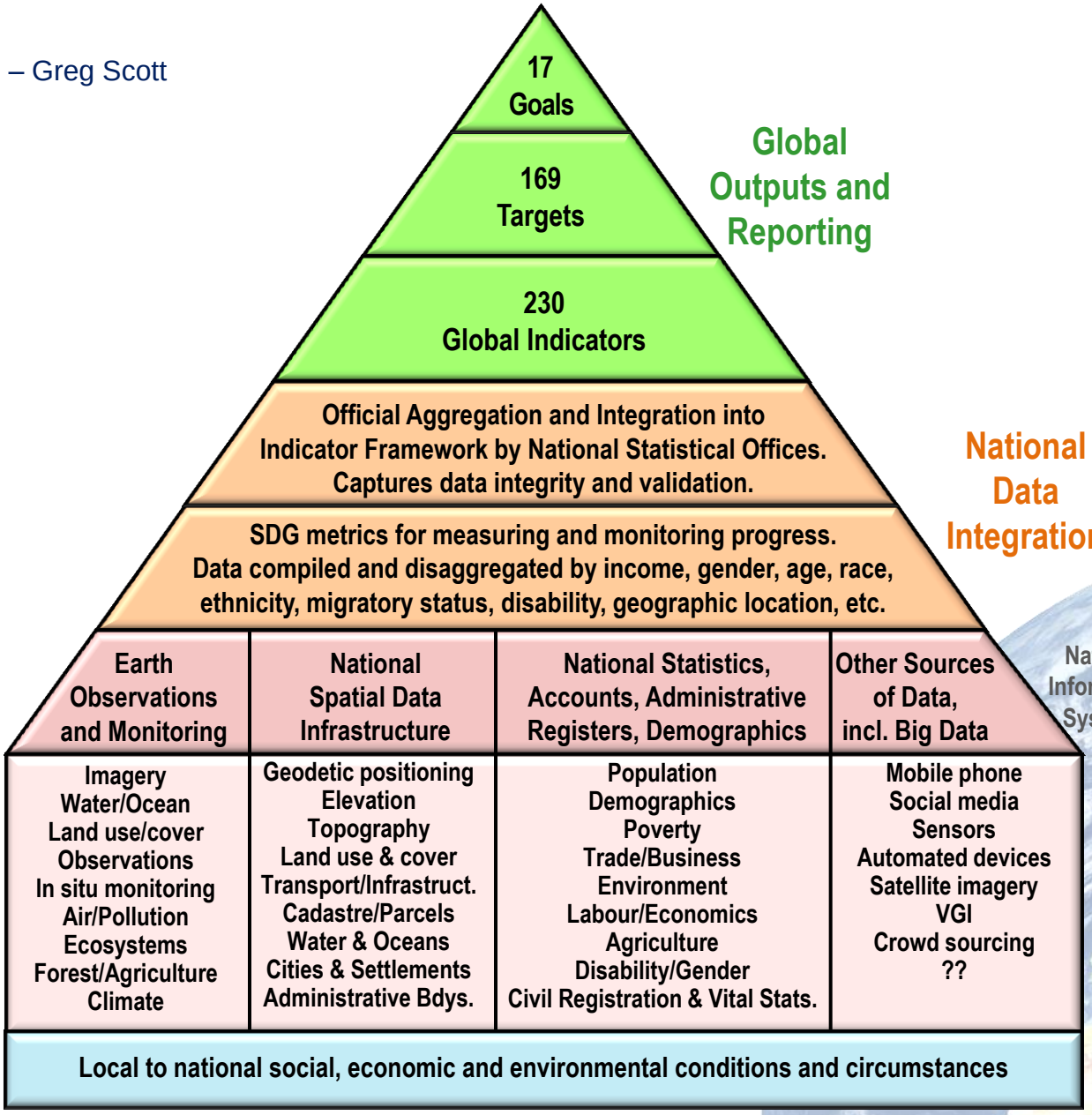
Chair UN-GE-LAM

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

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

Source: UN GGIM – Greg Scott



UN GGIM: Integration of worlds

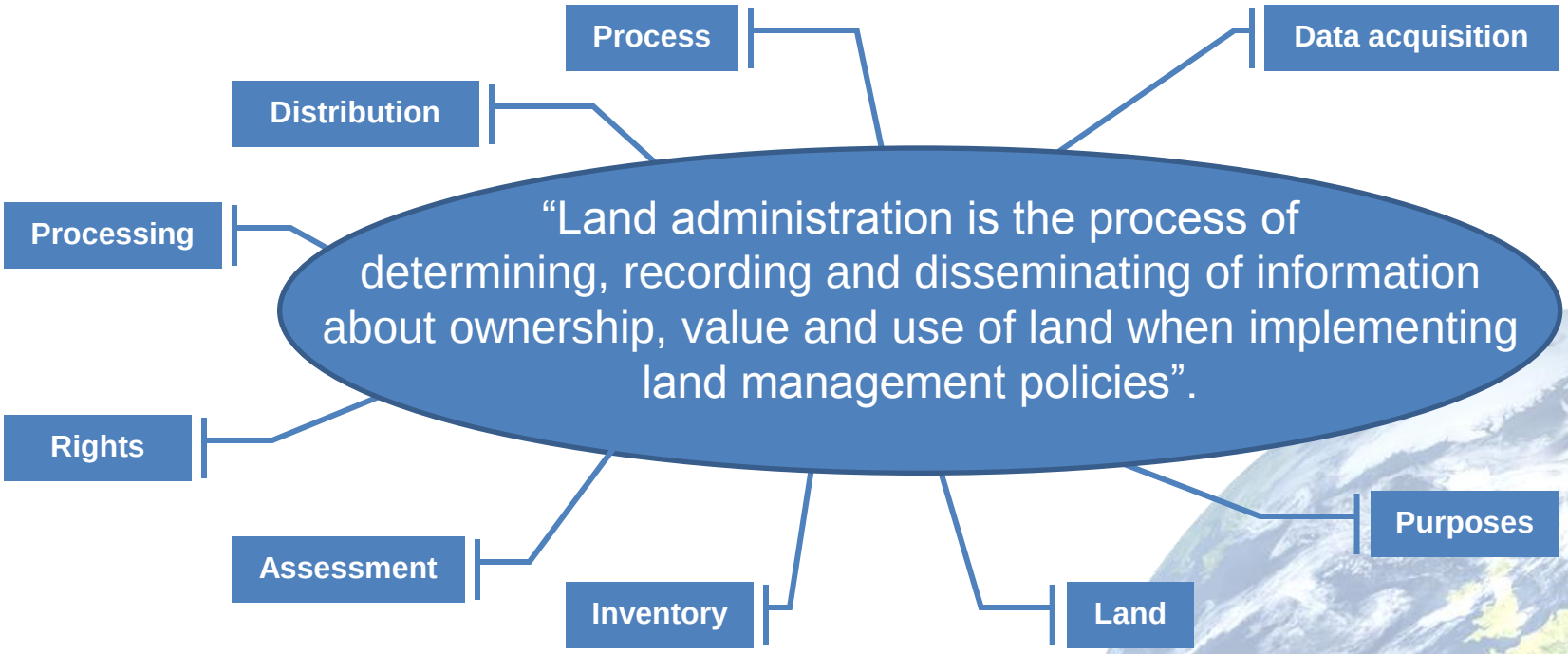
Statistics

Mapping

Remote Sensing

Land Administration

Land Administration



Source: LADM, ISO 19152

Land administration and SDG's

SUSTAINABLE DEVELOPMENT GOALS

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.

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

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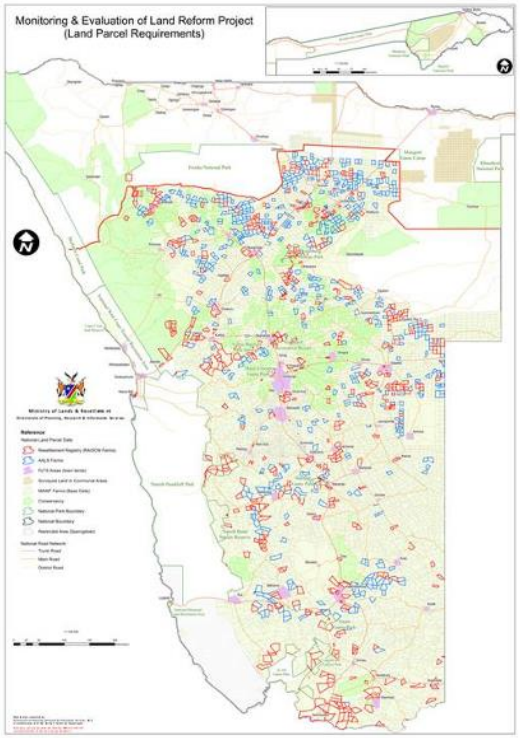
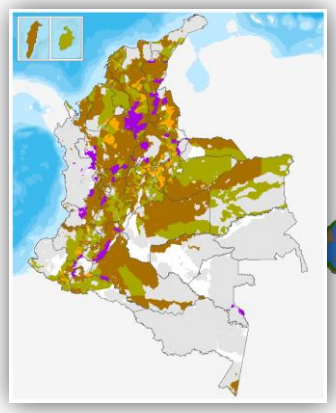
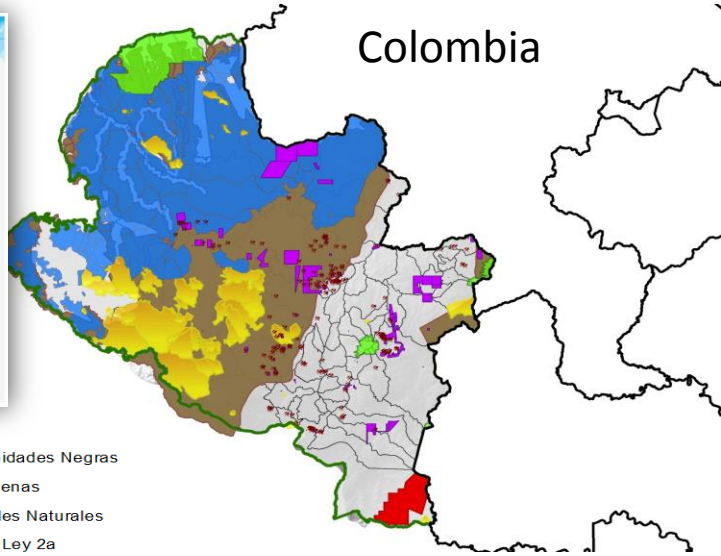
ISSUE 4 • VOLUME 30 • APRIL 2016
Collaborating on Solutions for Land Governance Issues
Interview with Oumar Sylla (GLTN)
DEVELOPING THE NAMIBIAN NATIONAL SPATIAL DATA INFRASTRUCTURE
LAND GOVERNANCE IN RWANDA
GIM INTERNATIONAL SUMMIT: OUTCOMES & PRIORITIES

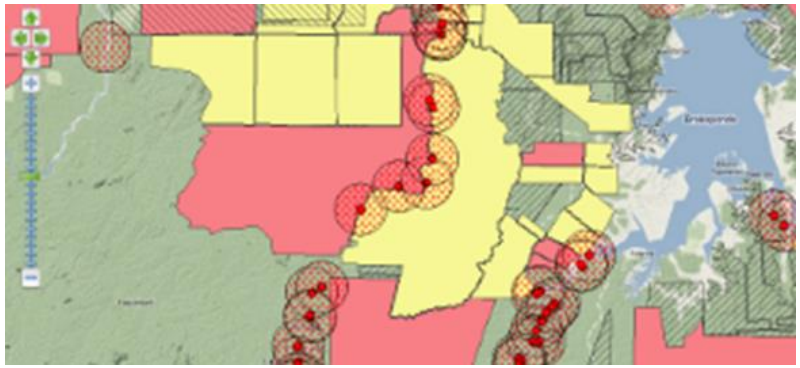
Land Tenure Atlas



Namibia







Surinam

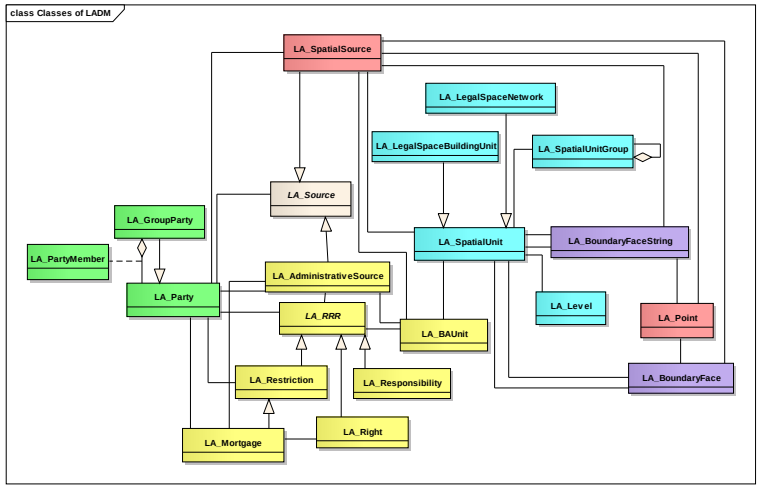
INTERNATIONAL STANDARD

ISO 19152

First edition
2012-12-01

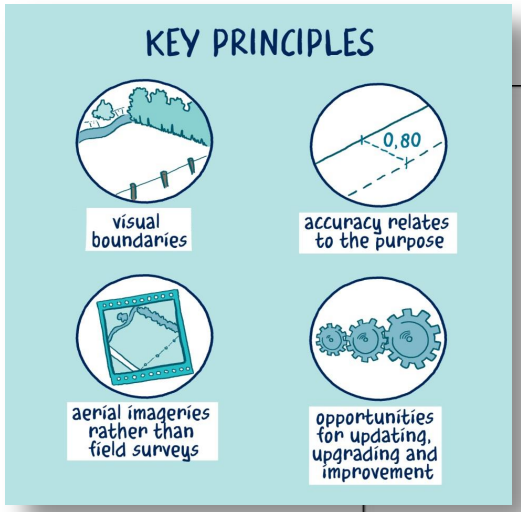
Geographic information — Land Administration Domain Model (LADM)

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



Reference number
ISO 19152:2012(E)

© ISO 2012



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

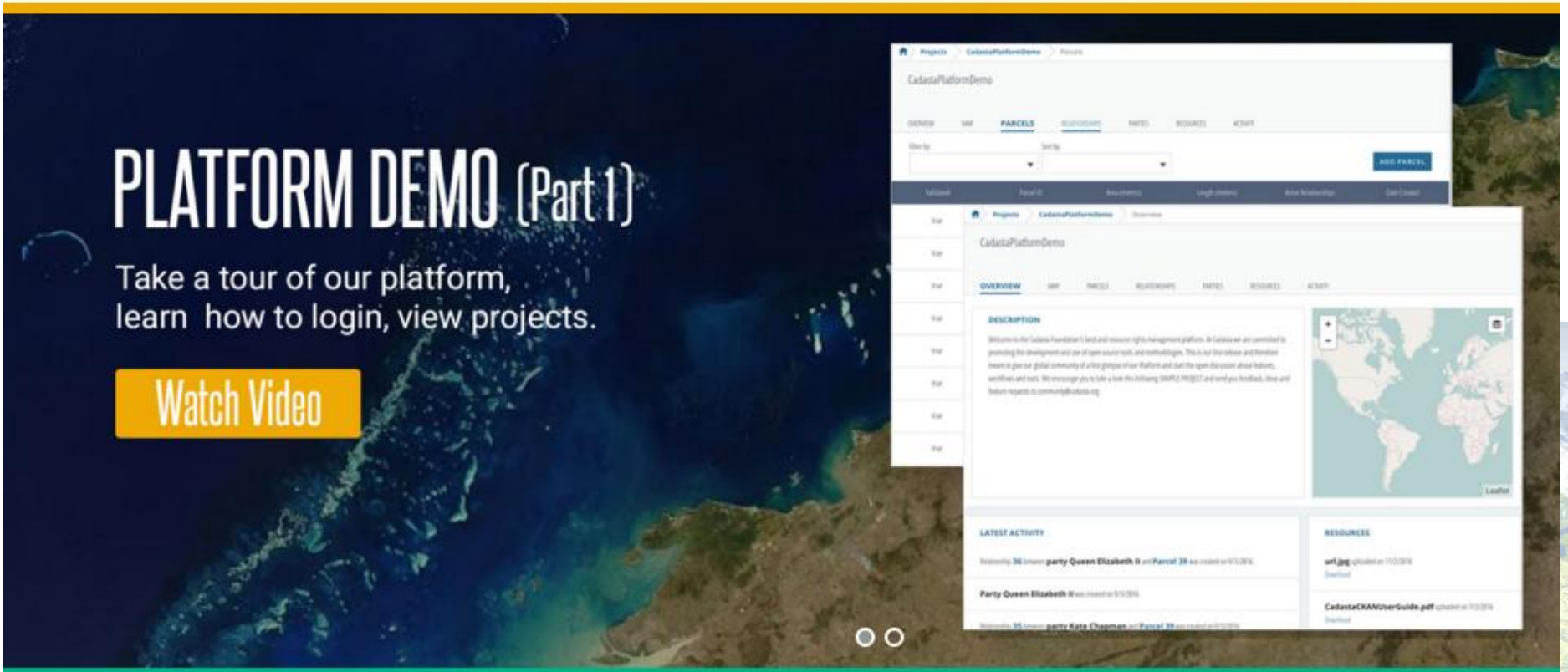
Fit-For-Purpose Land Administration

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

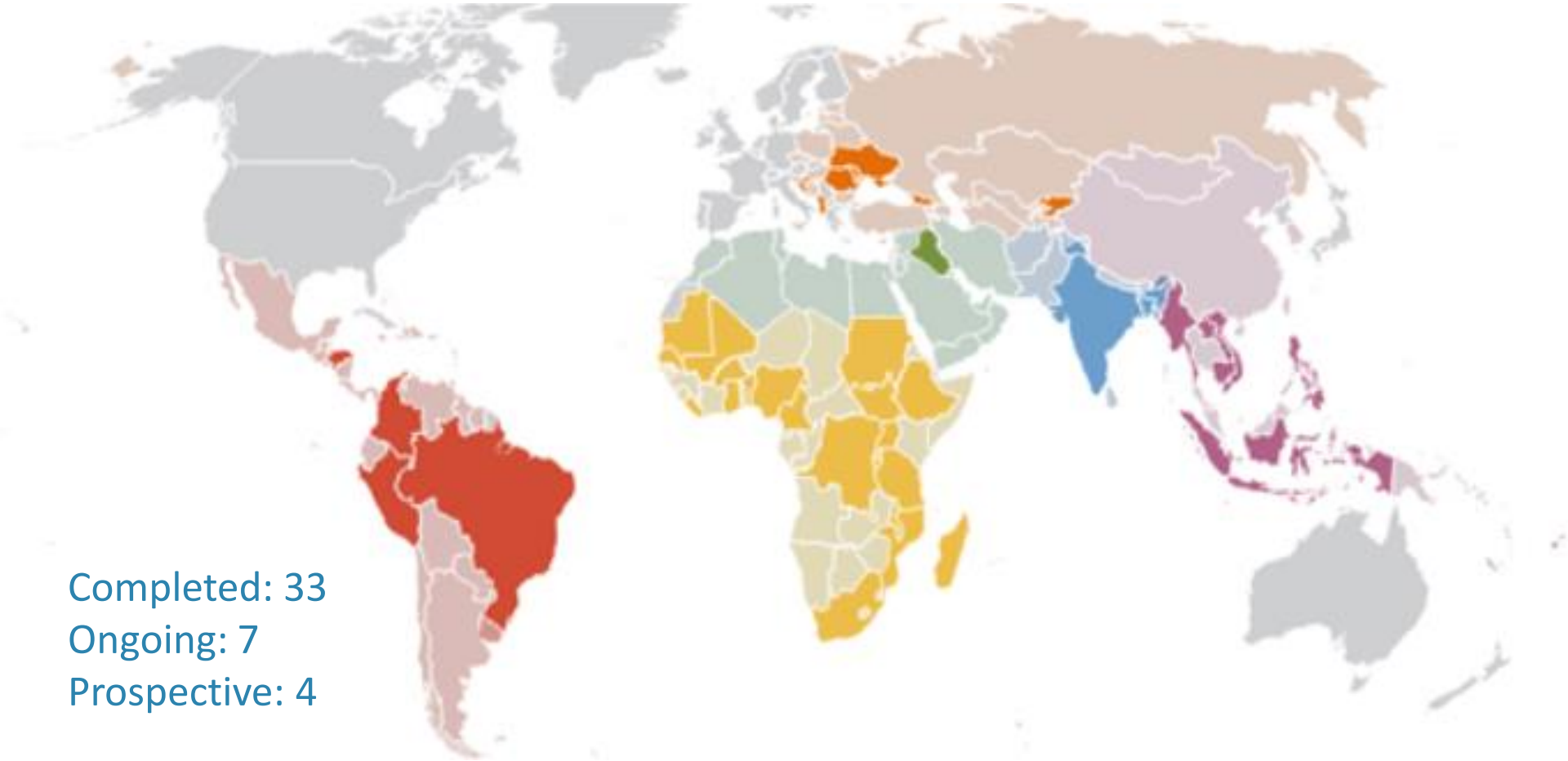
CADASTA

HOME ABOUT US COMMUNITY PLATFORM BLOG FUNDER



TAKE A TOUR OF OUR BETA MVP RELEASE

LGAF in 44 countries

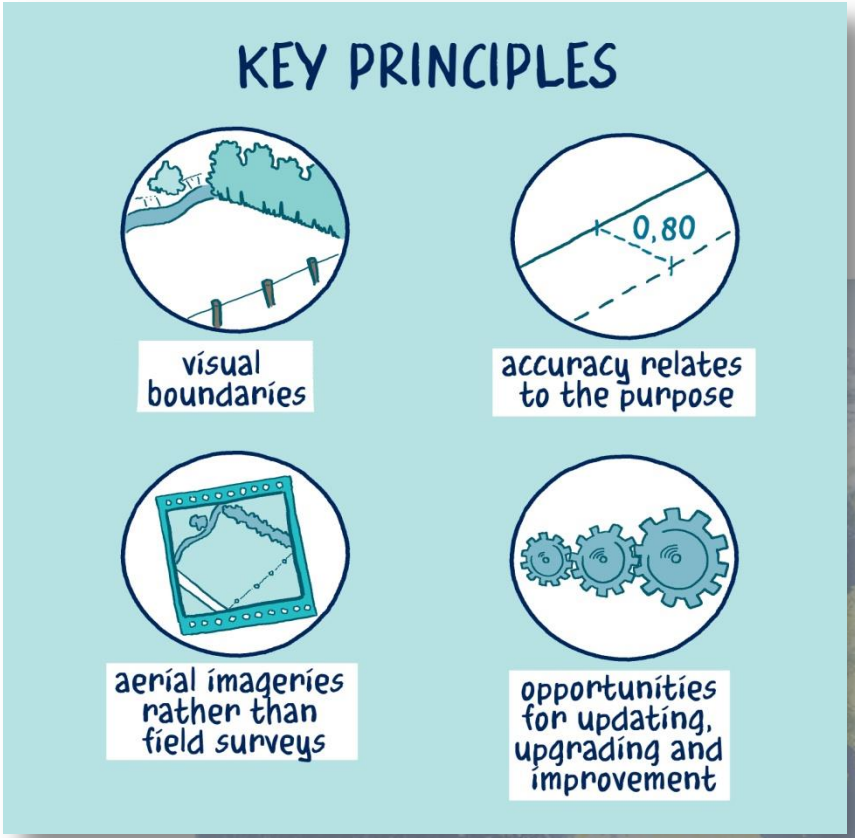


Completed: 33
Ongoing: 7
Prospective: 4

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

Best Practices

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



Partnerships

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

GGIM
UNITED NATIONS INITIATIVE ON GLOBAL GEOSPATIAL INFORMATION MANAGEMENT

GLTN
GLOBAL LAND TOOL NETWORK

WORLD BANK

JBGIS
Joint Board of Geospatial Information Societies

OGC™
Open Geospatial Consortium, Inc.

FIG

pitney bowes
DigitalGlobe
BENTLEY
ESRI
Trimble
INTERGRAPH
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
Stesalit
An SEI-CMMI Level3 Company
NAVTEQ
Microsoft
PCI
Geomatics
1Spatial
LUCIAD
THOMSON REUTERS
Raytheon
galdos
systems inc
Skyline
Leica
Geosystems
esri India
wikitude
CubeWerx
Interoperable Services for the Geo-Spatial Web
Snowflake
software
exactEarth
ADCC
Infocad Limited
Insurance Evolved
FM Global
LIZARDTECH
a celartem Company

Leadership UN-GGIM

$ 10 – 20 per parcel

$ 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

Conclusions

- 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.