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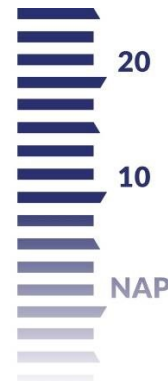
Fit for Purpose Land Administration
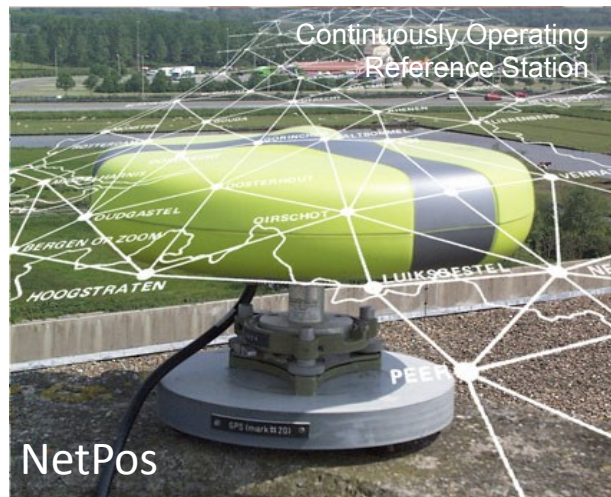
KEES DE ZEEUW – Director Kadaster International

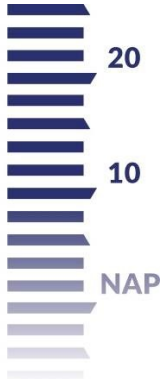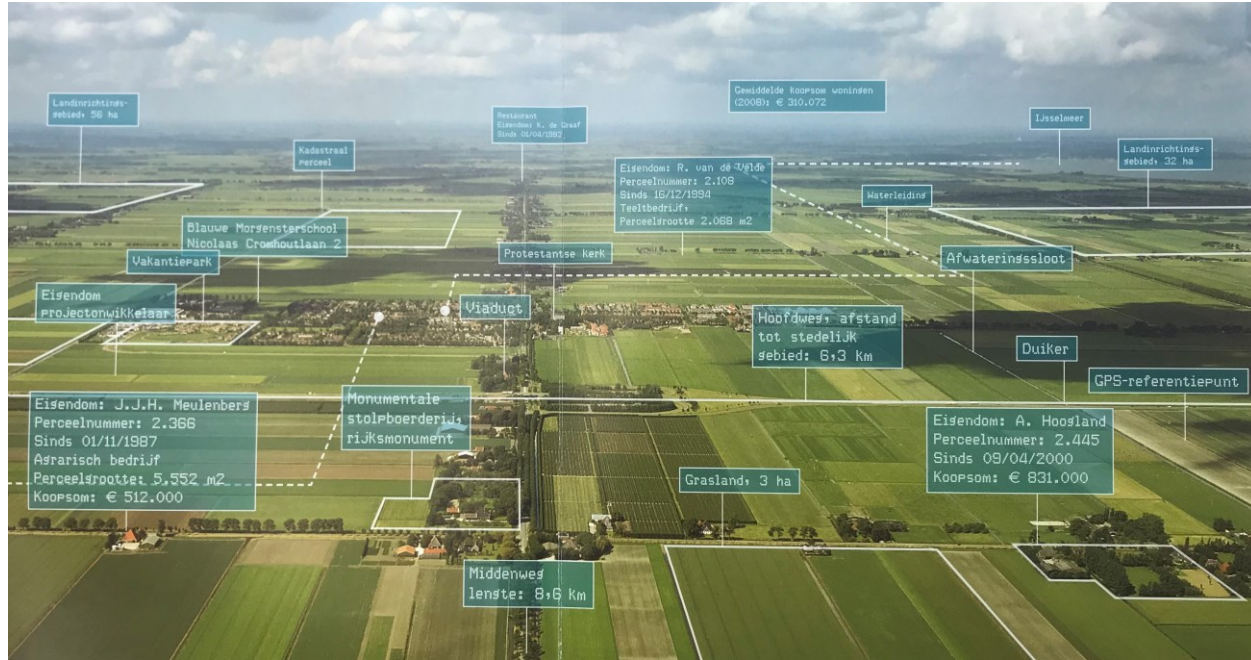# Welcome in the Netherlands

CORS and sub-decimeter precision

Continuously Operating Reference Station

NetPos

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Fit for our purpose

Land administration in the world
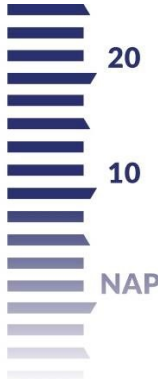
Land rights

Private property

Customary rights
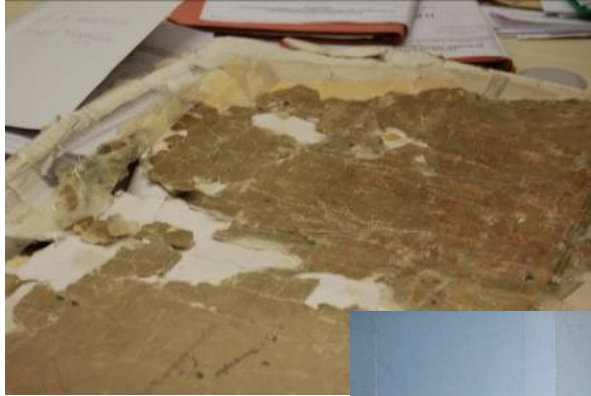
Slums

State lands

Common lands

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Cadastral maps and land registries

State of play

	Total	SSA	ECA	LAC	MNA	OECD	SAS	EAP
Private plots in city registered	0.22	0.04	0.32	0.03	0.14	0.68	0.25	0.24
Private plots in city mapped	0.46	0.13	0.60	0.31	0.48	0.97	0.25	0.52
Private plots in country registered	0.22	0.04	0.32	0.03	0.14	0.68	0.13	0.24
Private plots in country mapped	0.24	0.02	0.40	0.03	0.14	0.71	0.13	0.28
No. of countries	189	47	25	32	21	31	8	25

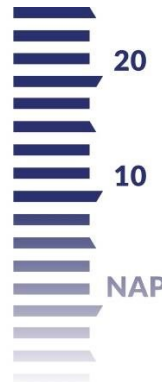Source: K. Deininger – World Bank (2017)

SSA – Sub-Sahara Africa
ECA – Europe and Central Asia
LAC – Latin America and the Caribbean
MNA – Middle East and North-Africa
SAS – South Asia
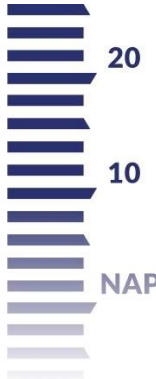EAP – East Asia and the Pacific

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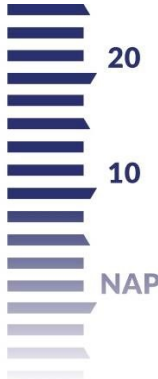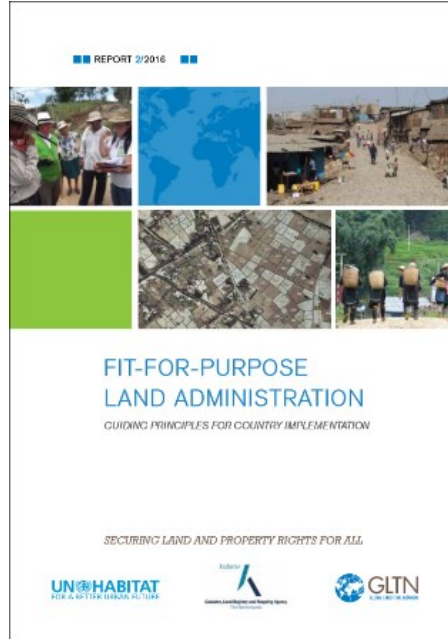AMSTERDAM 30 May – 1 June 2018

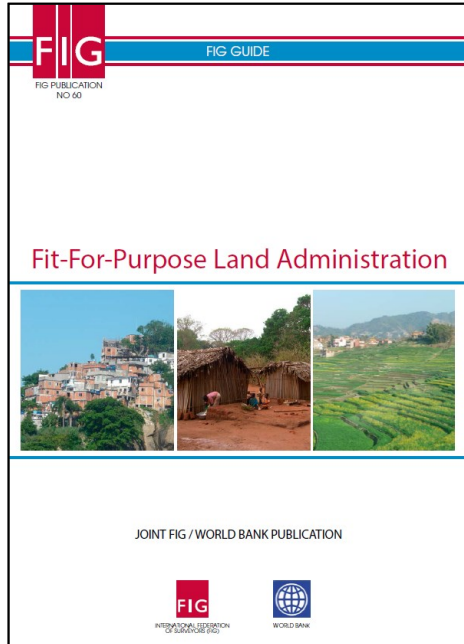# Sustainable Development Goals (2030)

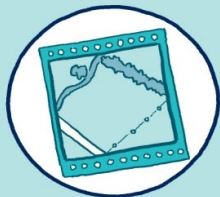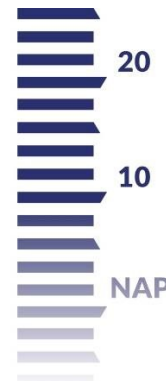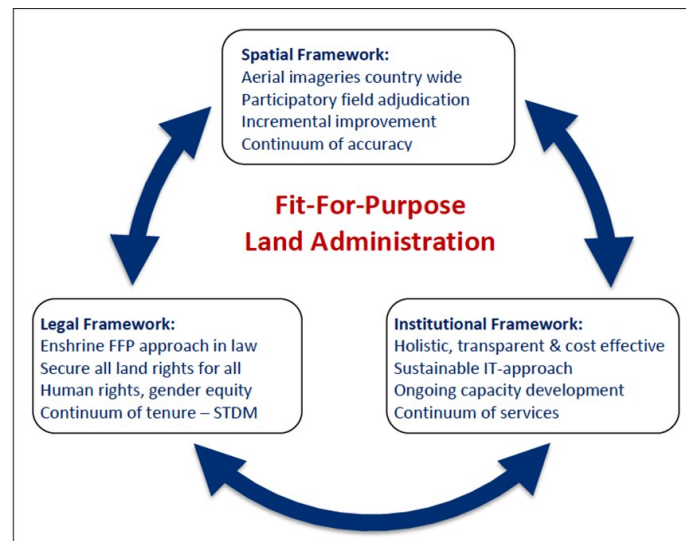# Fit For Purpose Land Administration

KEY PRINCIPLES

visual boundaries
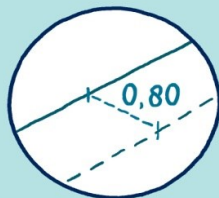
accuracy relates to the purpose

0,80

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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The need for geo-referencing

0   250   500   1,000
Meters

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REACH RS+

RTK GNSS receiver
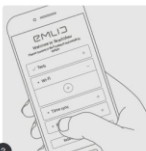with an app as a controller

LEARN MORE

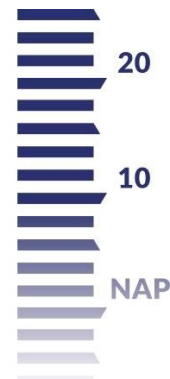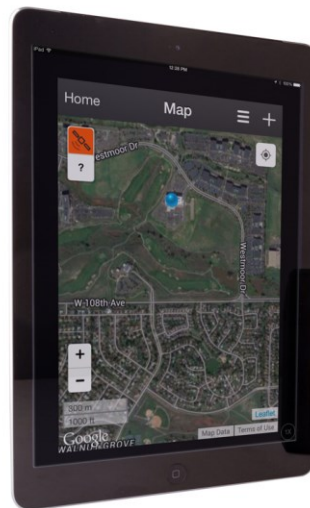1. Fix it on a rod/tripod and connect the radio antenna
2. Hold the power button for 3 seconds to turn Reach RS on
3. Connect to your Reach RS and open the ReachView app
4. Configure the Rover-Base connection

Home   Map

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
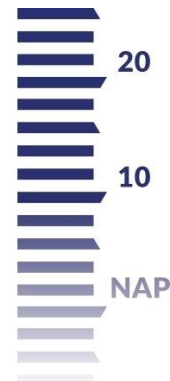
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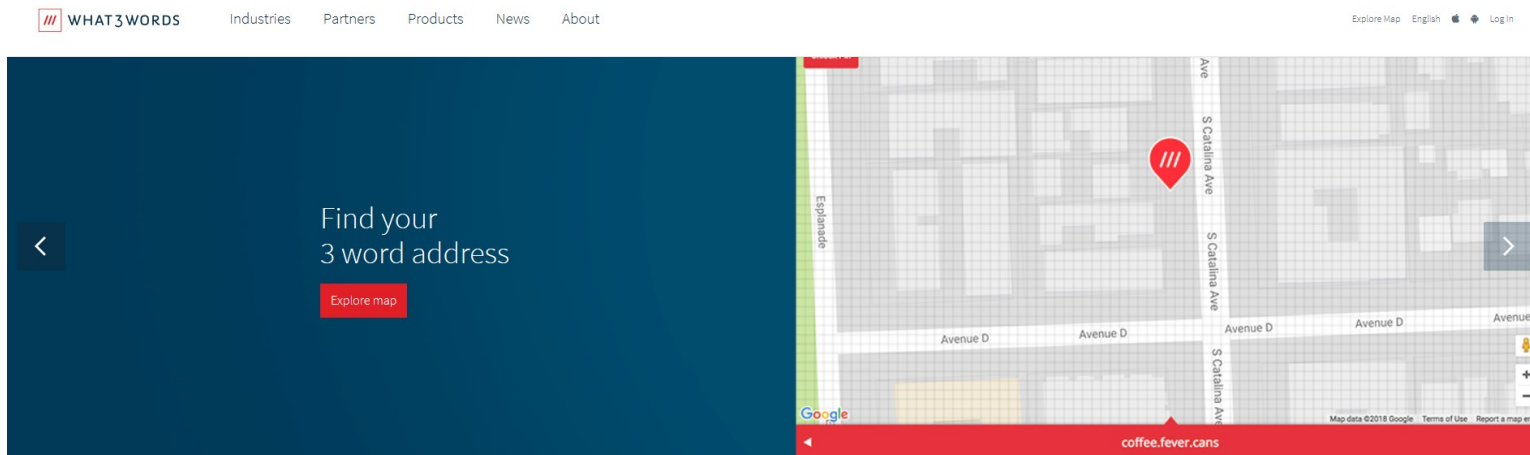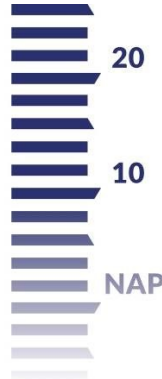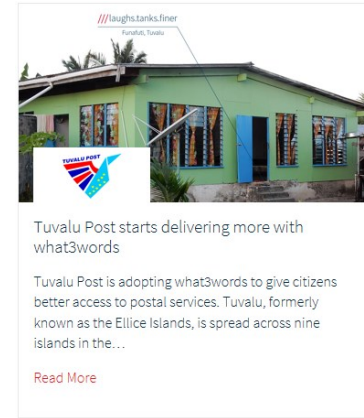AMSTERDAM 30 May – 1 June 2018

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Fit for Purpose in geo-referencing?

Need for innovation
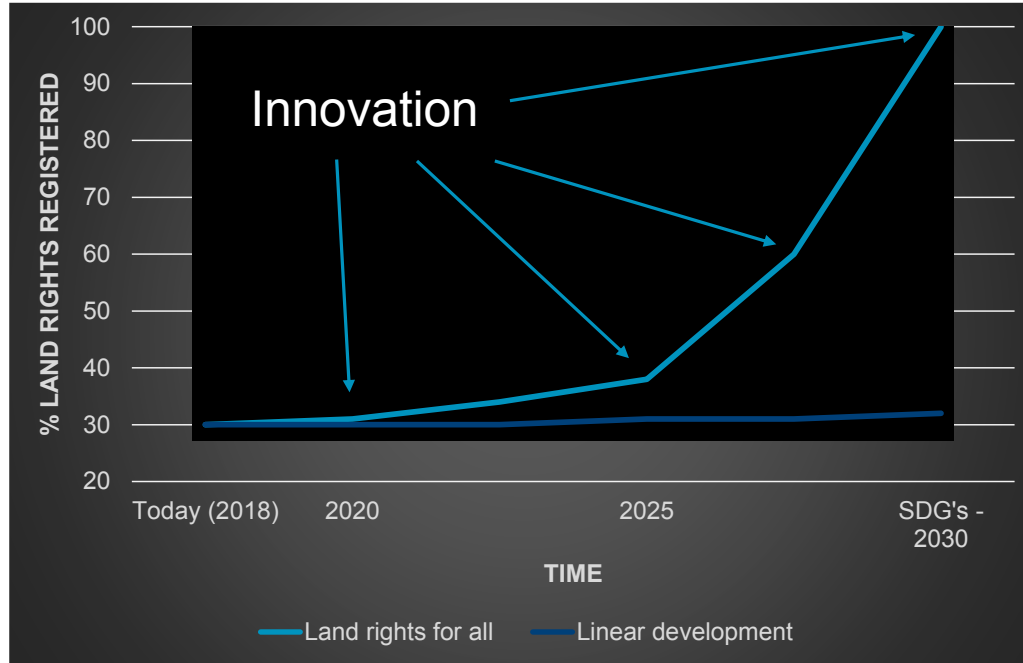
Innovation in the geo-spatial framework

- Participative GPS measurements
- Automatic Feature Extraction
- Crowd sourced data
- Satellite imagery
- Drones / UAV's
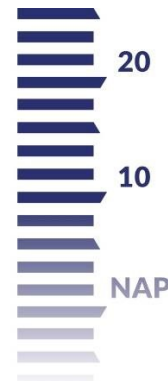- Sensor networks
- … ?

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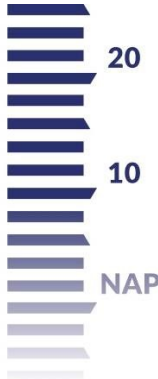
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Conclusions

- Land rights for all (SDG's, 2030)
- Spatial frameworks needs geo-referencing
- Fit for Purpose Land Administration
- Need for innovation in geo-referencing

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kadaster