



The need for
Fast, Cheap & Good
Land Administration

Kees de Zeeuw *MSc*
Director Kadaster International
The Netherlands



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

© Kees de Zeeuw, WCS-CE Istanbul, Turkey, 20-24 April 2015.
21.05.2015





People – Land – Registrations

70% of the world: Non-existent

© Kees de Zeeuw, WCS-CE Istanbul, Turkey, 20-24 April 2015. 21.05.2015

Need for land administration

- Poverty, slow economic growth
- Corruption and inequity
- No sustainable development



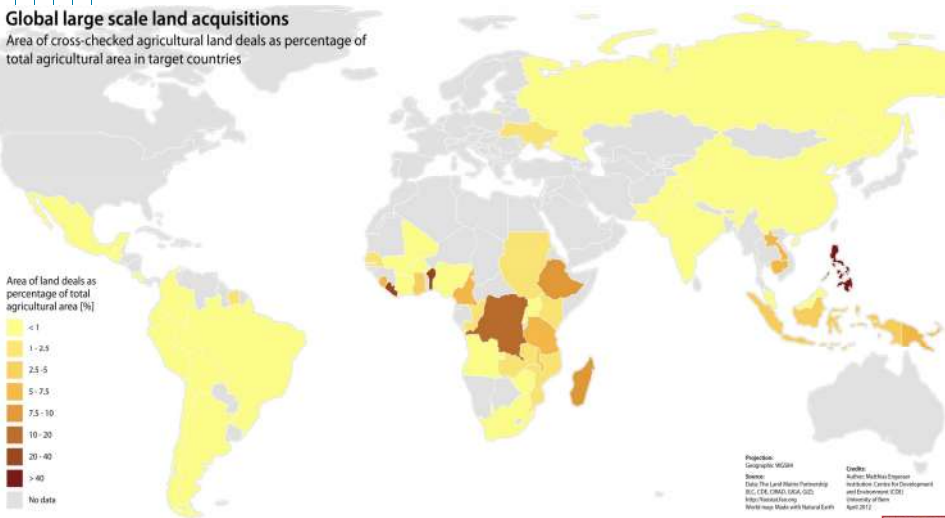
© Kees de Zeeuw, WCS-CE Istanbul, Turkey, 20-24 April 2015.
21.05.2015



Large scale land acquisition ('land grabbing')

Global large scale land acquisitions

Area of cross-checked agricultural land deals as percentage of total agricultural area in target countries




Area of land deals as percentage of total agricultural area [%]

< 1
1 - 2.5
2.5 - 5
5 - 7.5
7.5 - 10
10 - 20
20 - 40
> 40
No data

Projection: Conformal Mercator
Source: Data The Land Matrix Transparency (LMT) (2012), FAO (2012)
Info: The World Bank
World Map: World and Natural Earth

Projector: Kees de Zeeuw
Editor: Kees de Zeeuw
Date: 20-24 April 2015
Info: The World Bank
World Map: World and Natural Earth

© Kees de Zeeuw, WCS-CE Istanbul, Turkey, 20-24 April 2015.
21.05.2015



Land Administration

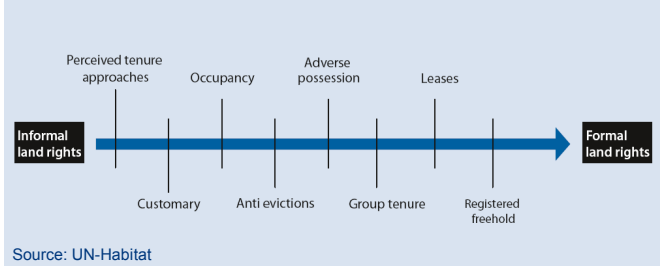


© Kees de Zeeuw, WCS-CE Istanbul, Turkey, 20-24 April 2015.
21.05.2015




Different land rights in the world

- Formal – informal
- Property – use
- Private – state property



Source: UN-Habitat

© Kees de Zeeuw, WCS-CE Istanbul, Turkey, 20-24 April 2015.
21.05.2015



Cadastral registration is difficult

© Kees de Zeeuw, WCS-CE Istanbul, Turkey, 20-24 April 2015.
21.05.2015

Waiting transactions

Where corruption starts

© Kees de Zeeuw, WCS-CE Istanbul, Turkey, 20-24 April 2015.
21.05.2015

What's the problem?

- 600 – 1200 years of work?
- 5 – 2000 US\$ per parcel?
- > 100 Billion US\$ budget?

- **New thinking**
- **New technology**
- **New leadership**



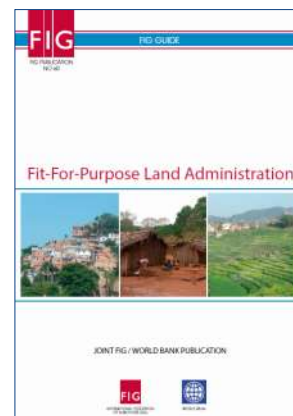
© Kees de Zeeuw, WCS-CE Istanbul, Turkey, 20-24 April 2015.
21.05.2015



New thinking: Fit for Purpose

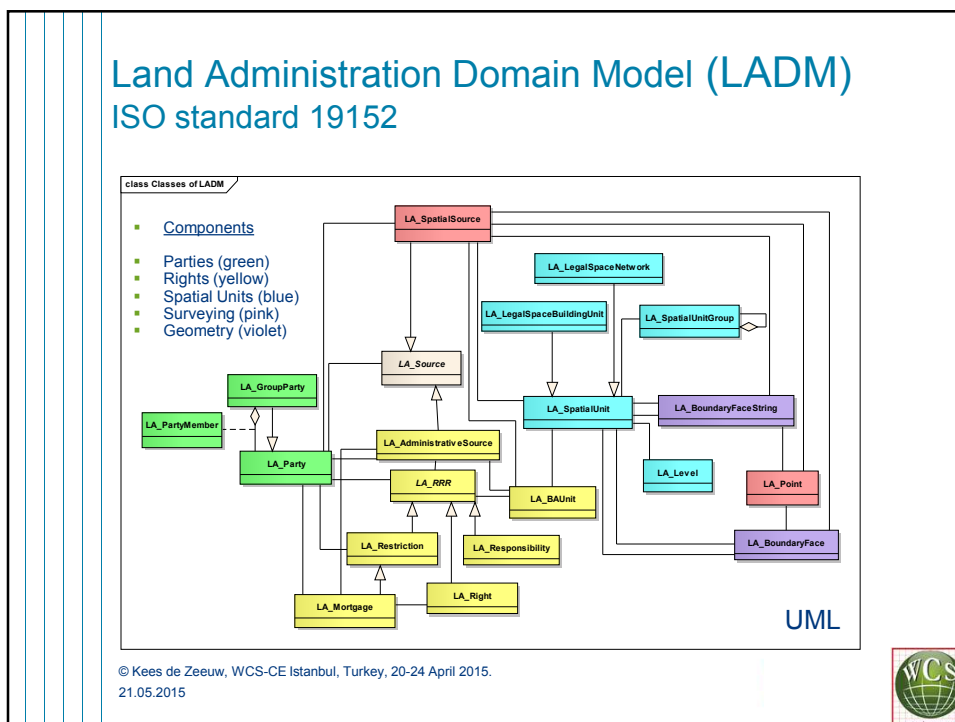
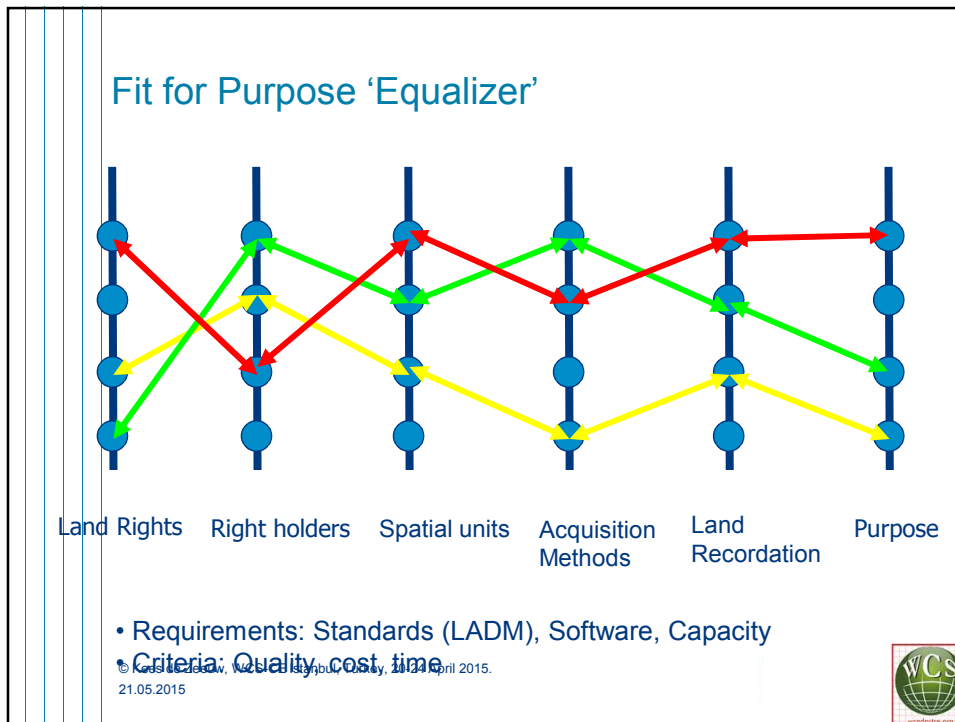
Key principles:

- Visible boundaries rather than fixed boundaries
- Satellite images/orthophotos rather than field surveys
- Accuracy relates the purpose rather than technical standards
- Opportunities for updating, upgrading and improvement





© Kees de Zeeuw, WCS-CE Istanbul, Turkey, 20-24 April 2015.
21.05.2015



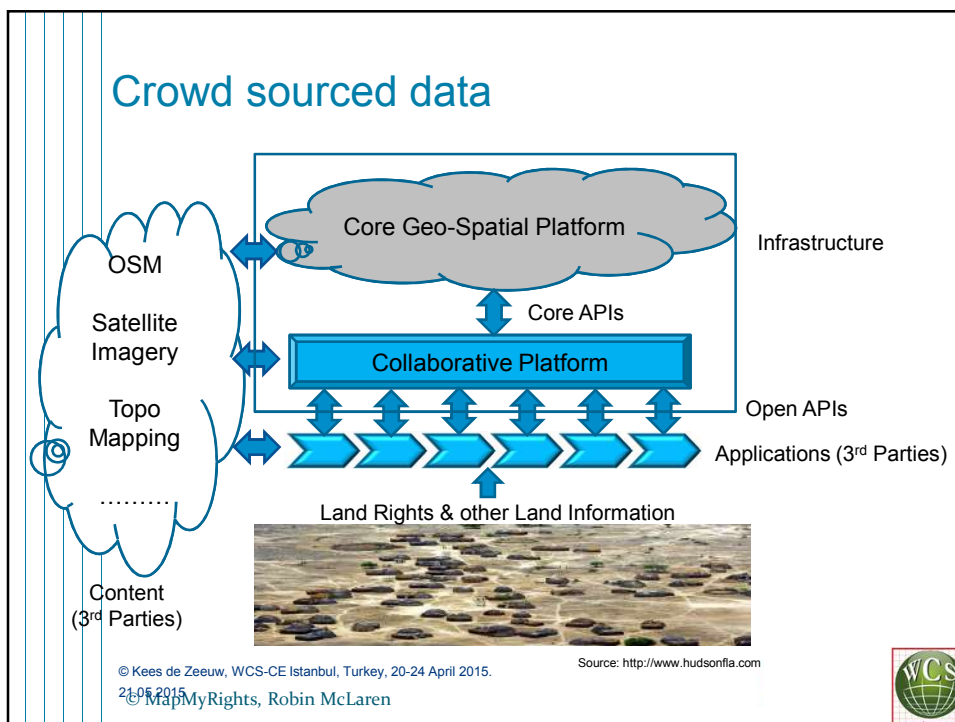



Integration of worlds

- Statistics
- Mapping
- Remote Sensing
- *Land Administration*

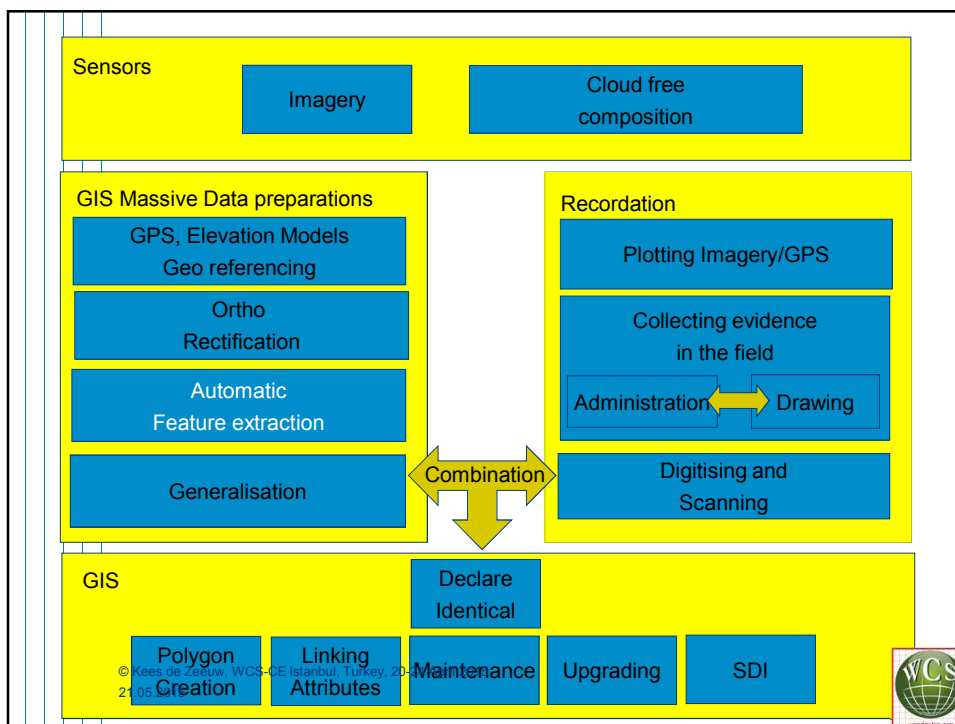


© Kees de Zeeuw, WCS-CE Istanbul, Turkey, 20-24 April 2015.
21.05.2015



New technology

© Kees de Zeeuw, WCS-CE Istanbul, Turkey, 20-24 April 2015.
21.05.2015



Leadership

© Kees de Zeeuw, WCS-CE Istanbul, Turkey, 20-24 April 2015.
21.05.2015

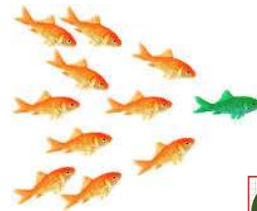
Public Private Partnership

- Shared ambition: Cadastre the world within one generation!
- The private sector is developing user-centric approaches, while governments focus on citizens, being citizen centric

© Kees de Zeeuw, WCS-CE Istanbul, Turkey, 20-24 April 2015.
21.05.2015

Conclusions

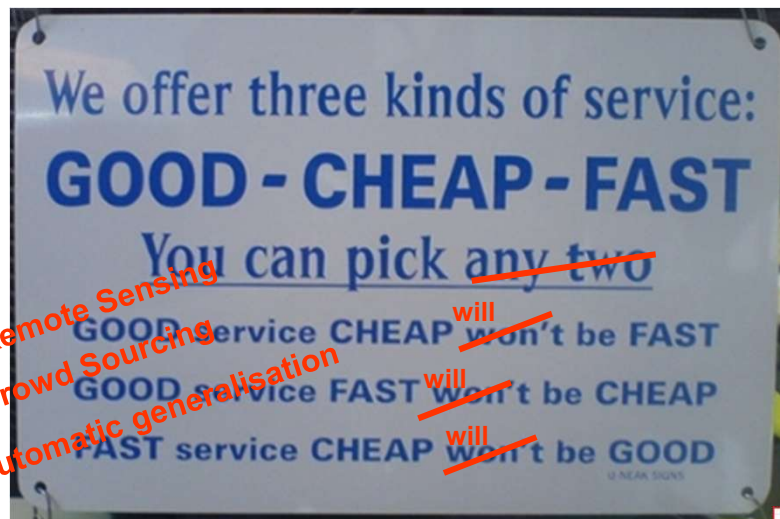
- **New thinking** is needed
 - Fit for Purpose, integration of worlds
- **New technology** is needed
 - Automatic feature extraction, cloud & crowd, sensors, Remote Sensing, ...
- **New leadership** is needed
 - This summit
 - Public Private Partnerships
- **You** are needed



© Kees de Zeeuw, WCS-CE Istanbul, Turkey, 20-24 April 2015.
21.05.2015



New paradigm



© Kees de Zeeuw, WCS-CE Istanbul, Turkey, 20-24 April 2015.
21.05.2015



