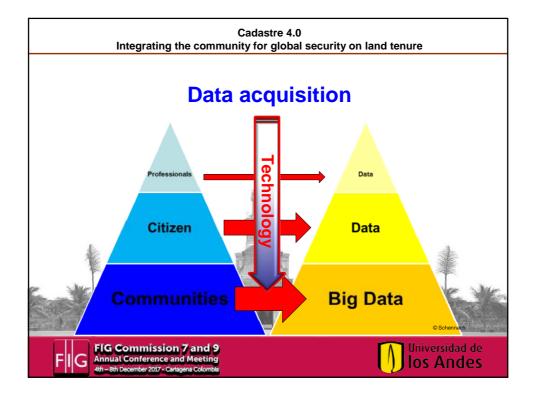


What about technology?

- Ø internet of things / VGI / sensors e.a.
- Ø everyone produces and publishes everything
- Ø data are accessible for everyone and become a public (community) good
- Ø data reflect visible world ≠ legal status
- Ø smart procedures for selective processing of big data
- Ø smart systems automatic acquisition of data and information
- Ø work is no longer bound to location of land
- Ø users (land owners) equal partners in systems
- Ø users (land owners) may be big players in systems







New business models

- Ø communities produce substitutes
- Ø society is user and producer
- Ø open government data vers. open data
- Ø ownership of data (citizen, third party, community data...) and structures (hosts, clouds....)
- Ø financing / self-financing / cost-benefit models
- Ø shift of power from public authorities to communities/citizen
- Ø distributed responsibility models
- Ø public authorities take role as facilitator and moderator
- **visers** equal partners in systems
- Ø change of paradigm for professionals





Cadastre 4.0 Integrating the community for global security on land tenure

The changing paradigm

Cadastre for Society gets created by Society

- Ø technology is available and cheap
- Ø new type user society growing
- Ø land owners get active information providers
- Ø citizen as passive data providers

Stakeholders become Decisionmakers

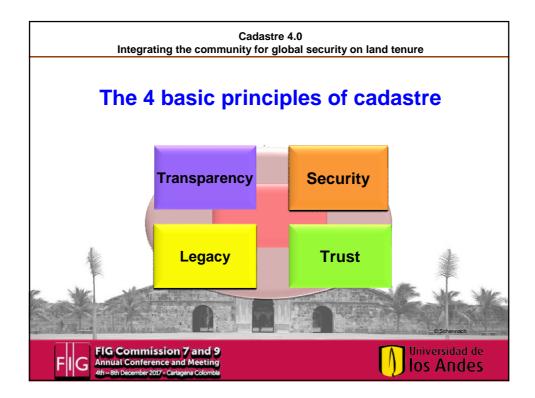
- Ø user profiles changing communities
- Ø community creates their own "regulations,,
- Ø standards set by communities

Citizen become Shareholders

- Ø communities are core part of the (formal) processes
- Ø citizen are owner of information
- Ø self-monitoring systems secure fit-for-purpose quality







Cadastre 4.0

- Ø services on demand by users provide legacy (cultural variety)
- Ø flexible processes defined in moment of request
- Ø self optimising processes increase security for users
- Ø datasets know at their creation where they will be integrated
- System finds data which is needed/appropriate from relevant data sources and creates product/service
- Ø transparent to users ▶ citizen ▶ land owners
- Ø infrastructures and potential of systems for big data mgt.
- Ø decentralised steering on demand (authentity)
- o users and stakeholders intervene directly into the processes
- ø self-monitoring systems create trust (blockchain)





Cadastre 4.0

Cadastre 4.0 is a system based on fully automatically processing within a network surrounding of people and devices embedded in technological intelligence

The aim is to get to a self-operating structure built upon intelligent devices and procedures and data collections where the demand is defining the process instead of building upon defined and fixed processes.







