





Cadastre 4.0 A demand for the future

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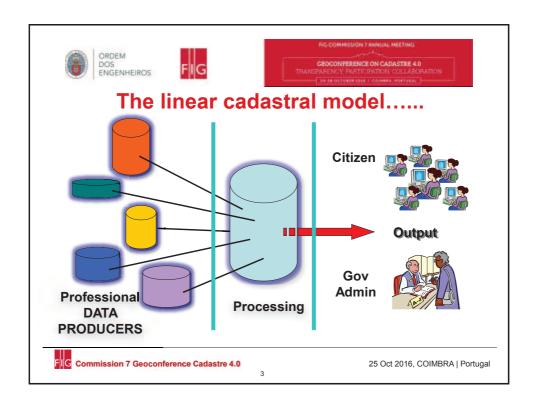


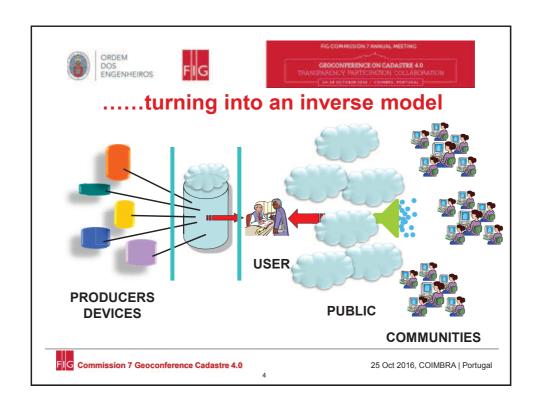
Cadastre 4.0 is a system based on fully automatically processing within a network surrounding of people and devices embedded in technological intelligence

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.



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The changing paradigm

Cadastre for Society gets created by Society

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

Stakeholders become Decisionmakers

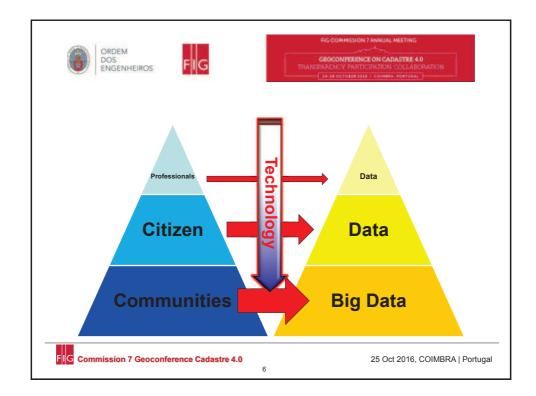
- > user profiles changing communities
- > community creates their own "regulations,"
- > standards set by communities

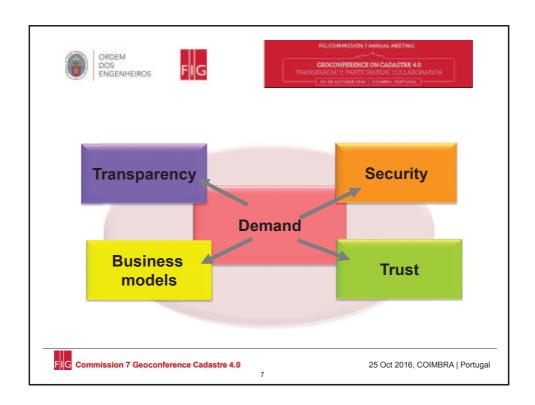
Citizen become Shareholders

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



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Why Cadastre 4.0?

- > internet of things / VGI / sensors e.a. for added value
- > smart procedures for selective processing of big data
- integrated processes to maintain cadastral systems
- > self steering processes increase security for users
- product people private public equal partners
- > smart systems automatic acquisition of data and information
- > services on demand by users
- > datasets know at their creation where they will be integrated
- > flexible processes defined in moment of request
- > land owners may be big players in systems



FIG Commission 7 Geoconference Cadastre 4.0

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Cadastre 4.0

Characteristics:

- decentralised steering by demand (users)
- users and stakeholders participate directly into the processes
- self-optimising processes and systems
- self-monitoring system
- ❖ transparent to users ➤ citizen ➤ land owners
- system finds data which is needed/appropriate from relevant data stock



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