

Cadaster 4.0

Cadaster for people made by people.

Cadastre 4.0 as a **paradigm** (from FIG website)

close the circle between new technologies and automatization of processes, products and services and stakeholders, including citizen and land owners as essential partners at equal level.

It is a **partnership model** building coalitions /symbiosis between professionals in private and public service, between citizen and users and public authorities and between technology and society.

Cadastre 4.0 establishes **links between the virtual and real world** securing interests of land owners, society, governments and economy.

It sets the scene for permanent communication between **people, procedures and products**. The Internet of Things is amended by a social aspect.

Cadastre 4.0 if implemented, will help to **save resources** and at the same time will provide solutions in a more flexible, a more efficient and a more social way.



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LAND IS ABOUT PEOPLE

People and Cadaster 4.0

People are the ultimate objective

Access to land is a basic human right (Teresa from Portugal)

Basic needs (housing, work, education) are in the form of land

In developing countries:

Land is not about a market but an instrument for reducing poverty



PEOPLE-LAND RELATIONSHIP IS UNIQUE FOR EACH CULTURE

Relationships and Cadaster 4.0

How your citizens like your cadaster? (Robin from Scotland)

How they are using it?

What are people needs compare to the outcomes of the cadaster?

In developing countries:

Traditional land administration and different relationships should be part of the mix



LAND NOT ONLY PRODUCE FOOD, GENERATES IDENTITY AND SECURITY

Identity and Cadaster 4.0

The cadaster system should represent the identity of the people it affects

Productivity is in touch with the identity of the people

In developing countries:

Land protection is about protecting identity and not resource management



Conflict and Cadaster 4.0

Land should not be the subject of a conflict but the territory where solutions are found

Separation is not the only verb: let's think about collaboration, sharing, cooperation

In developing countries:

Land governance could not be exercised by compromising the wellbeing of communities



SUSTAINABLE DEVELOPMENT IS THE GOAL TODAY

Sustainable development and Cadaster 4.0

Millennium Development goals are about people, not land

In developing countries:

The 8 MDG Goals

- 1  Eradicate extreme poverty and hunger
- 2  Achieve universal primary education
- 3  Promote gender equality and empower women
- 4  Reduce child mortality
- 5  Improve maternal health
- 6  Combat HIV/AIDS, malaria and other diseases
- 7  Ensure environmental sustainability
- 8  Develop a global partnership for development

When we focus on the **needs of people** not land, the cadaster delivers 4.0; otherwise we still in a previous version

