



# XXVII FIG CONGRESS

11-15 SEPTEMBER 2022  
Warsaw, Poland

Volunteering  
for the future –  
Geospatial excellence  
for a better living

## The future of National Mapping and Cadastral Agencies in a digital world

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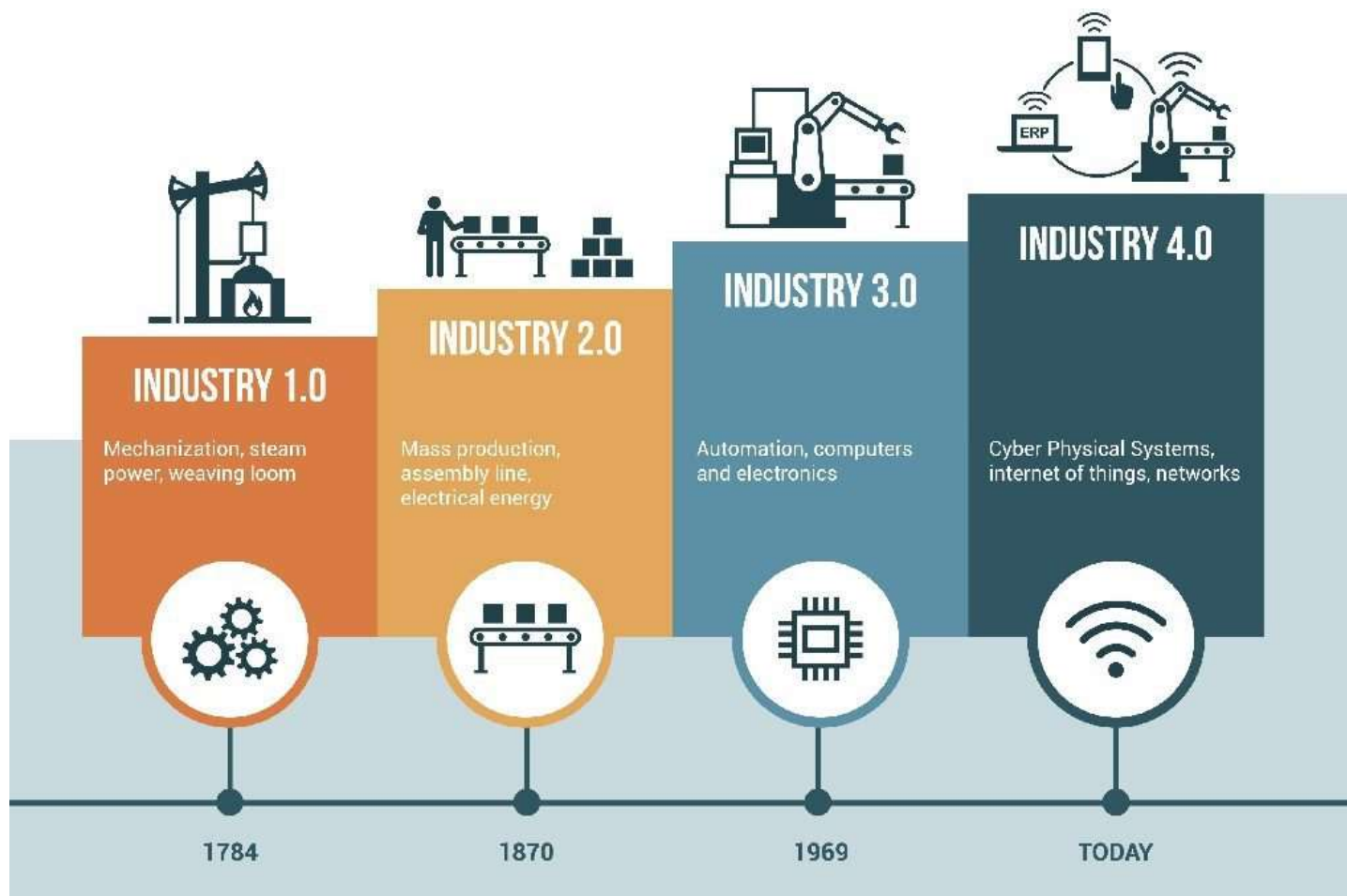
September 14th, FIG Congress Poland

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## Land Administration Information and Transaction Systems: State of Practice and Decision Tools for Future Investment

Millennium Challenge Corporation (MCC)  
Solicitation Number: 95302419C006

Final State of Practice Paper

August 2020

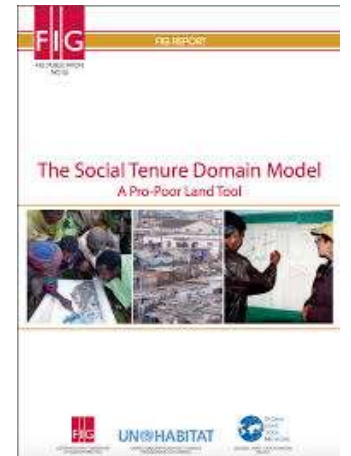
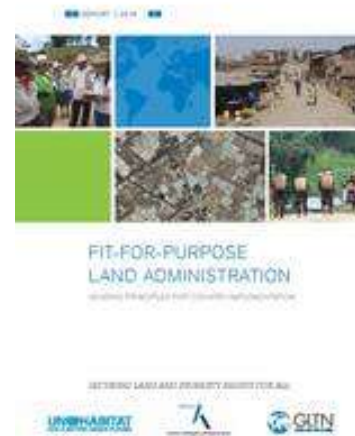
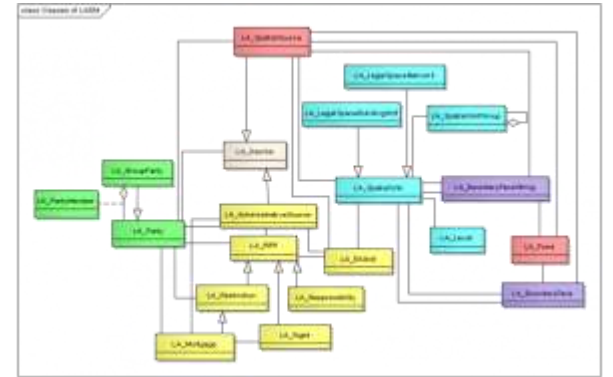
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Land Equity  
International



Cadastre, Land Registry and Mapping Agency  
The Netherlands



- Long term thinking
- Difficult to execute and often major delays
- Inhouse ICT system development and incremental approaches
- No single focus on initial land recordation or LIS development
- Poor infrastructure, lacking IT knowledge, system complexity, poor management practices, insufficient budgets etc.

**Investors and donor partners start to be hesitant in huge ICT investments because of continuity and sustainability problems.**



## Kadaster international's experiences in the field

- No plan or strategy to finance the maintenance of Land Information Systems



## Kadaster international's experiences in the field



## Important aspects to consider:

- Political decisions that have to be made:
  - Are the data in the Land IT system (allowed to be) disseminated and being paid by the user?
  - If yes, do the revenues (partly) flow back to the NMCA or to the state treasury?
- The amount of (reliable) land data that is stored in the land IT system.
- If sufficient land data (e.g. land titles) are not yet available, systematic land registration might be considered



## Kadaster international's experiences in the field

- Lack of ICT professionalism in developing contexts



## What to do?

- NMCA's need to have a sustainable business model
- ICT as a profession must be represented at the highest level
- NMCA's cannot do it all themselves: support is needed by private companies and modern (geospatial) technologies
- NMCA's need to take their role in digitisation serious. They cannot simply outsource IT development and maintenance to private companies
- NMCA's have to become an attractive employer for (young) IT professionals

**Invitation to all NMCA's, donors, private companies and all those interested to join the discussion!**

