Are We Embracing the Global Transformative Forces?

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The “doughnut” of social and planetary boundaries for development

Transformation within boundaries

Just, Secure, Inclusive, Sustainable
A new transformative development agenda is needed
Institutions (e.g. for land governance) constitute the glue of trust from which the society and individuals can grow.
Change agents

- Digitization
- Globalization
- Urbanization
- Climate change
- Individualization
- Knowledge-based society
- Diversity and pluralism
- Technological advancement
- Sharing economy
- Agenda 2030

Define what we do, how we do things and what is possible to do.
Client expectations

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**Smart Contracts**
For a faster and safer deal.

1. Purchase → Bill of Sale → Title Search

Logged in (Mr. Smith), Buyer.

Wait for the seller to sign the contract

Logged in (Mrs. Brown), Seller.

Sign the purchase agreement
Read the document by clicking the clip below.
Are the authorities needed?

Yes as

- Experts
- Facilitators
- Communicators
- Problem-solvers

...and it will go faster than we think!

to a less extent handling of cases
A crossroad

Prevent, ignore

Understand, implement

[Images of stop signs, thumbs up and down, signposts with questions: When, Where, How, What, Which, and a man with a headset]
Involvement in state priorities and investigations

- Housing - 700,000 in 10 yrs
- Climate change initiatives
- Smart cities
- Digital first – speed up planning and building process
- E-government
- Framework for national 3D geospatial data
- Blockchain technology
- Standardized geospatial processes with local gvt
- Update national Geospatial Strategy focusing on solving future challenges in the society
- Licensing of dissemination of information from UAVs
- 3D/4D and closing the gap between BIM and GIS
- Open data - consequence analysis

- Increased interaction
- More complex decision-making processes
- Make necessary priorities
- Control processes
- Designate accountability
- Increased business intelligence and international collaboration
External analysis more important

Scenarios vs vision and prognosis

SCENARIO 1
GLOBAL SUSTAINABILITY

SCENARIO 2
THE BIG CITY POLICY

SCENARIO 3
MUNICIPALITIES IN COMPETITION

SCENARIO 4
THE MODERN MILL TOWN
Agile organisation

Provide the organisation with opportunities and prequisites to quickly adapt to a changing environment:

• The management at different levels defines the framework for the employees to relate to and the team independently decide how the work is carried out
• Individuals and interactions more valued than processes and tools
• The leader’s role is more to coach and inspire and believe in their staff and that they can perform their duties without being detail-driven
• The agile methodology leaves more space for innovations at Lantmäteriet as compared to the more rigid process-centric methodologies
Innovative organisation

- 24 hrs Hackathon, internal innovation day
  - Brainstorm
  - Construct
  - Keep track of time
  - Present
  - Vote, win, celebrate

- Hack for Sweden, open for the public
  - Combine open data from 23 authorities
  - SDGs, sustainable cities, information society
Regulatory changes

• Legal revisions to safeguard efficient implementation of transparent procedures and services which are made digital

• Automated coordination with other actors involved

• Introduced e-services for property owners through automatically generated decisions in land registration services

• A more “firm” legislation with less room for deliberate balancing and at the same time provide for more transparency
Cadastral procedures conducted by the citizen - maybe it will be like this?

1. Strengthen decision support
2. Accessible for citizens
3. Self-conducted case-handling

% automated cadastral case handling

- 0%
- 100%

2016 Later Future

Isolated operations

Exceptional cases

Moderate degree of difficulty

Simple cases
Attract new talents

- The most important core values to attract new talents:
  - to offer them to be part of, and contribute to, the development of the society
  - personal satisfaction of providing others, i.e. the general public, with an objective, impartial, apolitical and high-quality service
  - to offer challenging and varying work tasks in an environment that rewards good performance
Inclusion of the young generation

New ways of marketing
- Maps of Sweden tailored for Minecraft
- Social media
- Geoschool

Characteristics
- Recognize the global transformation forces as something natural in their perception of the world
- Put unconditional pressure for new expectations of public performance
- Neither tied to old decisions and behaviors, nor to obsolete ways of working
- Interest in early adaption to new technologies and a different way of living, enable them to think more open-minded
- Lantmäteriet today has a lot wider spectra of individuals with different backgrounds, competences and age
THANK YOU!

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