

Are We Embracing the Global Transformative Forces?

FUTURE 12

Fredrik Zetterquist, Chair UN-ECE WPLA

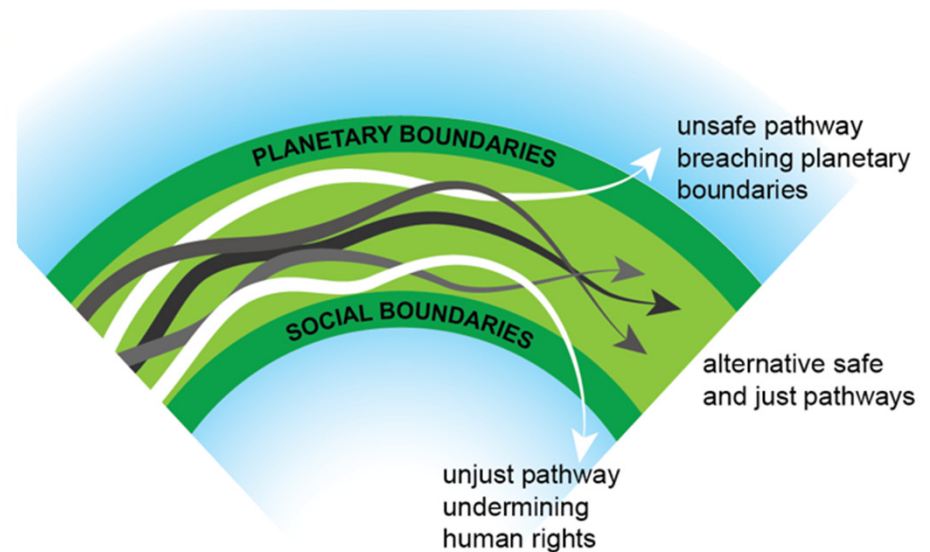


UNECE

The “doughnut” of social and planetary boundaries for development



Transformation within boundaries



Just, Secure, Inclusive,
Sustainable

Agenda 2030

| Sub-theme~ | Relevant 2030 Sustainable | Relevant New Urban Agenda |
|--|---|---------------------------|
| Secure equitable control o Sustaina |  | 107, |
| Respons governan | | 6, 88, |
| Land ba for the b | | 104, |
| Respons manage | | 69, 71, |

The Swedish Delegation for the Agenda 2030



An independent committee commissioned to:

- Assess the extent to which Sweden fulfils the goals and targets
- Submit proposals for an overarching action plan for Sweden's implementation
- Disseminate information on examples of best practice in the area of socially, economically and environmentally sustainable development

A15    

[illegible]

Lantmäteriet's contribution of particular importance to the SDG 's



1.4 control over land and other forms of property



2.3 secure and equal access to land



5.a women access and ownership and control over land



6.5 water resources management



9.1 sustainable infrastructure



11.2 sustainable transport systems (road and rail)



11.3 sustainable urbanization



11.5 increased ability to adapt to climate hazards



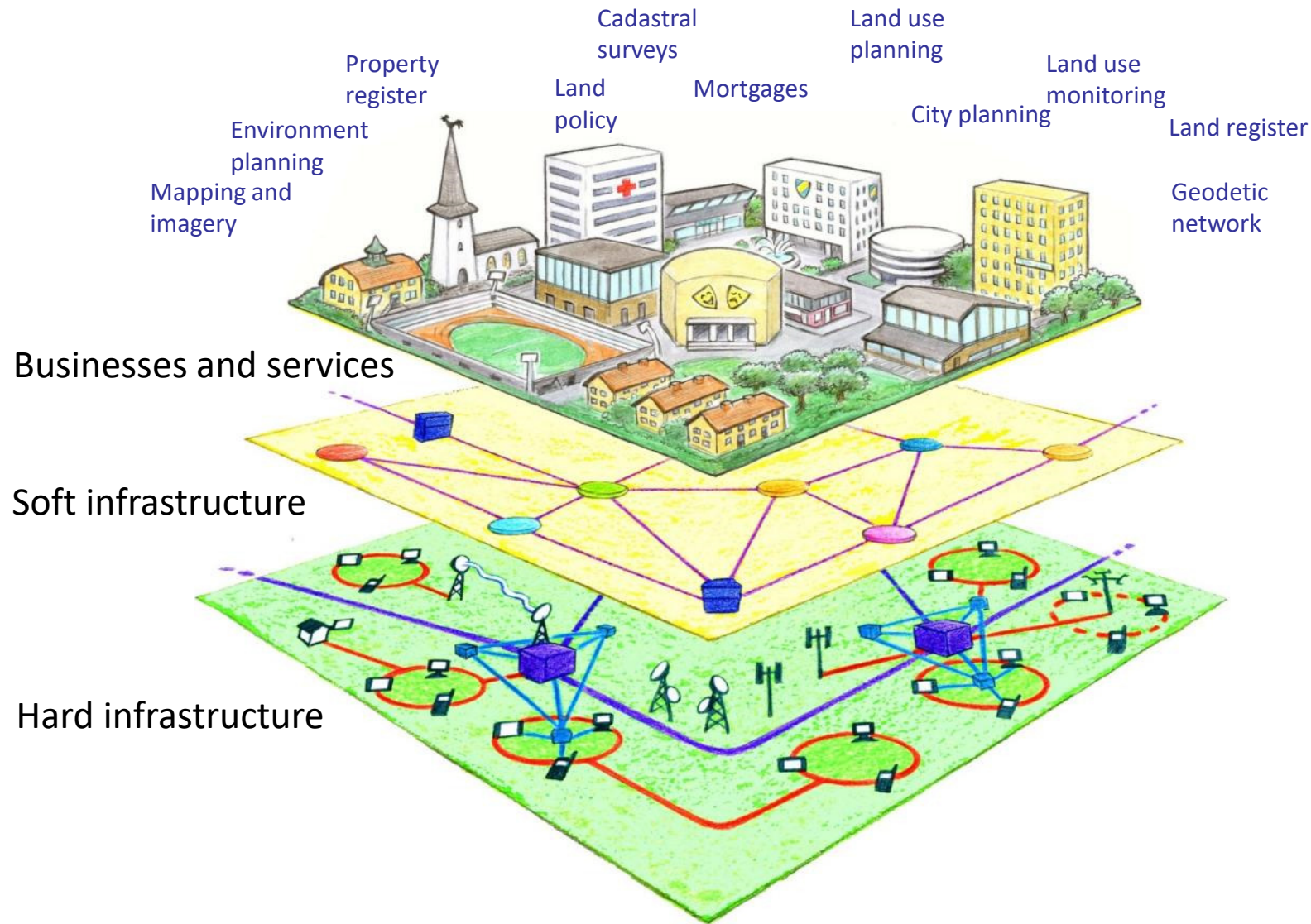
15.1 preserve and restore inland freshwater ecosystems



15.2 sustainable use of forests

A separate department is established within the agency responsible for issues on sustainable development and the fulfillment of the SDGs

Institutions (e.g. for land governance) constitute the glue of trust from which the society and individuals can grow



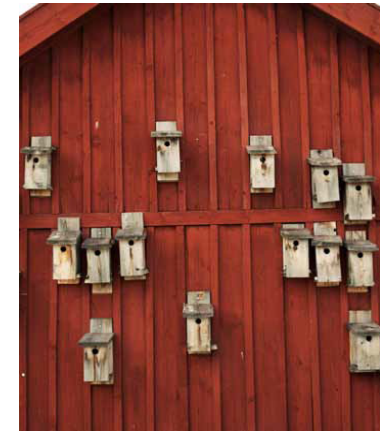
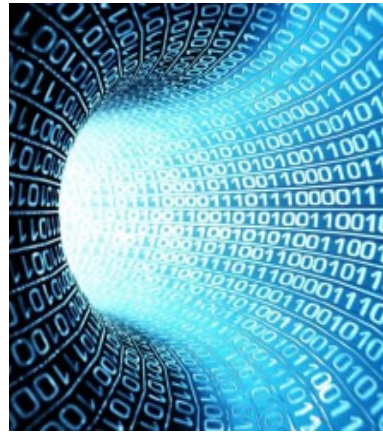
The Swedish government 2015: “Digitization is the single biggest change agent in our time and affects all aspects of society”



The bottleneck is not the tools but rather for us to formulate the problems and define what we want to achieve

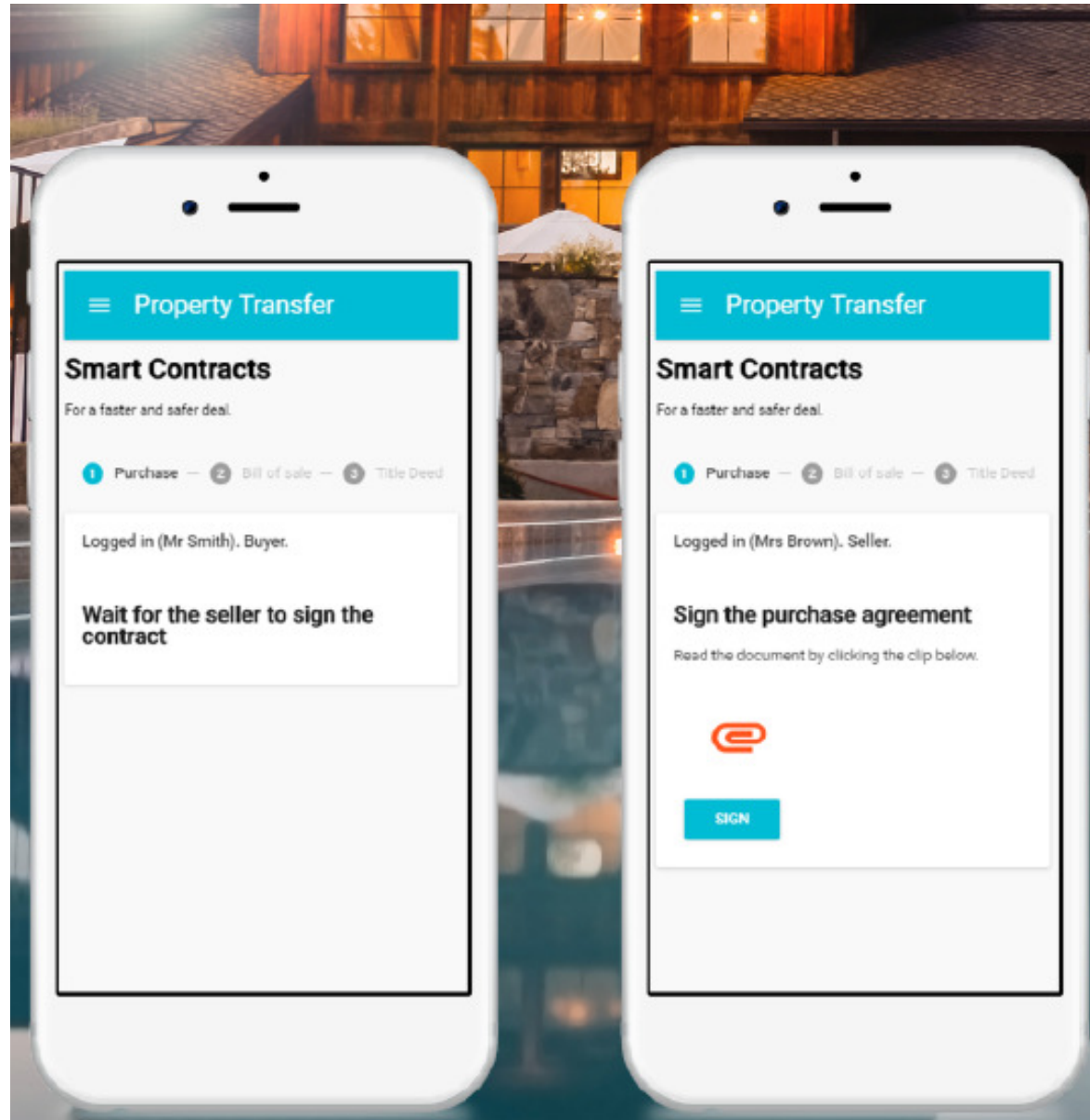
Global change agents

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



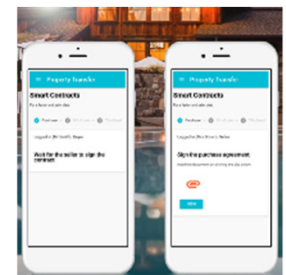
Define what we do,
how we do things and
what is possible to do

Client expectations



Client expectations

- Online citizens with access to location information
- Virtual knowledge and devices for record, store and index things we see and hear
- Mobile devices for locating boundaries and transactions
- People wants to be more self-reliant with access to right information to make sound judgements for themselves
- Land information needs to be available "on demand"
- Origin of information must be clearly defined (crowd sourced data vs authoritative data)
- RRR in 3D/4D and superimposed on the reality
- Urban vs rural – different demands on public services
- Legal and environmental information will increase – add pressure on land adm systems



Initial expectations vs perceived performance of the services

- Convey in a good way what services you provide, i.e. produce the right level of expectations
- Live up to these expectations in an equally good way
- Note: initial expectations can have even bigger impact on the final satisfaction level of the user than the actual perceived performance level of the services provided

Increased transparency and influence

[illegible]

Legislation has not changed, the diary page is mandatory in the property formation procedure



But transparency has increased, when property owners can follow the actions taken in real-time.

| Översikt | | Handlingar |
|----------------------------------|--|------------|
| Ärende AC16375 | | |
| Lantmätarens dagboksanteckningar | | |
| Datum | Anteckning | |
| 2016-07-07 | Ansökan inkommen. (Infört i dagboken 2016-07-08) | |
| 2016-07-07 | Överenskommelse om sammanläggning och klyvning | |
| 2016-07-07 | Följebrev till överenskommelse | |
| 2016-07-08 | Bekräftelse skickad till Peggy Stenmark och Somdee Stenmark | |
| 2016-09-12 | Behörighetskontroll, ok. | |
| 2016-09-12 | Samtliga fastigheter är fria från penninginteckningar. | |
| 2016-09-23 | Beställt avtalsservitut | |
| 2017-03-09 | Ärendansvarig utsedd, förrättningslantmätare (film) Mattias Vilhelmsson | |
| 2017-03-09 | Telefonkontakt med Tomas Lundmark som ska företräda sakämnarna vid förrättning | |

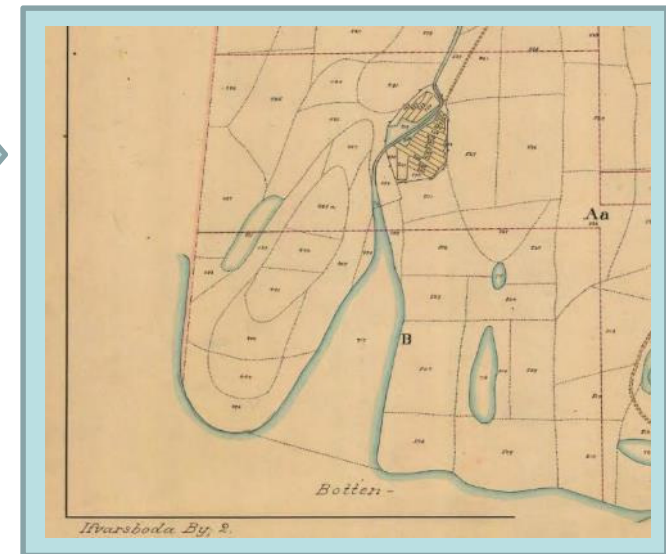
Changing the balance of power



Expectations and quality

The Swedish cadastre – a rough timeline

| | |
|--------------|--|
| ~ 1850 -1900 | A period of great land reform (<i>laga skifte</i>) |
| ~ 1960 | Cadastral index maps were completed |
| ~ 2000 | Cadastral index maps were digitized |
| ~ 2010 | The digital cadastre maps became widely available |



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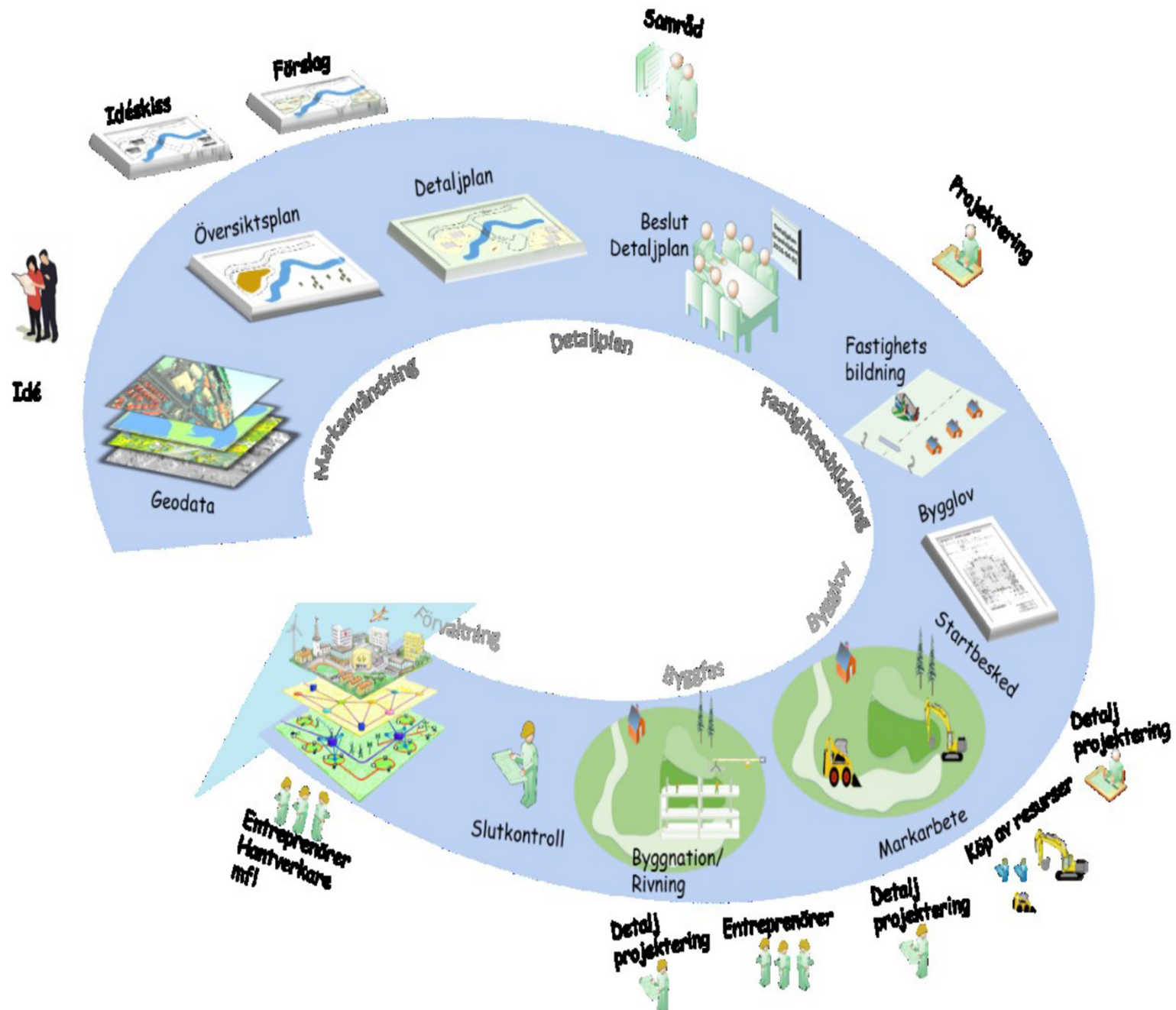
Expectations and quality



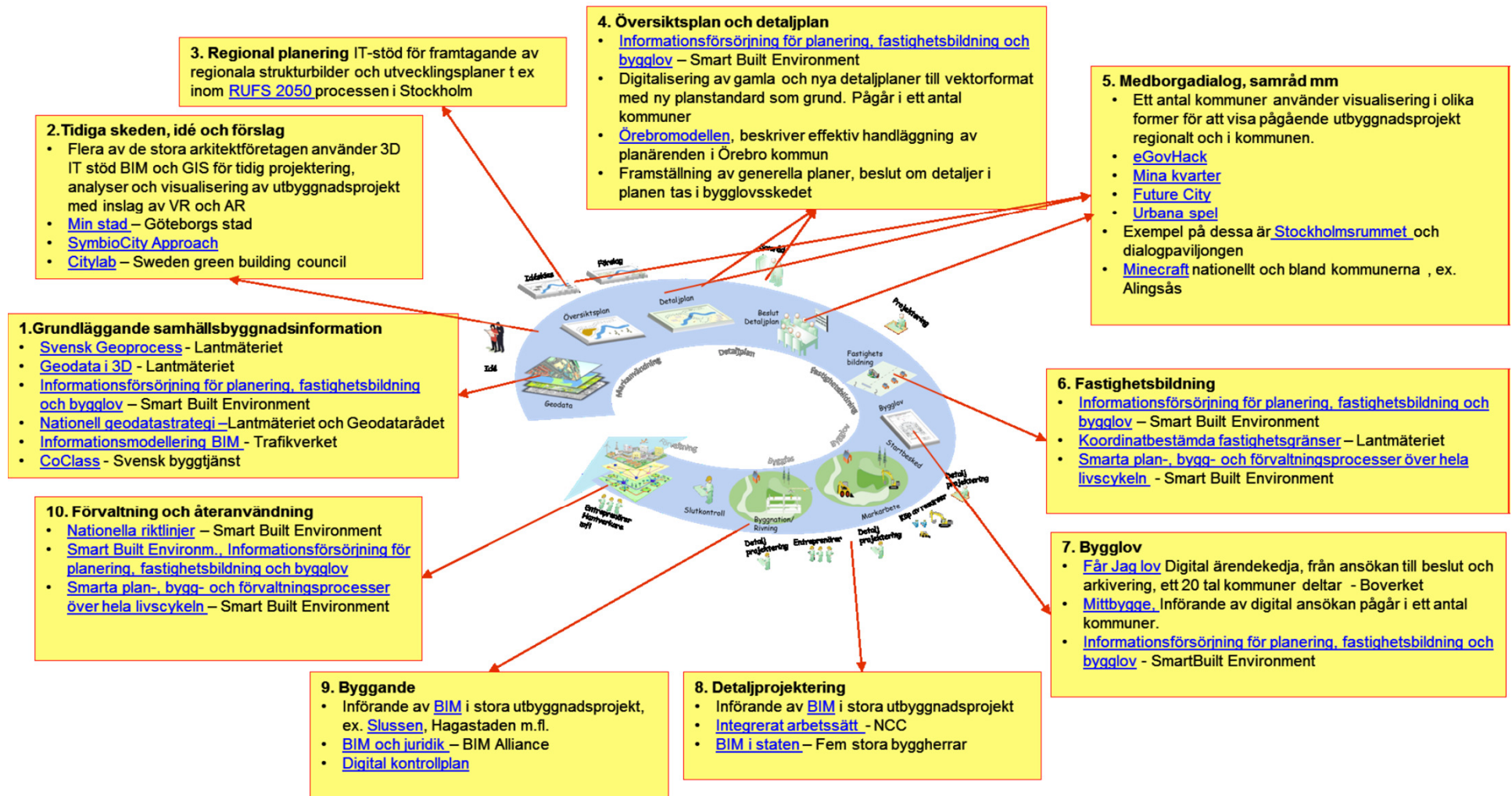
There is a continuing change process between land agencies and the market, new business models occur and we need to adapt to that and make clear our responsibility



Digitization of the planning and building process



Fragmented initiatives



Are the authorities needed?

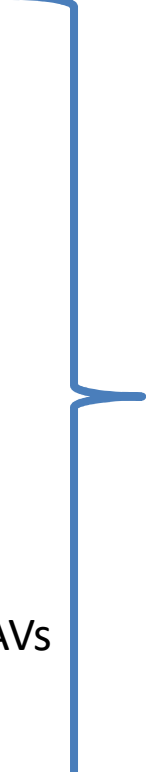
Yes as

Experts
Facilitators
Communicators
Problem-solvers

...and to a less extent handling of cases

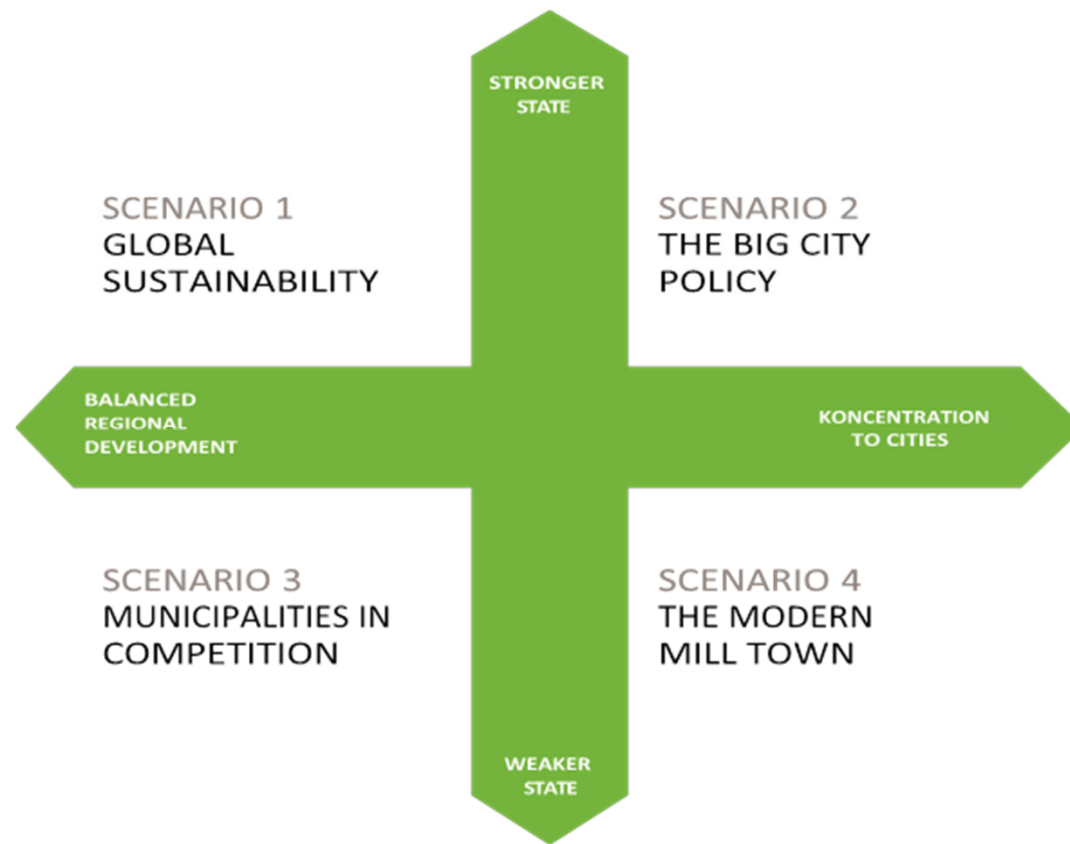
...and it will go faster than we think!

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



Agile organisation

Provide the organisation with opportunities and prerequisites 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

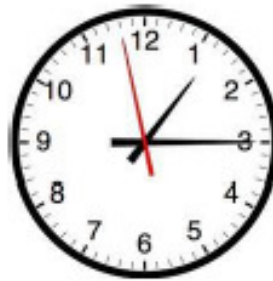
- 24 hrs Hackathon, internal innovation day



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

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 and innovation

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!



FUTURE 10

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