

*Presented at the FIG Congress 2018,  
May 6-11, 2018 in Istanbul, Turkey*

# THE POSSIBILITIES OF ROBOTISATION AND AUTOMATED DECISION MAKING

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# AI, TERMS

## Algorithm

- Detailed description or instruction on how a task or process is carried out

## Artificial Intelligence

- Activity carried out by a machine, which if done by human being would be intelligent
  - Weak AI can solve a single task
  - Strong AI solves a wide range of different tasks

## Machine Learning

- The Machine has not been given a rule for every single situation but it learns autonomously from provided data

# AI IN FINLAND

- It is believed that AI can increase GDP by 10 %.
- Only every fourth company has a strategy to exploit data.
- 60 % of companies have tested AI in one way or another.
- AI is most typically used in support functions like financial management.
- Banks, insurance companies and tele operators use robotics to improve efficiency.
- In Public Administration the Social Insurance Institution, Tax Administration, Transport Safety Agency, and Finnish Government Shared Services Centre for Finance and HR use automatic decision making.
- AI is not only a technical but also a societal, legislation, and an ethical issue.

# AI IN NLS FINLAND (1)

- We have started to prepare a Digi Strategy to help us meet the needs of the 2020's.
- The financial and HR services are provided by the Shared Services Centre.
- The biggest gains are to be gained in our production activities.

# AI IN NLS FINLAND (2)

- All production and administration digital
- Automated production processes
- Automatic interpretation of laser scanned point clouds or automatic generalization for the small scale map presentation are examples of existing processes

# AI IN NLS FINLAND (3)

- Testing of automated decision making in Land Register process
  - Automated decision making in mortgage registration
  - No deliberation but straight forward if/then deduction → ok/not ok result
- Aim is to also model title registration process in a similar way in 2019
- AI could also be used to assist in developing the existing processes
- For the time being most of this is in a planning phase

# NLS - PLANS AND IDEAS

Discussions if AI to could be introduced to the title registration process

- AI would read the deed documents and deduct if the title could be registered

For the time being

- AI is in the very early stages on the Gartner Hype Curve
- Emphasis is on finalising the existing development projects first

# SHOWING THE WAY

