Digitalisation of Justice – what does the future bring?

The Danish Court of Land Registration

Land Registration in Denmark 2021

- The whole world feels the pressure to automate and digitise now more than ever

- We began the digitisation process in september 2009 – and now in 2021 we are almost 100% digital, and have been since 2010.

- Now in 2021 up to 90 % of all cases are automatically handled – the system processes up til 2,5 million digital documents per year

- We have more than 200 automatic controles

- The question is always;

  Does the automation and standardisation exclude the legal review?

Automation versus the legal review

- Should land registration be a registration without any legal review?
	- Merely a registration of title from A to B?

- The Danish parliament did consider abolishing the review of registration of marriage contracts but in the end they presserved the legal review.

- When retaining the legal review one must find where the need for the review is greatest, and we found that was when:
	- there is a lot of text
	- they write and applicate something other than expected

What if the legal review is abolished or minimized?

- I imagine that in countries where the notary has a large place ind the land registry this will particularly affect the notaries.

- In Denmark the notary has almost no role in the Land Registration. This is because the basis of the registration system is the legal requirement for mandatory personal digital identification.

- In Denmark we anticipate that we will partially be taken over by robots to carry out the legal review
    - That means the legal staff will be reduced!

The Future - Robots

- The robots will in the future be able to recognize and compare information.

- An example:
  The robot asks "what does (legal) incapacitation mean"?

  Answer: "It means that you cannot act alone, you must act together with a guardian"

  The Robot remembers this the next time and can answer questions about this. The more answers it stores, the fewer questions it asks. Maybe the question will be instead "I intend to answer the following….will that be a correct answer?"

Robots

- The robots can be talking robots but they can also perform actual case processing.

- The Danish Court of Land Registration is looking at introducing robots in the future, and with that purpose we have looked at the financial sector which already uses robots, and we have learned that:
    - currently the robots are collecting information
    - the robots can read millions of pages in a few minutes
    - a human being is limited in the number of pages it can read at the same time
    - in a specific case in the financial sector it was estimated that 80 % of the legal department could be closed down

Other challenges that the future brings

- The personal digital identification in Denmark has been renewed.

- The former identification (NEM-id) is replaced by a new (MIT-Id) personal digital identification containing 48 characters where the previous (NEM-id) only contained 18 characters.

- It will always be a matter of security and further development of systems that are more secure than the one before.

- If the system breaks down – in that case there is no alternative, a crash in the system makes the system inaccessible. Denmark has not had a significant crash since the introduction of the Danish Digital Landregistration in 2009.

The near future for the Danish Land Registration

- Right now I work with two computer monitors, so I can have quite a few websites and systems open at the same time

- In the very near future I will have one extremely large computer monitor. This monitor will with the use of modeling and simulation enables me to interact with an artificial three-dimensional (3-D) visual that will enable me to move, erase and found rights over properties by my hand in a three-dimensional reality.

- Even my daughter will be envious.