

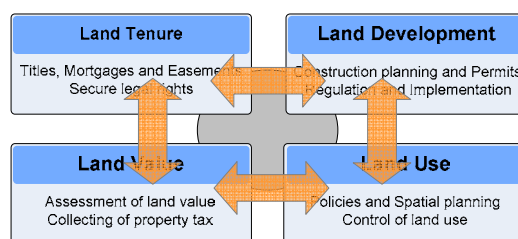
## Awareness

### – A Tool for Investigating Inter-Organizational Collaboration in Land Administration Systems?

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## Inter-organizational collaboration is demanded in land administration systems

- From a single-purpose to a multi-purpose perspective
- Spatially enabling of government
- Technology push and market pull

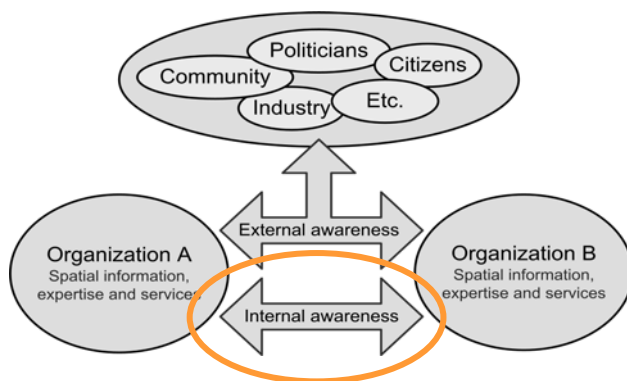


But barriers exist...

*”There exist just as many reasons for not engaging in inter-organizational collaboration, than for doing it”*

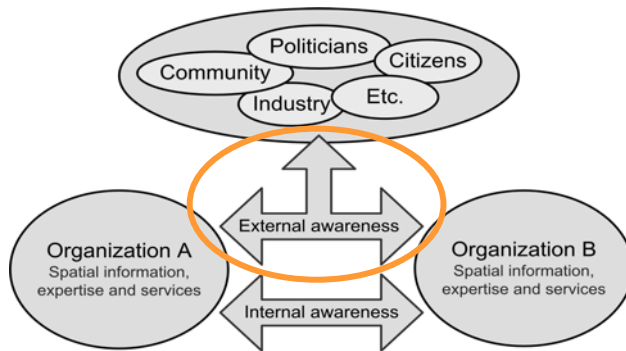


### Awareness as a foundation for inter-organizational collaboration



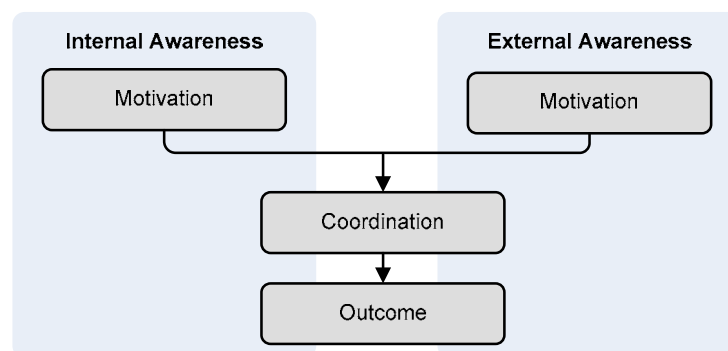
**Internal awareness** involves the phases of recognition that allows organizations to make sound decisions in solving problems or developing solutions regarding handling of spatial information, expertise and services between the organizations

## Awareness as a foundation for inter-organizational collaboration

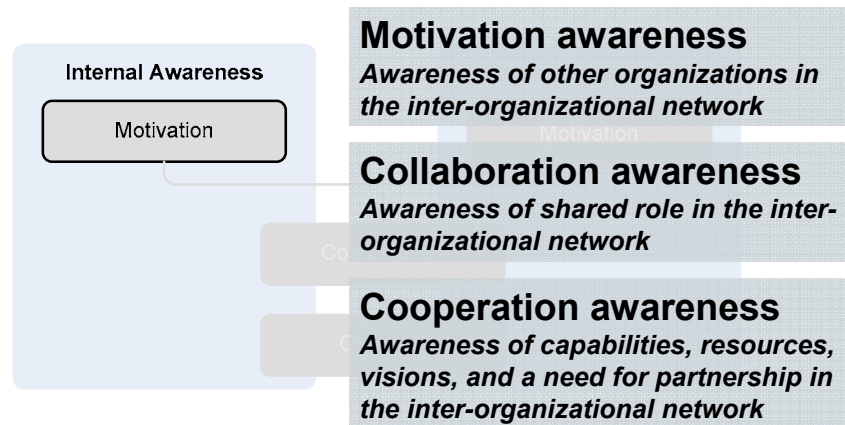


**External awareness** involves the phases of recognition that makes organizations recognize why and how they alone and together can make their spatial information, expertise and services available to society in order to support a social, economic and sustainable development.

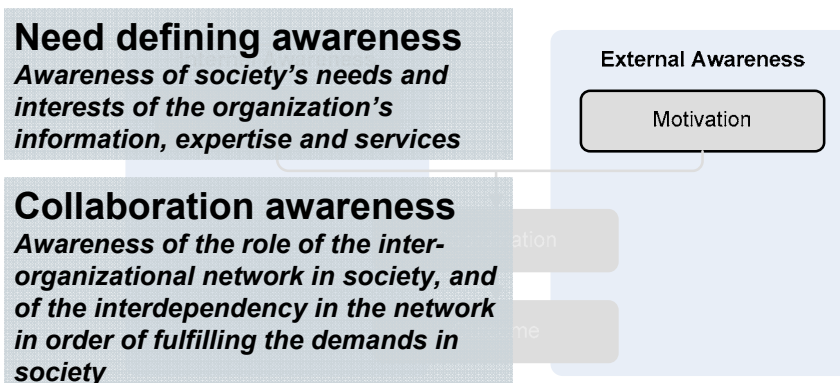
## Stages of awareness



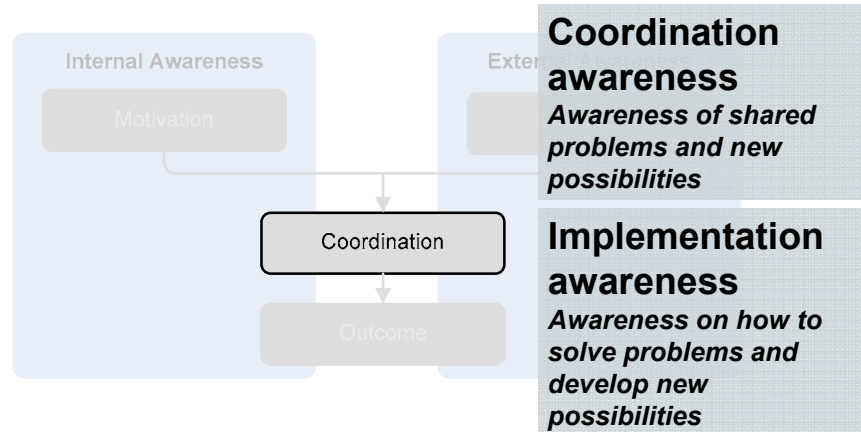
## Stages of awareness – Internal awareness



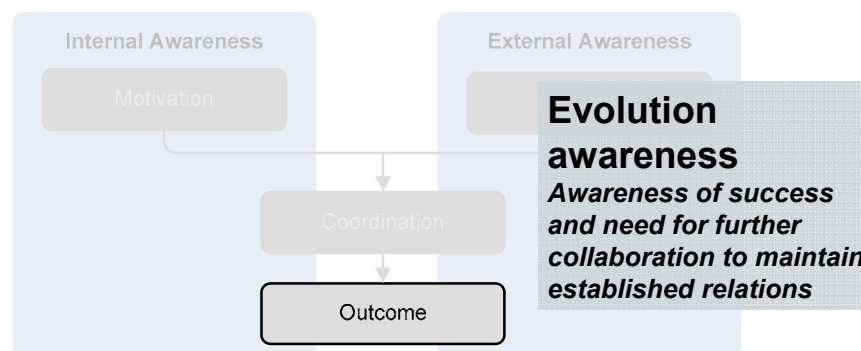
## Stages of awareness – External awareness



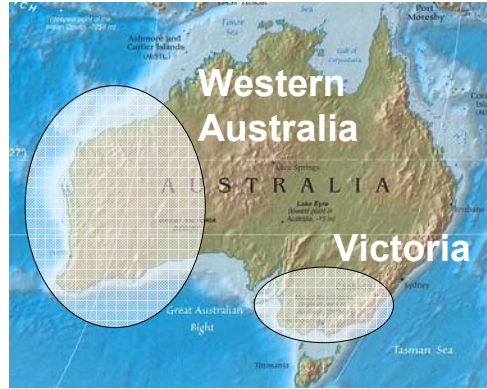
## Stages of awareness



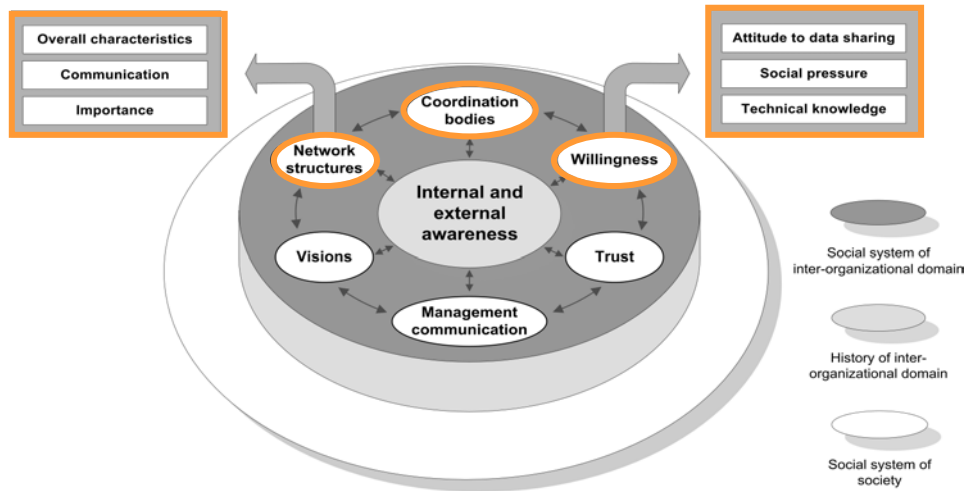
## Stages of awareness



## Four case studies on cadastral systems



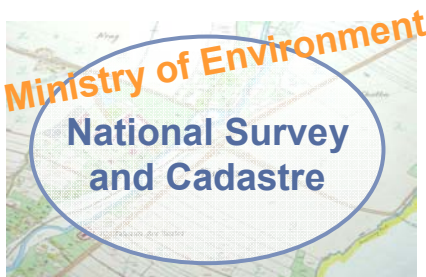
## Evaluation Factors



## Danish cadastral system as a case



## A separated cadastral system

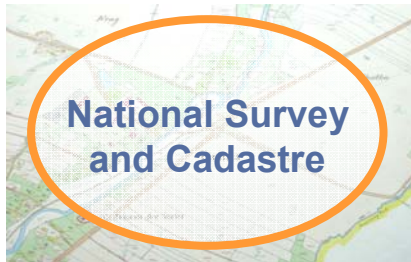


- Cadastral mapping



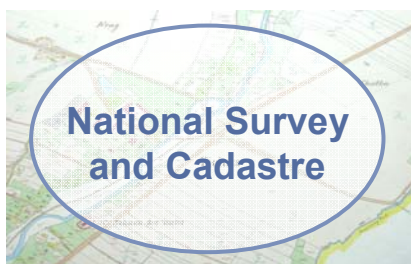
- Titles
- Mortgages
- Easements

## Denmark as a case



- High focus on other organizations and its own role and position in society (coordinator for SDI)
- Numerous links exist to the Court Administration
- Highly developed communication strategies
- High level of willingness to share data
- High level of technical knowledge

## Denmark as a case



- Other organizations not mentioned in strategies
- Only a few links exist to the National Survey and cadastre
- Individual courts call for collaborative constraints
- Limited willingness to share data (political constraints)
- Limited technical knowledge



## Case study results

External Awareness				
Overall step	Stages of awareness	Description	The National Survey and Cadastre	The Court Admin.
Motivation	Need defining awareness	Awareness of society's need and interest of the spatial information, expertise and services that the organizations in the cadastral system possess and/or can deliver	☒☒☒	☒☐☐
	Collaboration awareness	Awareness of the role of the cadastral system in society	☒☒☒	☒☐☐
	<i>Problem-setting</i>	Awareness of organizational interdependency in order to reach shared goals and visions	☒☒☒	☒☒☐
ration	Coordination awareness <i>Structuring</i>	Awareness of shared problems and/or new possibilities	☒☒☒	☒☒☐

## Conclusion

- **Awareness is an important foundation for inter-organizational collaboration in LAS**
- **Awareness can be separated into stages**
- **Awareness can be investigated through a number of associated factors**
- **It is not possible to measure awareness precisely**
- **Instead, the methodology provides a helpful tool in pointing out general collaborative problems in inter-organizational relationships in LAS**

**Thank you for your attention**

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