

## Linking Top-down and Bottom-up Scenarios

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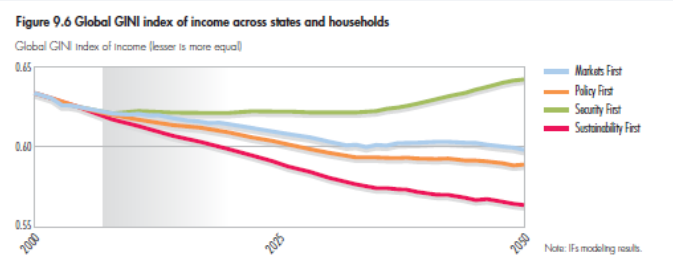
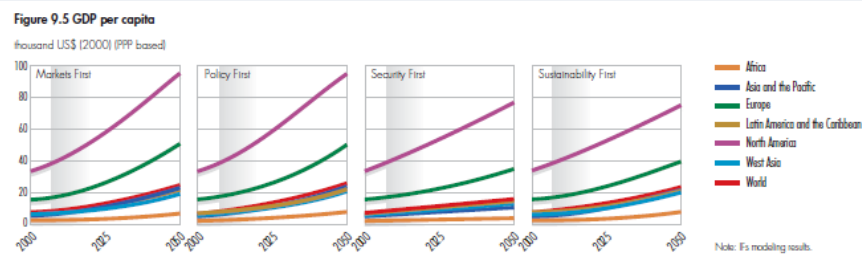
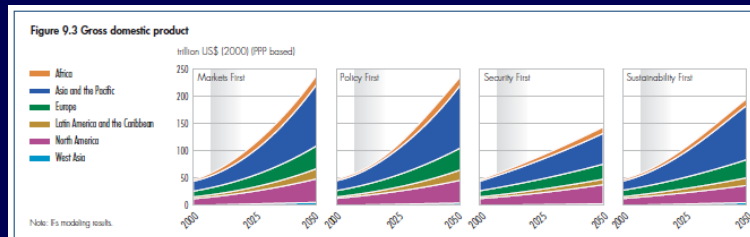
## Basic Linkage Questions

- What is going to be linked. Storylines, drivers, quantitative assumptions?
- What is BU: Regional/National economic model, sectoral model, hot spot assessment for extreme event?
- What is the impact of global or regional TD assumptions on the development in countries or smaller geographical areas?
- Which models can downscale economic development over centuries?
- Why are we not instead upscaling from BU to TD?



## SSP and Global IAM's have Methodological Problems that can be Magnified with BU link

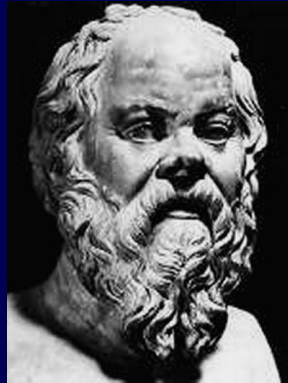
- Details versus time frame
- Baseline definitions and the integration of climate change policies (e.g. Danish 100 % renewable energy case)
- National or sectoral studies have a shorter time horizon and more details on policy options
- Adaptation studies are very context specific
- How to represent "softer" issues like governance, and are these following international trends?

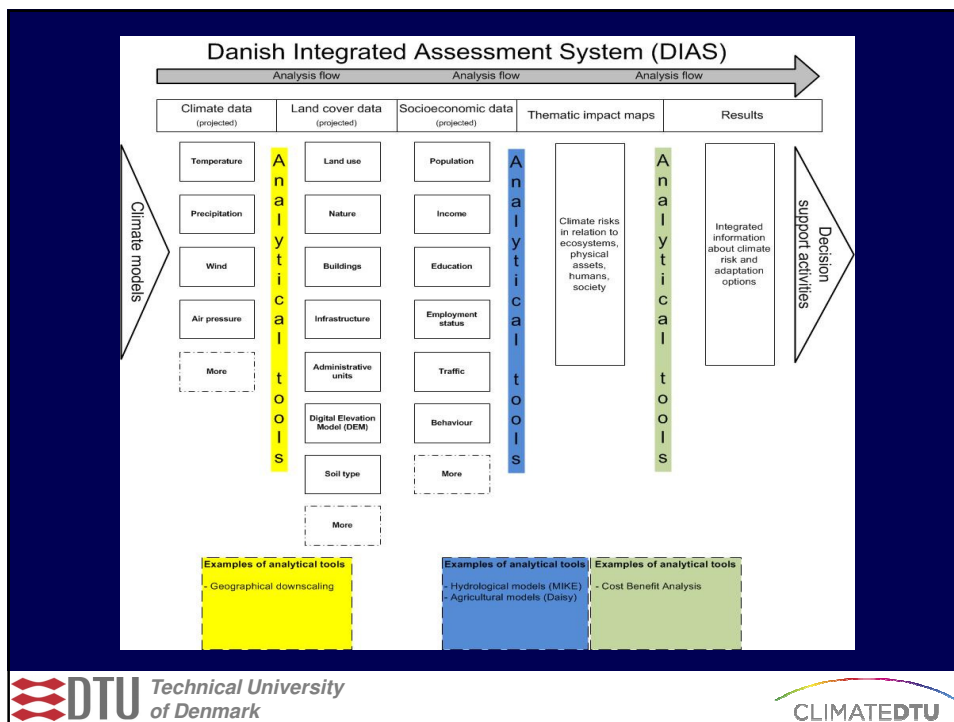
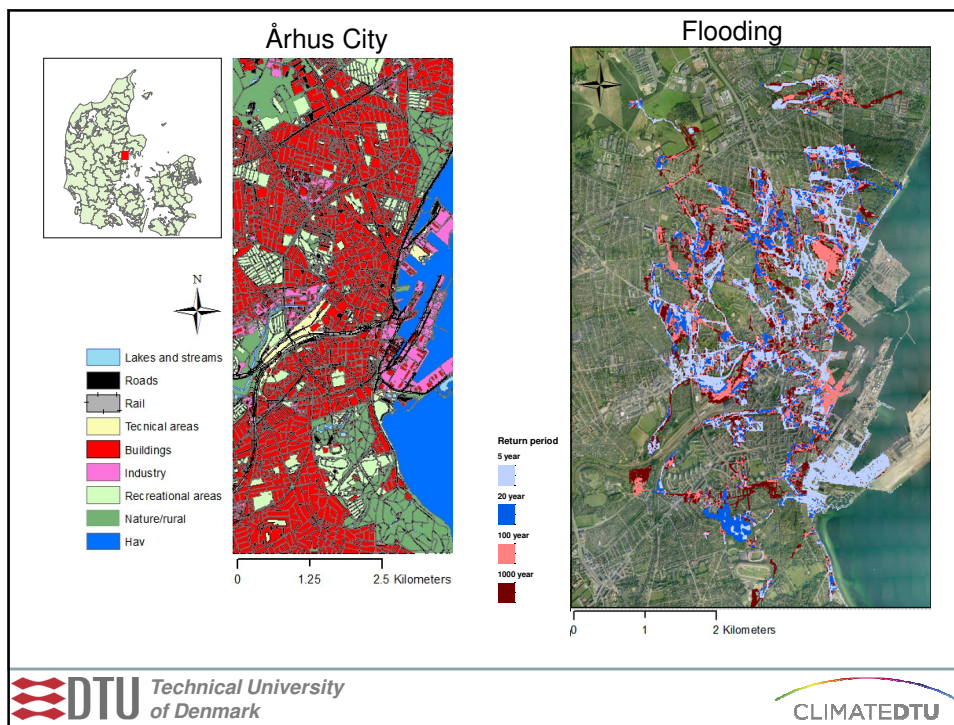


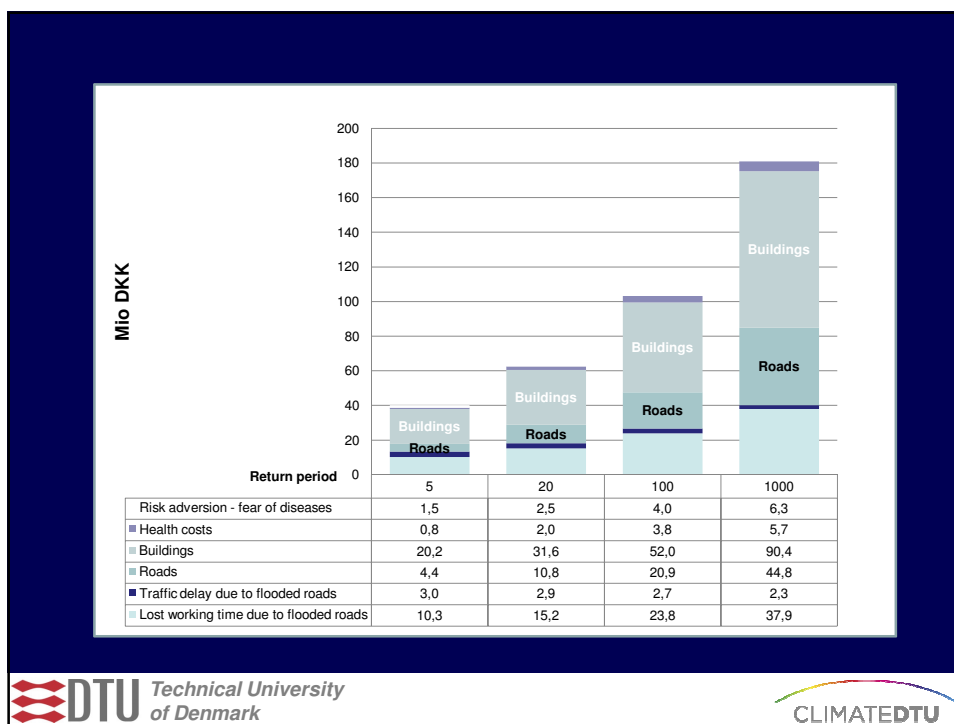
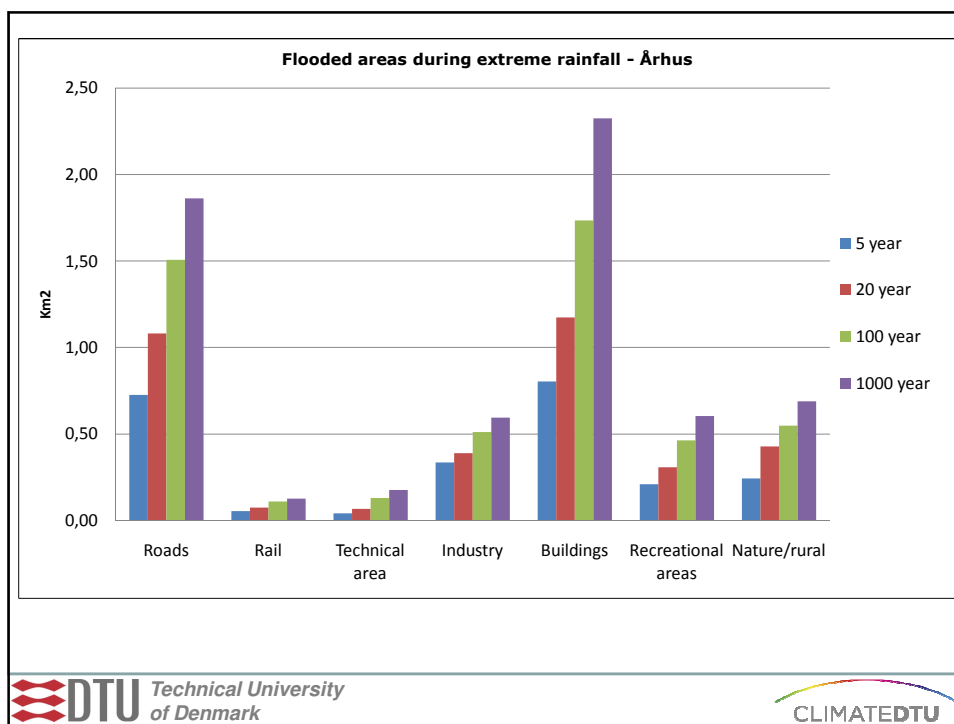
## Basic SSP's for Experiments – Generated Demands

- More detailed consumption patterns, coverage, diet, income distribution, development policies
- Special issues for decision makers e.g. narratives
- Scenarios with sub-optimality (second best)

Framework document p. 26









## Priorities

Vor Frue Kirke: Oldest existing stone crypt in Scandinavia, 1060



Wiking museum



Århus Cathedral

Frescos  
1300-1500

Baroque organ

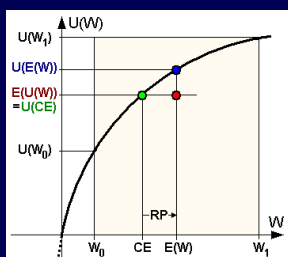


Kindergarden

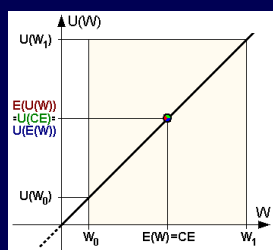


## Risk Aversion Factor

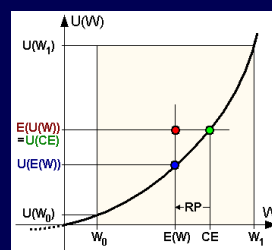
- Index value that reflects a risk aversion factor
- Different factors are applied to different damage elements or applied in general to the whole function
- To be estimated in the local context



Risk Averse



Risk Neutral



Risk Affine

## Policy Relevant Issues for Urban Adaptation

- How will different City development trends influence climate risks and adaptation:
  - Water in the city
  - Green areas
  - Transportation and other infrastructure
  - Population and income distribution
  - Lifestyles
- Interactions with climate change mitigation and sustainable development goals
- How to predict urban development trends including governance and business models

## How Uniform are Global Trends



