

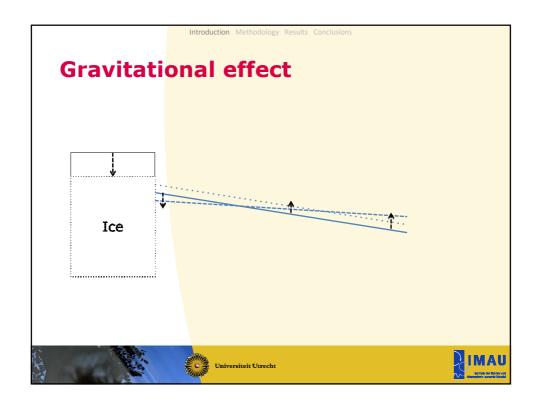
Introduction Methodology Results Conclusions

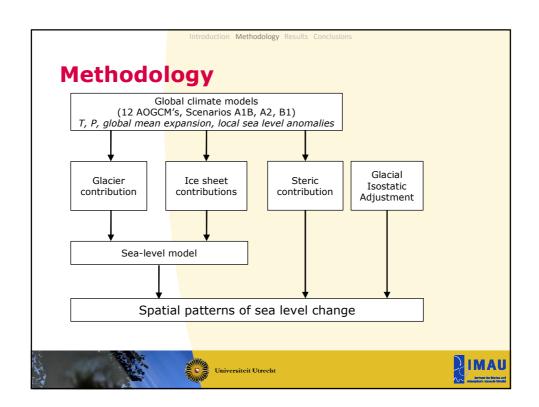
## Introduction

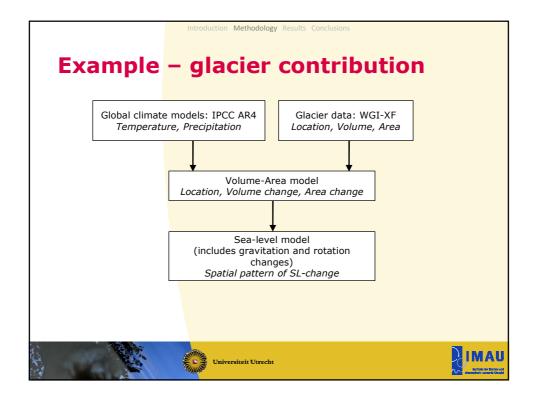
- Sea-level change is not a uniform process
- Causes of regional variability:
  - Steric variations (temperature and salinity changes)
  - Ocean dynamics (circulation changes)
  - Gravitational effects (land ice mass changes)
  - Glacial Isostatic Adjustment (GIA)











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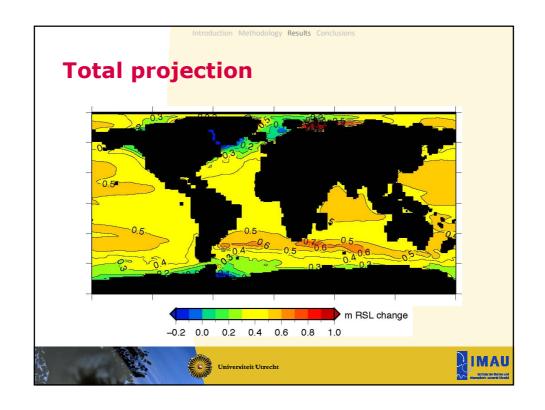
## **Global mean**

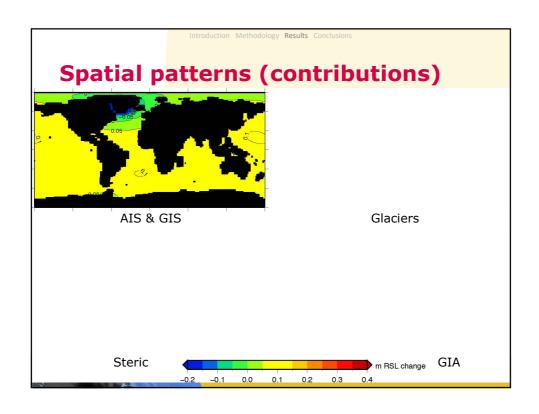
All results shown are IPCC SRES scenario A1B

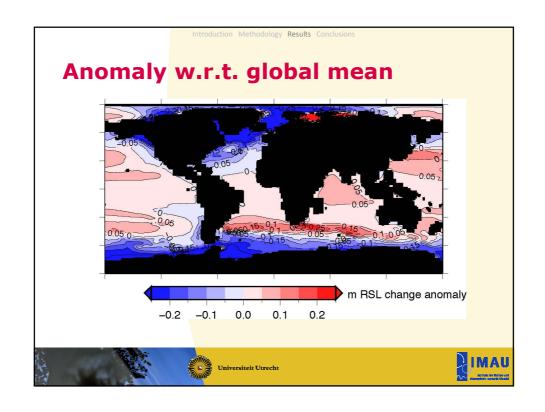
Contribution	Ensemble mean global mean sea-level change (m ± 1 sigma)
Steric	0.21 ± 0.09
Glaciers	0.17 ± 0.04
Greenland ice sheet	0.08 ± 0.02
Antarctic ice sheet	0.01 ± 0.02
GIA	-0.004 ± 0.003
Total	0.46 ± 0.11

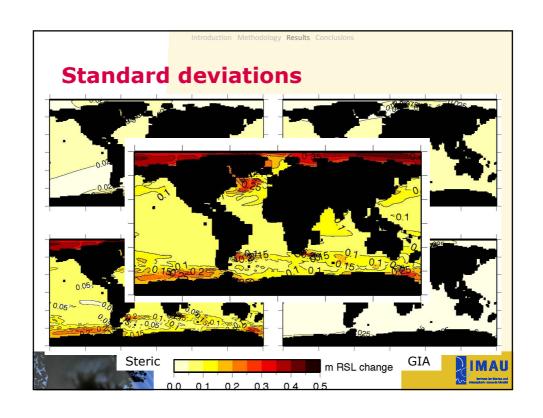


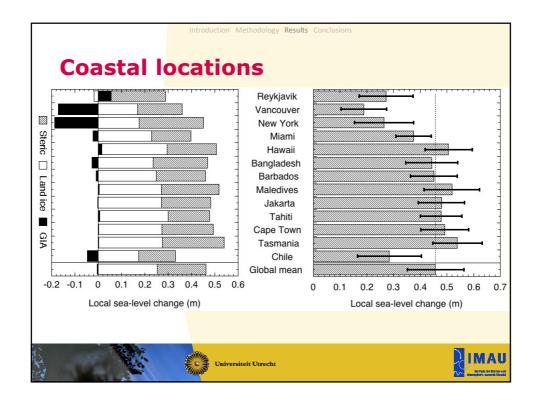












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## **Conclusions**

- Sea-level change is spatially highly variable
- Largest contributions:
  - Steric contribution
  - Land ice mass changes
- GIA not negligible, large in some locations
- Uncertainty dominated by steric contribution





