

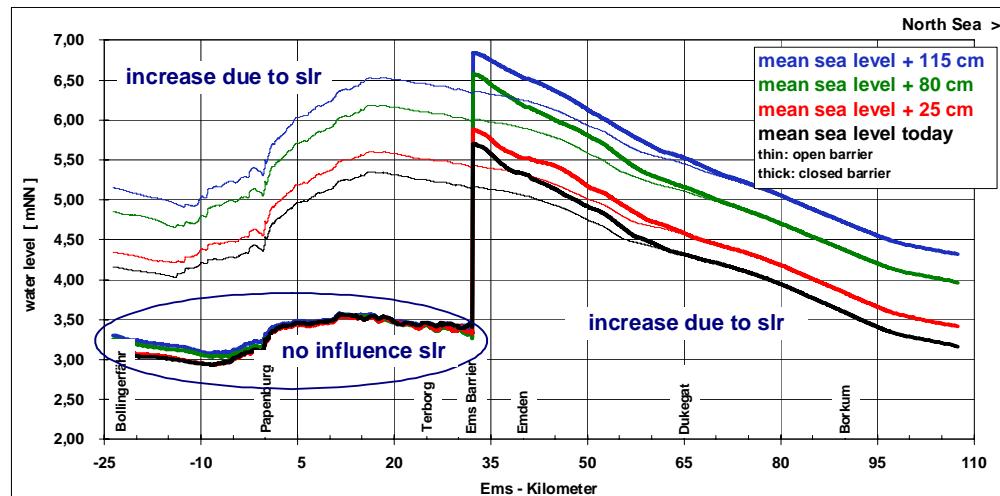
# Sensitivity Study of the Storm Surge of 1<sup>st</sup> November 2006 in the Ems Estuary

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# Sensitivity Study of the Storm Surge of 1<sup>st</sup> November 2006 in the Ems Estuary

- use 3D hydrodynamic - numerical model of the Ems Estuary,
- look at scenarios describing possible futures due to climate change, e.g.
  - open / closed storm surge barrier,
  - increase / decrease fresh water discharge Q,
  - sea level rise slr,
  - combinations,



- identify areas with changes in highest water level HW during storm surge,
- look for vulnerabilities and develop adaptation options.