Global atmosphere (NCEP / CMIP3 / CMIP5)

Regional atmosphere

Wind and SLP fields

North Sea model (TRIM-NP)
NE Atlantic and North Sea hydrodynamics
water levels

Astronomical tides

Selected events EH, EL and EC from the data set

Wind and SLP fields for EH, EL, EC

North Sea model (TRIM-NP)
NE Atlantic and North Sea hydrodynamics
water levels

Tidal shift +/- 6 h
Spring tide

German Bight model (UnTRIM2)
German Bight and Ems estuary hydrodynamics
water levels

Sea level rise
Runoff changes

Amplification of selected events