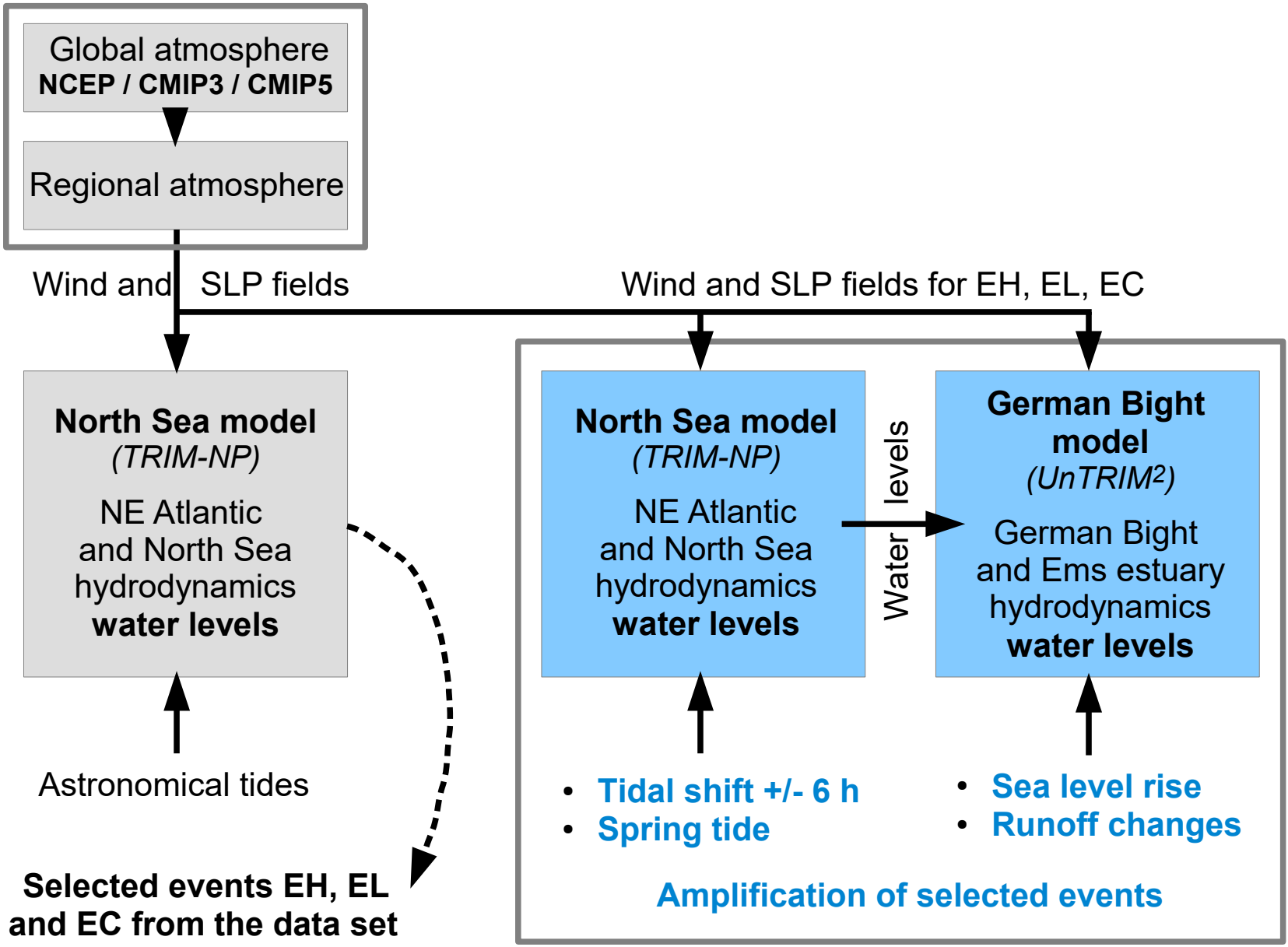
Global atmosphere
NCEP / CMIP3 / CMIP5
Regional atmosphere
Wind and SLP fields
Wind and SLP fields for EH, EL, EC
North Sea model
(TRIM-NP)
NE Atlantic
and North Sea
hydrodynamics
water levels
Astronomical tides
Selected events EH, EL
and EC from the data set
North Sea model
(TRIM-NP)
NE Atlantic
and North Sea
hydrodynamics
water levels
Water levels
German Bight
model
(UnTRIM2)
German Bight
and Ems estuary
hydrodynamics
water levels
• Tidal shift +/- 6 h
• Spring tide
• Sea level rise
• Runoff changes
Amplification of selected events