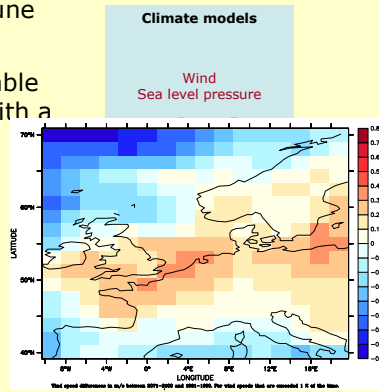


ESCALATE

Extreme Storms and Coastal evolution under AccelerATED sea level rise

- Impact of global climate change on dune erosion
- Use of the 17 Member Essence Ensemble make it possible to determine events with a high return period
- Operative surge and wave model
- Preliminary results show a small increase in wind speeds that are exceeded 1 % of the time
- Storm surge levels are expected not to change (see Sterl)
- NEDWAM wave calculations almost finished



Renske de Winter ^{1,2}, Nanne Weber ^{1,2}, Gerben Ruessink¹, Andreas Sterl ², Hans de Vries ²

¹) Utrecht University, ²) Royal Netherlands Meteorological Institute (KNMI) De Bilt (winter@knmi.nl)

