EXAMPLES OF EVENTS
THAT CAN AFFECT PORTS: $\quad$ sea level rise
river flooding
(2) storm surge 8 extreme temperatures (9 sedimentation

3 saltwater intrusion
(5) heavy rains 6 electrical storms
(1) reduced river flows (12) coastal erosion


These types of events can also hamper port access or cause accidents or disruptions that could limit port operations or result in higher costs.

The physical environment in the area around the port can also be altered by climate-related events.

Socioeconomic
impacts may include
displacement of local
populations or disrup
tion of livelihoods.

The natural habitat can also be affected, for example by changes in the distribution, growth and reproduction of species

Any and all of these impacts can result in higher costs and further affect other aspects of ports.

## - Breakwate

- Quay
- Yard
- Goods storage
- Equipmen
- Equipmen
- Buildings
- Electrical
- Drainage infrastucture
- Roads/pavement
- Railways
- Inland waterways
- Reduced
navigability
- Dredging
- Restrictions to vessel size
- Navigation conditions
- Berthing and mooring
- Loading and unloading activities
- Inland transport
beyond the port
- beyond the por
- Energy costs
- Energy costs
- More difficult
- Estuary area/shoreline
- River area/riverbanks
- Population (e.g.
displacement)
- Marine economic activity
- Inland economic activity
- Demand/trade/marke
- Social
- Fisheries and related
- Fisheries and
- Habitats
- Protected habitats
- Species (e.g. fish, birds)
- Protected species

Insurance cost or
availability

- Port reliability

Port reputation

NATURAL ENVIRONMENT

