

# Extremes– GCOS JPM Breakout Session

- There is a role for GCOS in monitoring frequency and intensity of extremes, but currently only partly covered (not discussed in 2015 GCOS status report)
- Examples of domain cross-cutting extremes:
  - Mangrove die-offs (compound event)
  - Urban heat waves
  - Monsoon onset
  - Hurricanes
  - Flooding (different causalities)
  - Drought
  - Health (vector-borne diseases etc.)
  - Marine heat waves
- GCOS can provide information to assess regional changes in extremes
- Intensities and frequencies of extremes are important to inform adaptation
- Observations needed to improve model skills to predict extremes

## Actions:

- > Task for panels: Discuss which ECVs are relevant and are the requirements fit to monitor, understand and predict extremes
- > AR6 chapter on extremes may currently not cover ocean extremes, clarify
- > Identify other groups that work(ed) on monitoring of extremes