How climate change impacts the safety of European aviation

(IPCC assessment report No 6)

- Storms & hurricanes
- Heatwaves
- Heavy precipitations
- Flooding, drought

- More frequent and stronger
- New areas and new timings
- More combinations

Increasing impact of other phenomena

- Clear air turbulence
- Airborne icing
- Wildlife behaviour

- More frequent and stronger
- New areas and new timings

Increasing exposure to hazards

- Severe turbulence
- Hail
- Heat
- Ice
- Lightning strike
- Sand & dust
- Water
- Extreme wind
- Wildfire
- Bird strike

Aircraft

ATM and aerodromes

- Operational safety
- Airworthiness

EASA and its Member States share competence in the EU over these domains

- Performance of safety services
- Workload of safety staff