

# CDS

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# What are the requirements on maturity and scientific quality

- A minimum of one data set per ECVs should be available and redundancy is desirable (e.g. Two data set)
- A certification process needed to establish quality from brokered data set
- Adequate documentation needs to be provided including a *Catalogue of best Practices*
- Maturity and quality should be user led
- Maturity and quality may change over time. A mechanism to enable and disseminate this, needs to be established.
- The knowledge and experience of national and regional climate service centres is vital.
- Projections need to be multi-model and judgement of experts documented

# What are the requirements on temporal and spatial scale

- CCCS needs to contribute to the understanding of the frequency (past, present, future) of harmful climate hazards.
- CDS needs to be able to provide data on a common grid
- Temporal scale <3hrs for extreme events for the current climate and also for projected climate
- CDS should provide a pan-European picture
- Products need consistent climatology
- The best that is possible, needs to be available all the time

# Attribution

- Attribution is complex and maybe only big events can be attributed – there is a clear need for more research
- Provision to rapidly describe current events
- Extreme care needs to be taken to have single communication channel

# NRT data set

- Re-analysis - NRT
  - Projections – few years
  - Seasonal – every month (or higher)
  - Observations – NRT to 1 month
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- Climate and seasonal outlooks for Europe