

CBR - database

1. Pre-FDA Activity

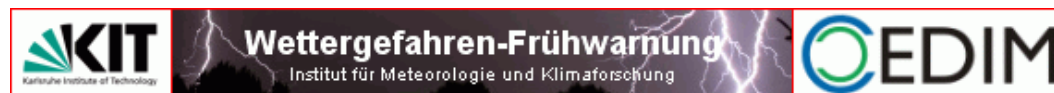
Forecast products of GFS model

- 4 times daily routine, 0 – 192 h
- World, 0.5 degrees, 3 h
- Maps, charts, tables, images, grib, grib2,...

Operational 24/7

ATMO

Metadata about historic
winterstorms (Germany)



Loss Estimation / probability of
winter storms in Germany
(ATMO)

Warnings –
(PRE) Alert (FDA)

Forecast data

- Flooding
- Transportation interruption (snow)

Further Data needs:

GFS Ensemble forecasts (probabilities (thresholds, affected areas...) **(in progress)**)

insurance loss data (buildings, Germany) of past storm events for evaluation and rapid loss estimation **(in progress)**

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ATMO
Metadata about
historic winterstorms
(Germany)

2. FDA Activity

Analysis / Forecast products

- realtime weather data / information and forecasts
- Disaster affected area, 0.5 degrees, 3 h, 0-192 h after disaster
- Maps, charts, tables, images, text,...

On demand



Realtime loss estimation of winter
storms in Germany (ATMO)

FDA Activity
Event manager
First reports

Analysis and Forecast data
➤ Flood models
➤ Transportation interruption (snow)

Further Data needs:

WRF – high resolution model (scientific aspect); detailed information, analysis, forecast (day -1 until day +3) **(in progress)**

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ATMO
Metadata about
historic winterstorms
(Germany)
Data of new event

3. Post FDA Activity

Post disaster evolution; models and data

- GFS / WRF models (global to local scale); scientific research
- Disaster affected area,
- Maps, charts, tables, images, text,...



On demand



Article



Realtime loss estimation of winter
storms in Germany (ATMO)
Verification



Post FDA Activity
Event manager
Reports / scientific papers

Further Data needs:

WRF – high resolution model (scientific aspect); detailed information, analysis, forecast (day -1 until day +3) (in progress)