23 October 2014: Europe - Severe weather

In the last few days, due to a low pressure system (previously Hurricane GONZALO, see inset map), strong winds, rain, storm surge and snow affected parts of Europe, causing damage, traffic disruption, power outages. Especially affected were parts of Ireland, United Kingdom, France, Belgium, the Netherlands, Germany and Denmark.

• One person was killed in the UK (in London) and two others in France (one in Aube, one in Bas-Rhin).
• In the UK, a storm surge of 1.5 m was measured in Liverpool (West England), on 21 Oct, 5.45 UTC, and 1.7 m in Lowestoft (East England) on 22 October, 1.30 UTC.
• In Germany, floods were reported in ‘Hamburg Fischmarkt’, in parts of Bremerhaven, as well as in other coastal areas. The max. storm surge observed was 2.7 m in Cuxhaven on 22 October, 5.17 UTC.
• In Austria and Switzerland, strong winds and snow caused traffic disruption and power outages.
• In Slovenia, heavy rains and winds also caused damage in the central part of the country.
• In Czech Republic, media reported flooded areas in southern-western parts of the country.

In the next 24 strong winds, rains and snow may still affect parts of central and eastern Europe. Orange and Red Alerts are in effect (see map).

The map shows the estimated JRC storm surge impact in the coastal areas.

Sources: JRC, ECMWF, MetOffice, COGIC, EUMETNET-MeteoAlarm, Media.

LEGEND:
- Red Alerts
- Orange Alerts
- Rain
- Thunderstorms
- Wind
- Snow / Ice
- Floods
- Coastal Events

Storm Surge Calculation (JRC, ECMWF data) Colour scheme adopted for the storm surge does not represent a corresponding risk, it is only indicative.

Calculation Observation

Storm Surge
- 0.5 - 1.0 m
- 1.0 - 2.0 m
- > 2.0 m

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