Risk management: Recommended decision matrix for meteorological risks



Levels (Low; Medium; High)

Criteria (Measurements; Forecast; Weather events; Danger signals)
& Description (Measurements: Forecast; Weather events; Danger signals)

| Risk | Measurements | Forecast | Weather events | Danger signals |
|--------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Level | | | | |
| High | ス Different from Observation | ☐ Frequent differences to past measurements | 区 Wind > 6 Beaufort | □ Rapid drop in pressure (QLM) |
| | □ Data missing | 区 Data missing | ☐ Thunderstorms | に Hazy, low visibility |
| | Rapid changes within last days | Rapid changes during next days | ☐ Temperature <-5°C, >30°C | |
| | | | □ Swell > 4 m | ス Icebergs |
| | | | | ☐ Warnings from official meteorology services |
| | | | | meteorology services |
| Medium | Inconsistent with Observation Data are incomplete Some changes within last days | Inconsistent with Observation Data are incomplete Some changes within last days | ◆ Wind = 4 to 6 Beaufort ◆ Cloud cover ◆ -5°C> Temperature <30°C, ◆ Swell 1-4 m | Change in pressure (QLM) Visibility <10 miles Wind direction against swell or tide |
| | | | | |
| Low | ☼ Consistent with Observation☼ Data are complete | | ☼ Wind < 4 Beaufort☼ Clear skies | ☼ No change in pressure (<2 hPa/day) ☼ Visibility >10 miles |
| | ☆ Few changes within last days | Few changes within next days | ☼ Temperature 0-25°C☼ Swell < 1 m | ☼ Wind direction same as swell or tide |
| | | | | |

Notes: 1) Convergence: similarity of different forecast (weather models, calculation runs); low convergence = large differences; high convergence = small difference.

Risk management: Recommended reactions for meteorological risks

meteoblue[®]

Levels (Low; Medium; High)

Criteria (Business value =; High; Medium; Low)
& Description (Business value =: High; Medium; Low)

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Notes: 1) Convergence: similarity of different forecast (runs); low convergence = large differences; high convergence = small difference.

²) Plan: a contingency for (quick) reaction in case the situation changes (gets worse).

³) Escalation plan: contingency measures in place in case the situation changes (gets worse).