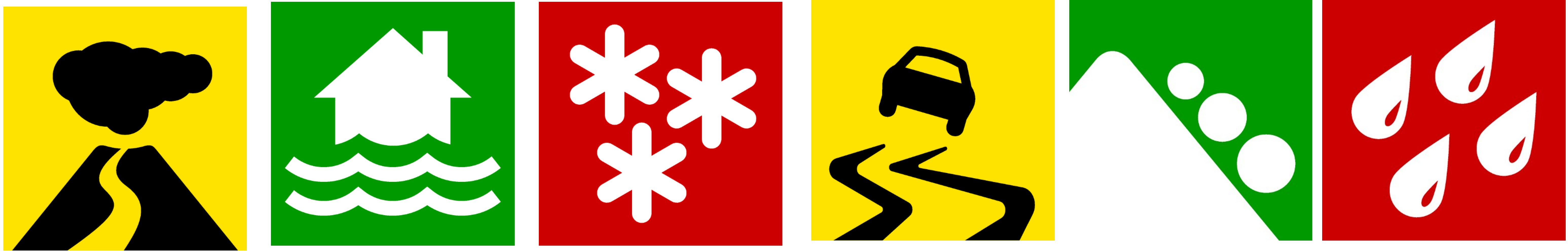


An impact based warning system for 1-5 day weather warnings

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Introduction

- A new impact based warning system has been developed at IMO
- System is a CAP (Common Alerting Protocol) system
- IMO, in cooperation with the Icelandic Civil Protection Authorities, Icelandic Road and Coastal Administration and other stakeholders will be able to issue a single message containing all relevant information
- The system is set to start as a weather warning system, but will soon include other disciplines IMO monitors and warns for, such as hydrological warnings, volcanic- and seismic hazard warnings as well as avalanche warnings.

Thresholds and warnings

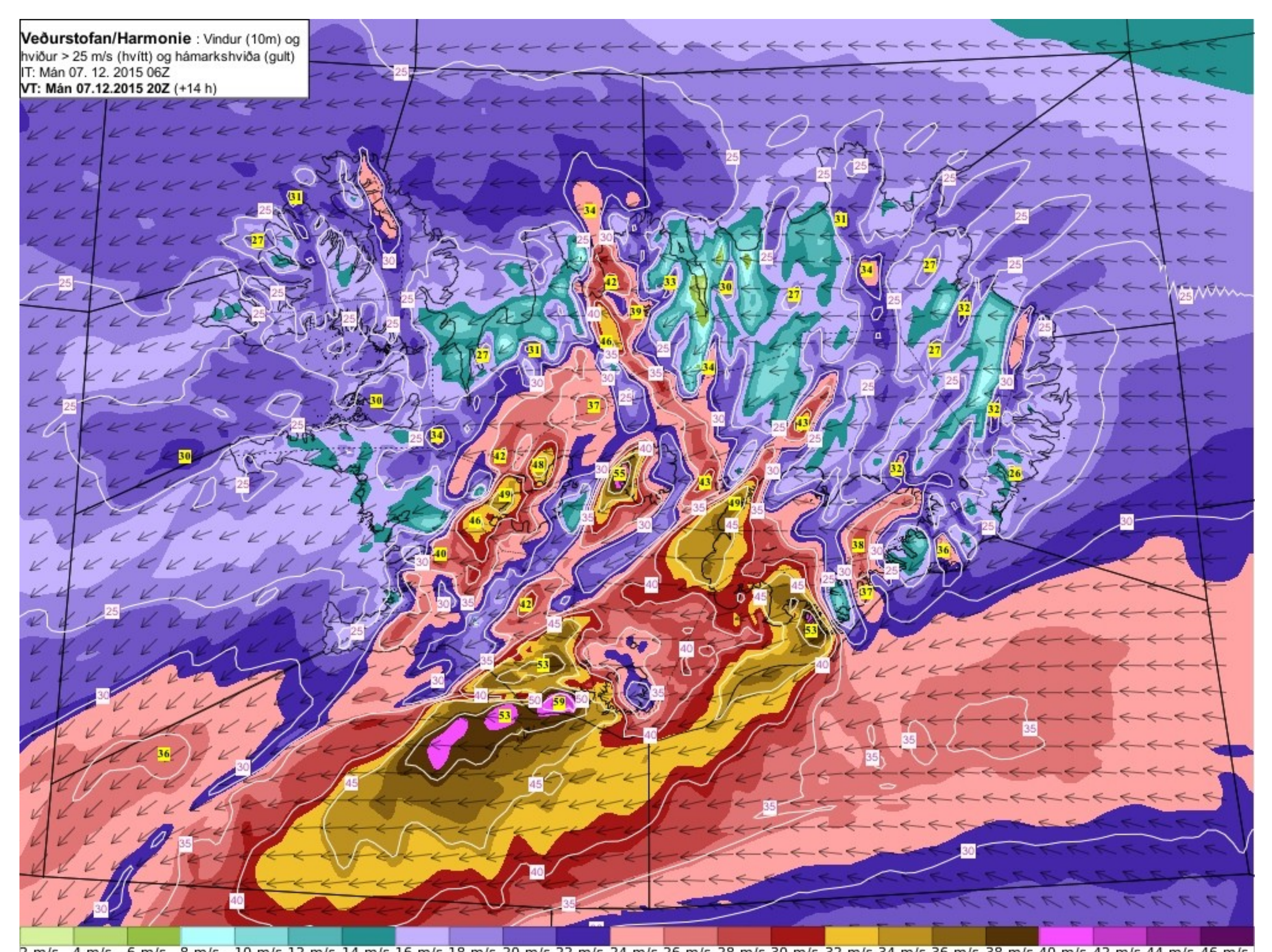
- Warnings will be assigned colors based on severity and certainty of events
- Other parameters such as urgency and action will play an impact but IMO will not issue those, unless in cooperation with Civil Protection Authorities
- Current thresholds for weather warnings are single thresholds for the whole country
- New thresholds are being developed, those consider different tolerance of different forecast areas as well as population density, or even tourist density

Recent events

- Recent severe events have encouraged a new warning system
- Increased tourism and winter tourism especially reveals new challenges in getting messages across to travelers of many nationalities
- By implementing a system with color coded system as well as CAP standards simplifies the process of issuing warnings while including all the necessary information for stakeholders



A prototype of how the warning for December 7th 2015 could have been



A Harmonie forecast map from December 7th 2015