
CAP-alerts 2017-2018

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IMO

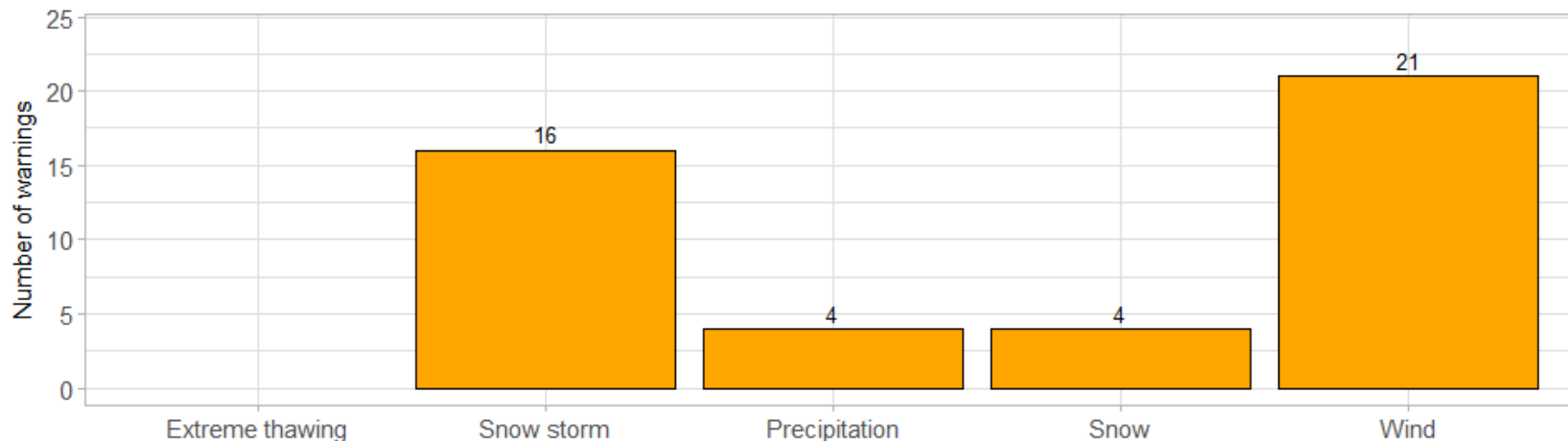
CAP alerts issued in Iceland during the winter 2017-2018

Summary

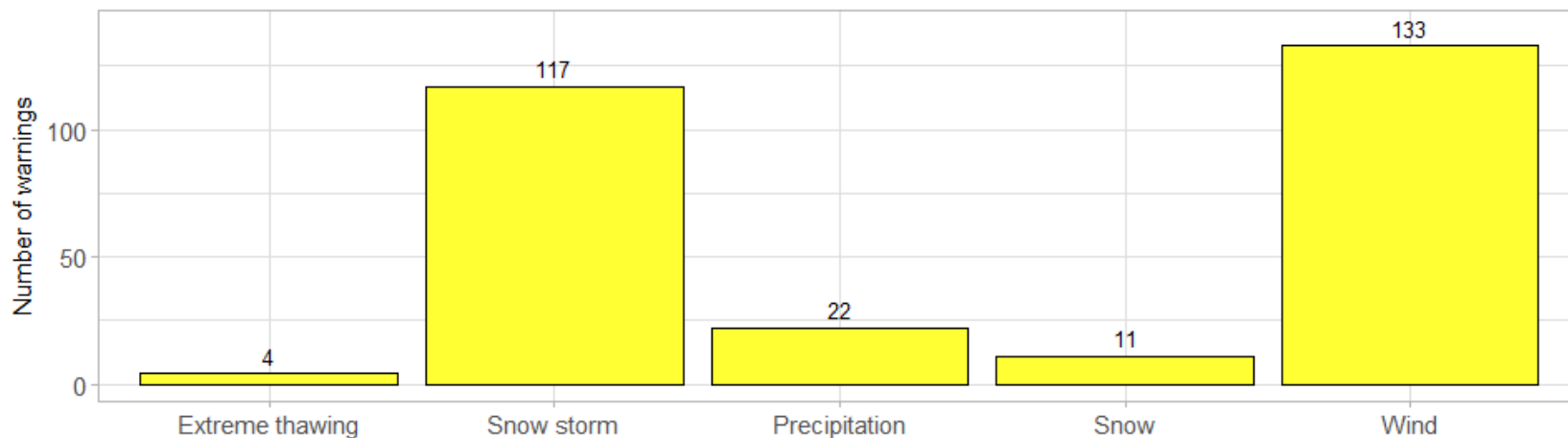
- ❖ Amount and frequency
- ❖ Distribution by type and forecast area
- ❖ The relationship between alerts and weather parameters
- ❖ Learning curve
- ❖ Ideas for further development

Alerts issued in Iceland during the winter 2017-2018

Total number of amber alerts = 45

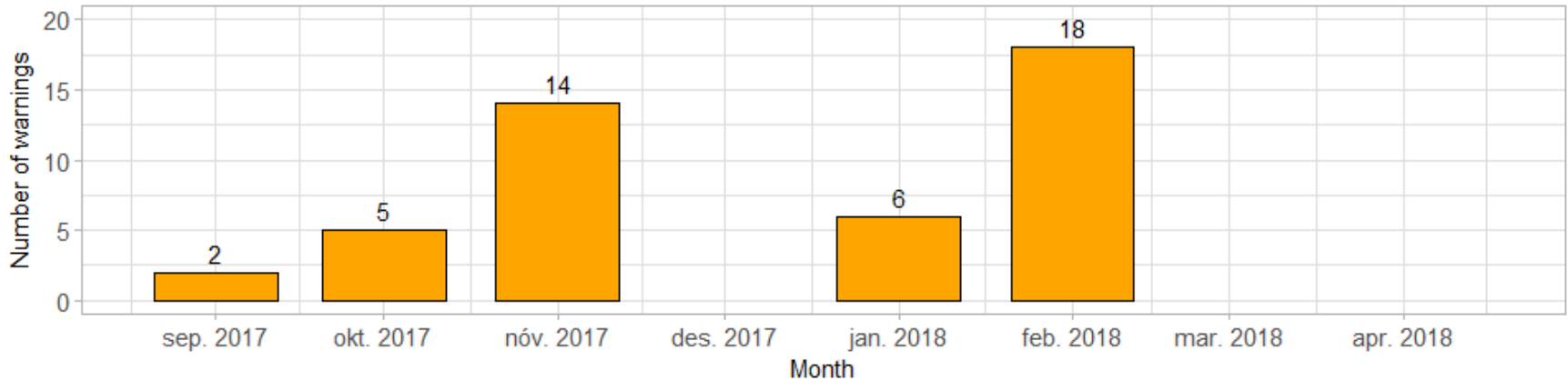


Total number of yellow alerts = 287

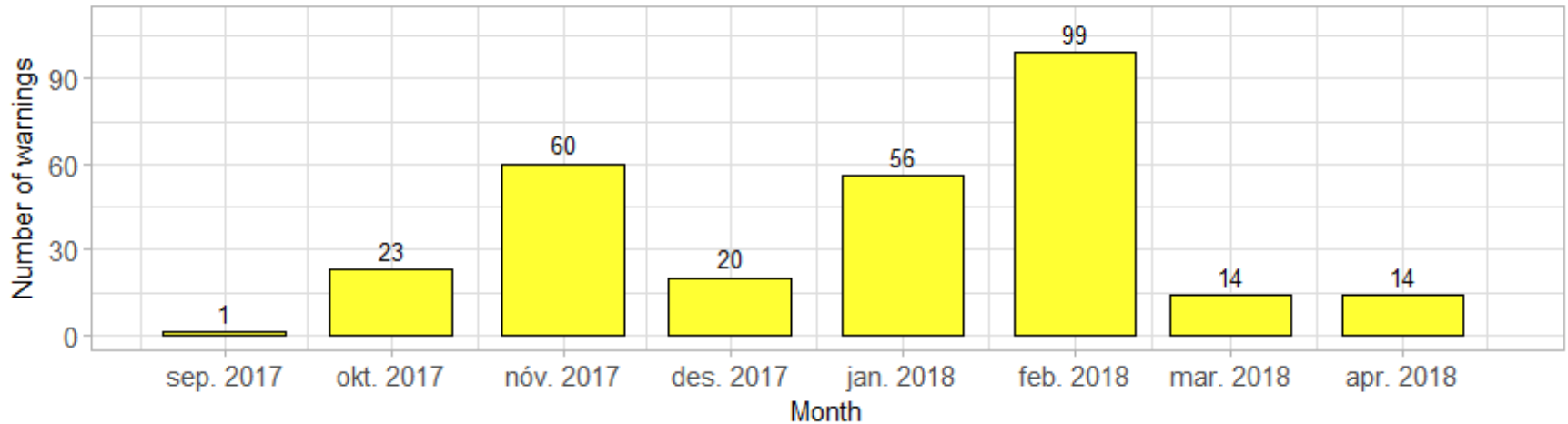


Alerts issued month by month

Total number of amber alerts = 45

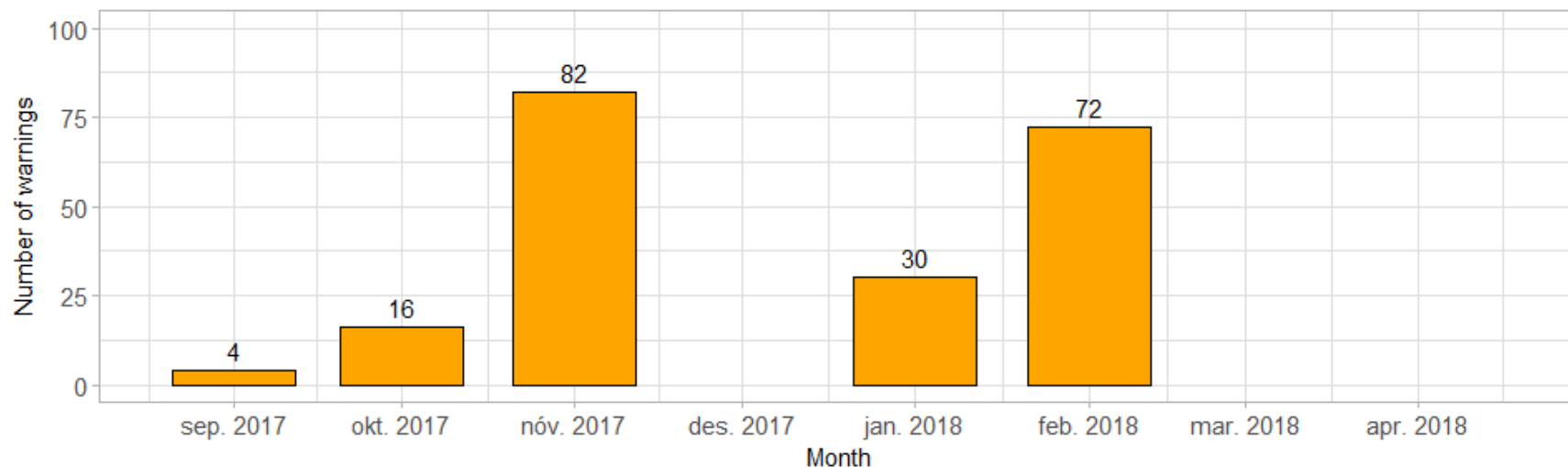


Total number of yellow alerts = 287

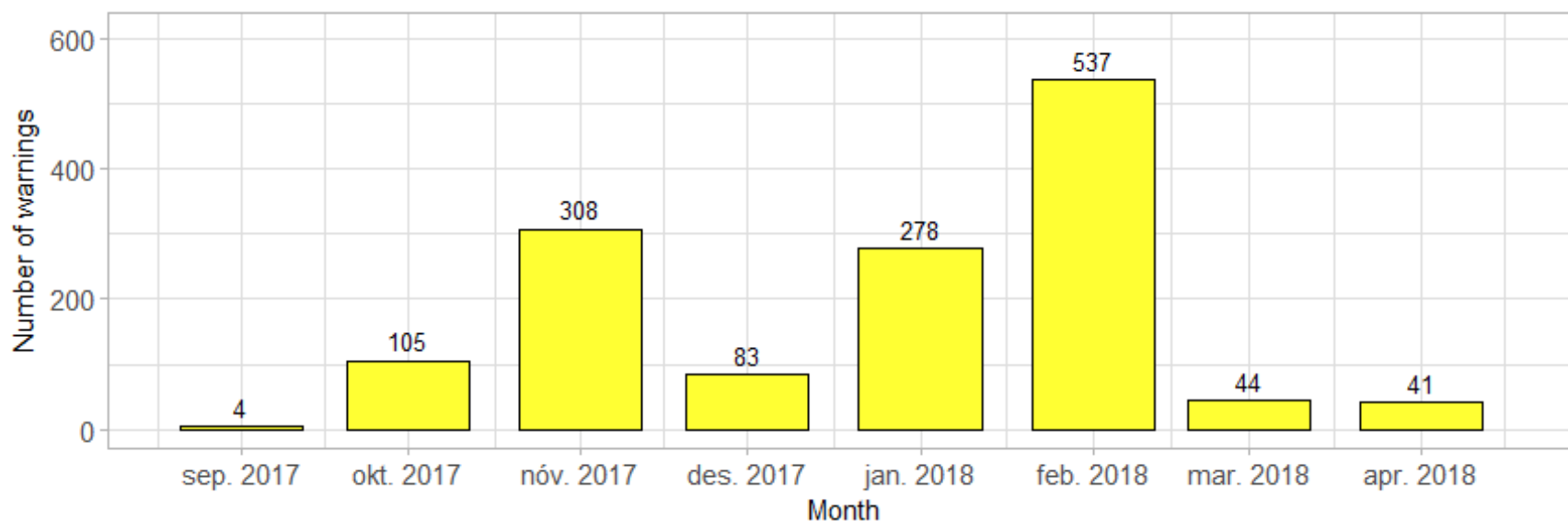


All alerts issued and revised

Total number of amber alerts = 204



Total number of yellow alerts = 1400

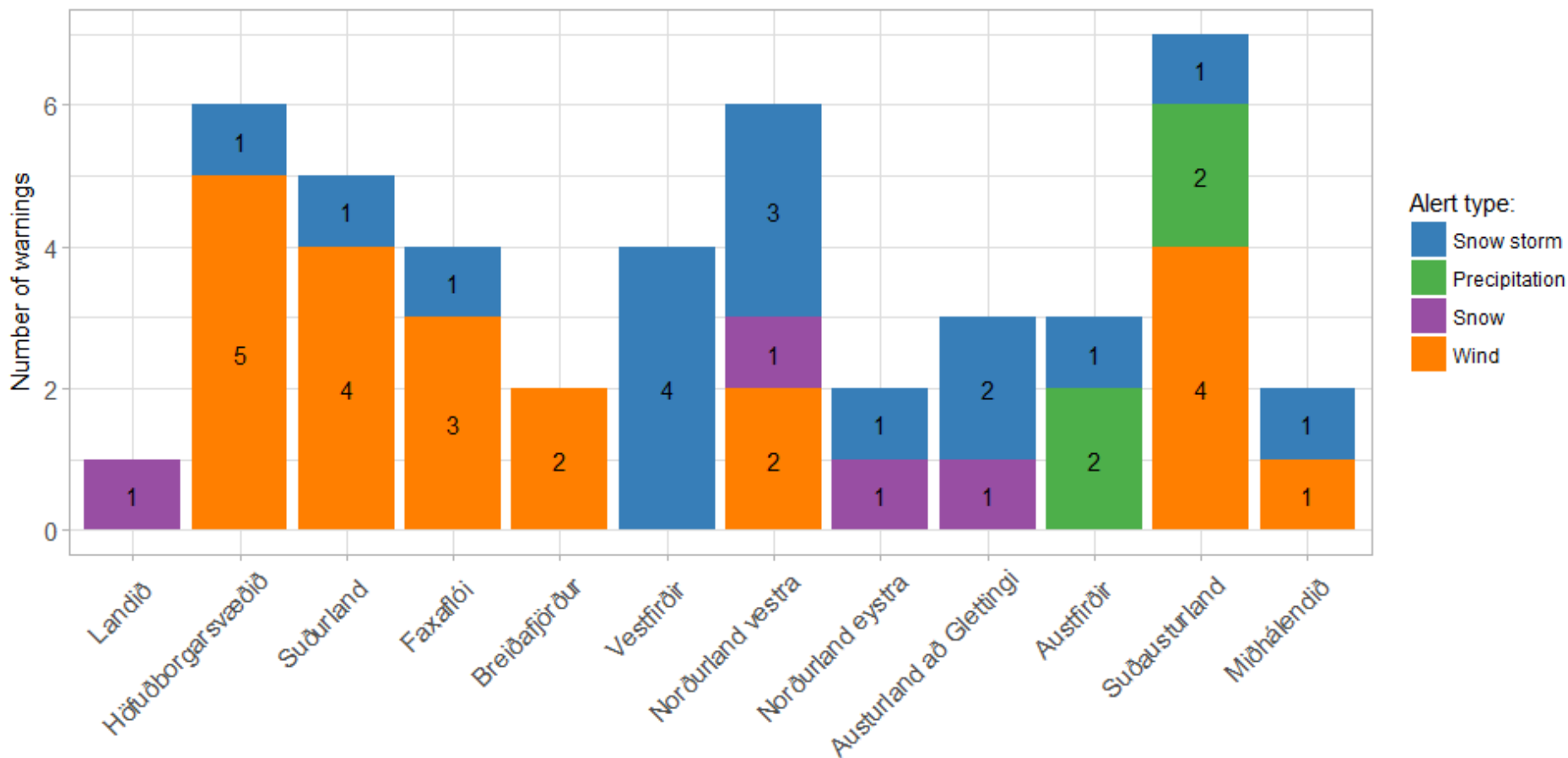


Forecast areas in Iceland



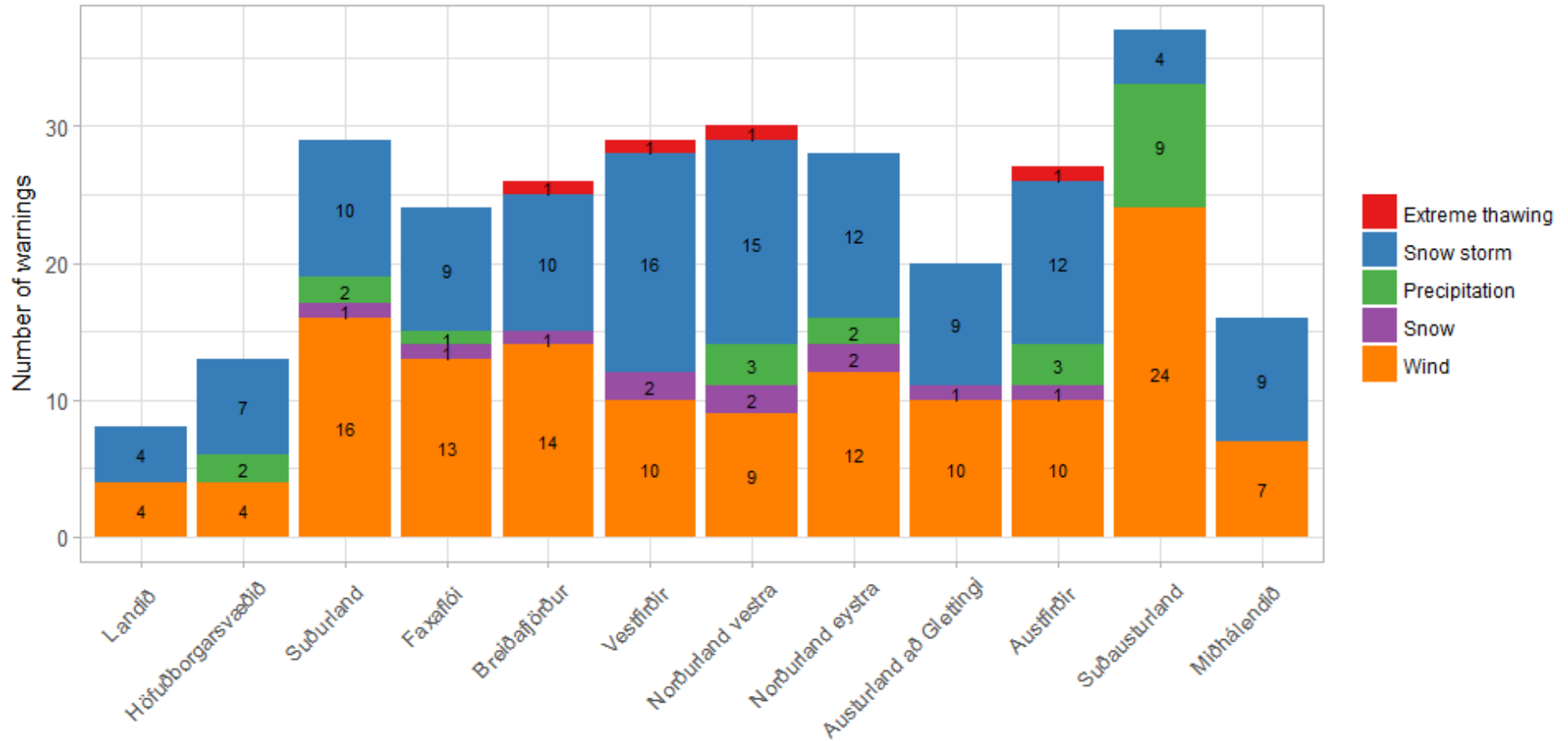
Amber alerts issued in Iceland

Forecast area and type



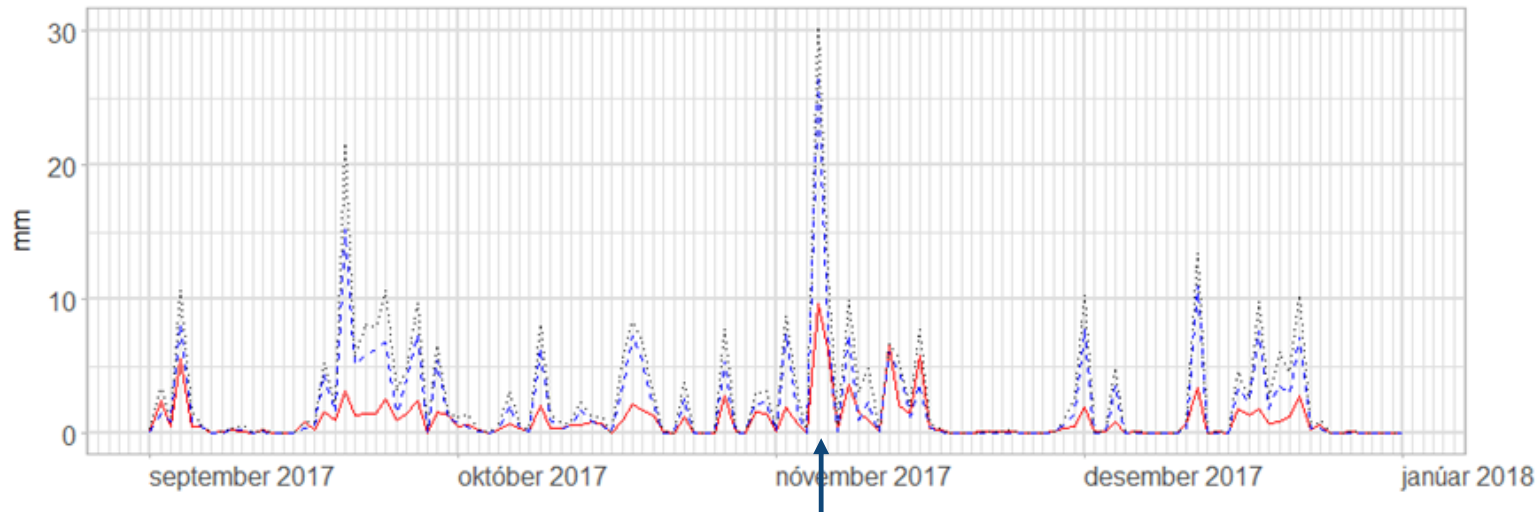
Yellow alerts issued in Iceland

Forecast area and type



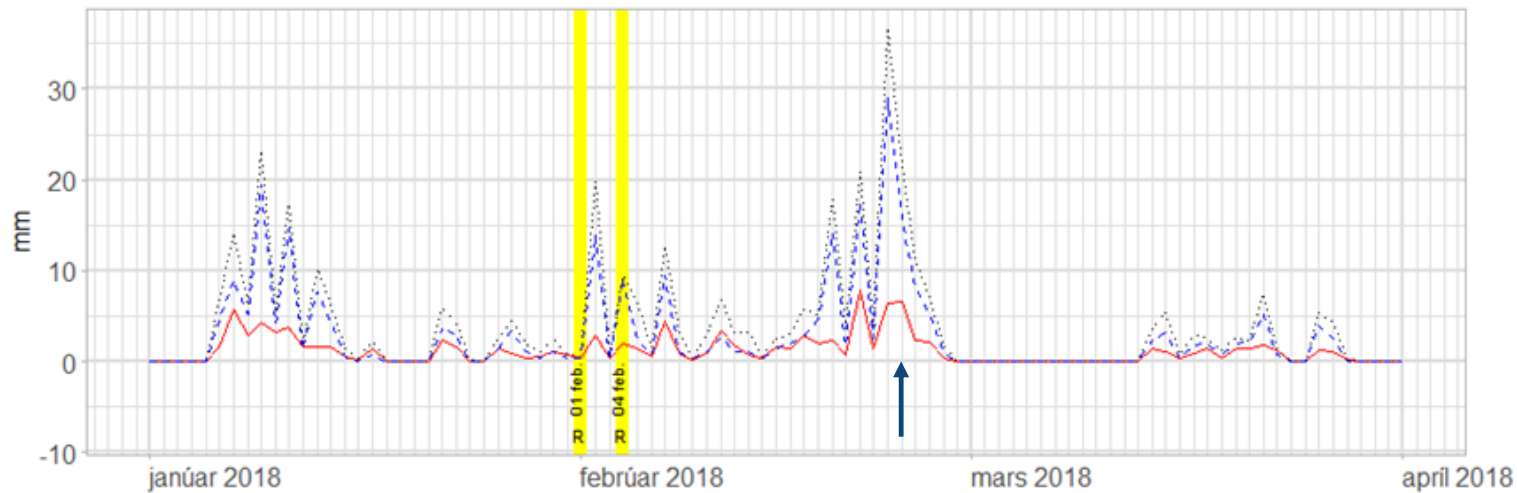
Capital area autumn 2017 Alert type: R = Rain A = Extreme thawing S = Snow

Precipitation — 1h max 24h max --- 24h mean



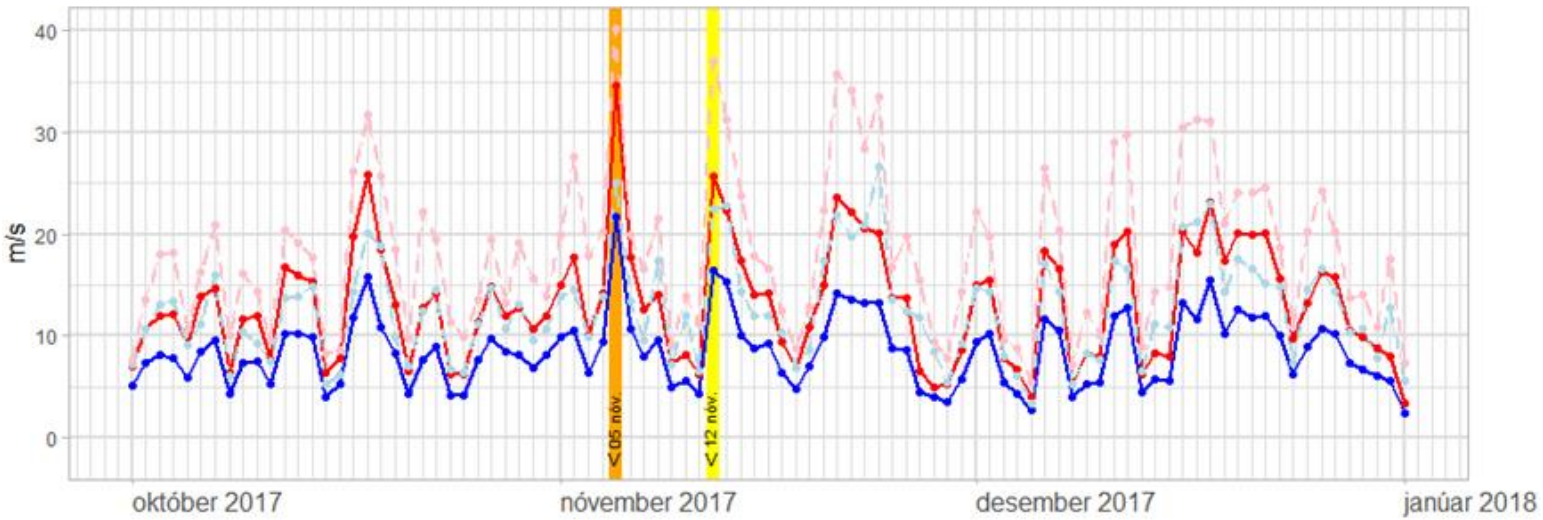
Capital area spring 2017 Alert type: R = Rain A = Extreme thawing S = Snow

Precipitation — 1h max 24h max --- 24h mean



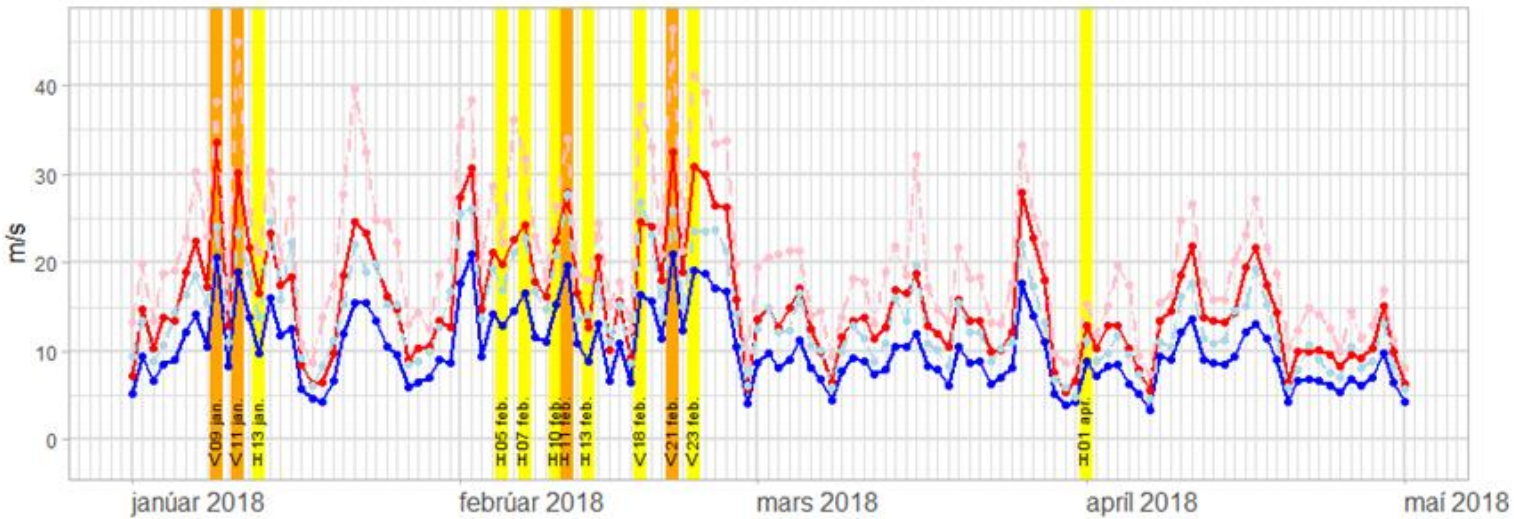
Höfuðborgarsvæðið haust 2017

Fx mean Fg mean Fx max Fg max



Höfuðborgarsvæðið vor 2018

Fx mean Fg mean Fx max Fg max



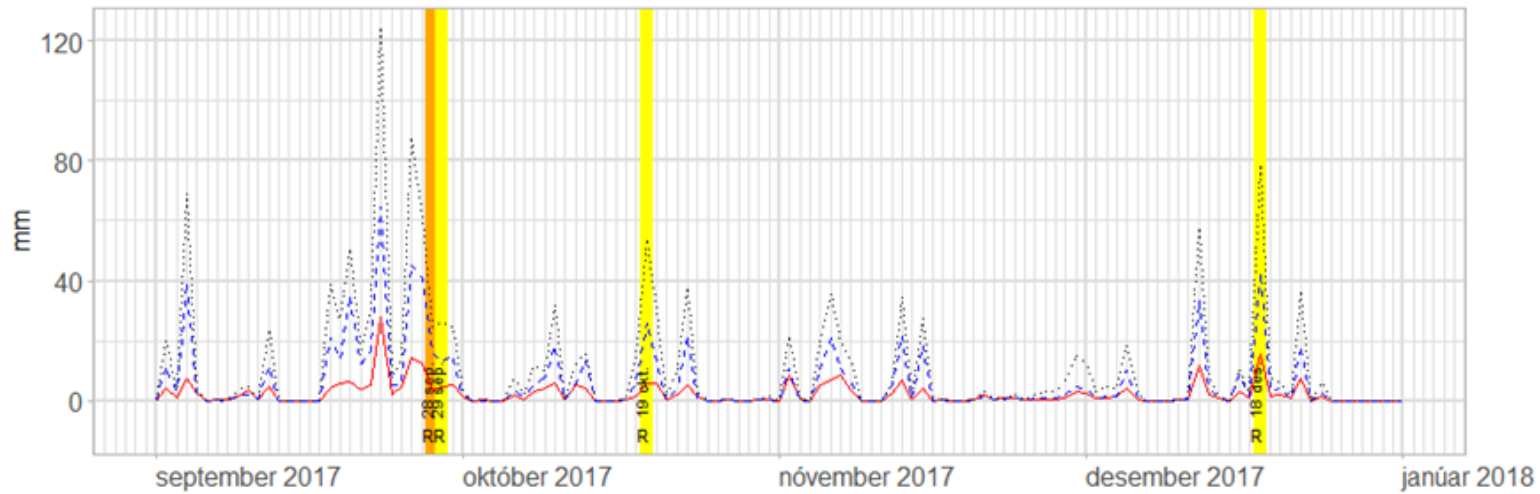
21. February 2018



Southeast part autumn 2017

Alert type: R = Rain A = Extreme thawing S = Snow

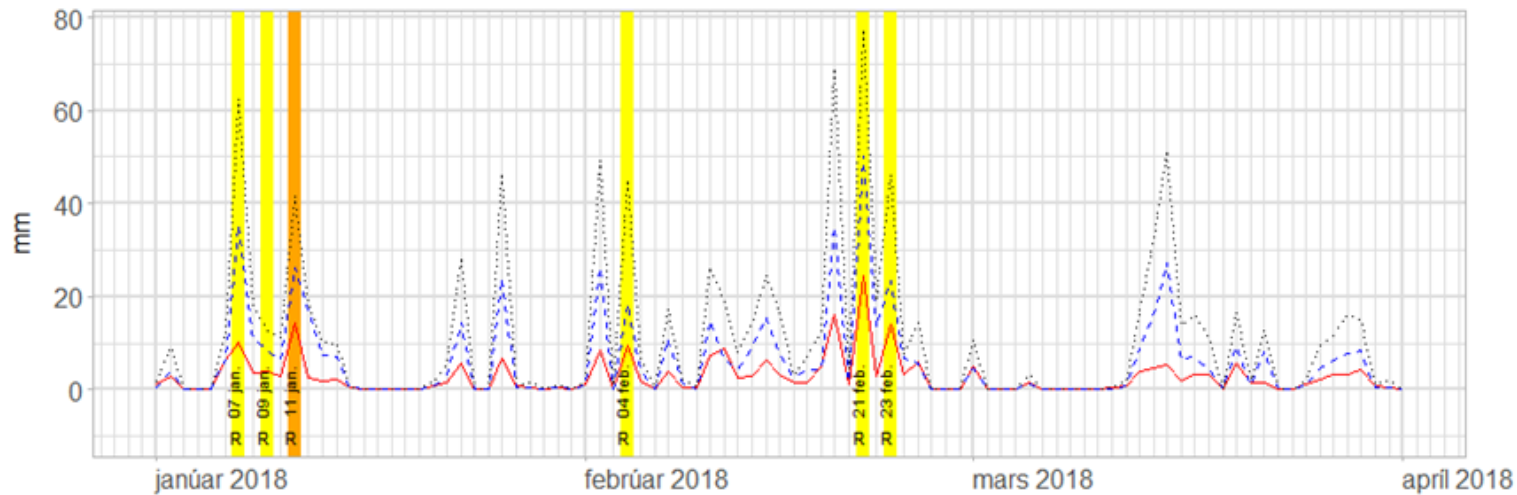
Precipitation — 1h max 24h max - - - 24h mean



Southeast part spring 2018

Alert type: R = Rain A = Extreme thawing S = Snow

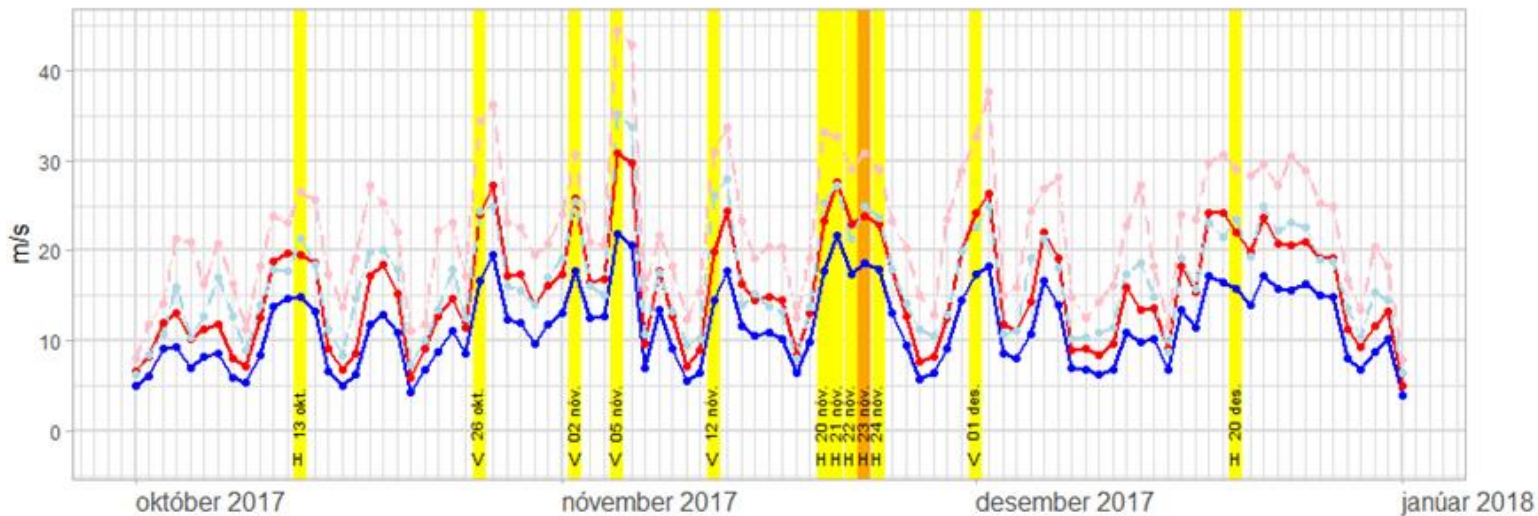
Precipitation — 1h max 24h max - - - 24h mean



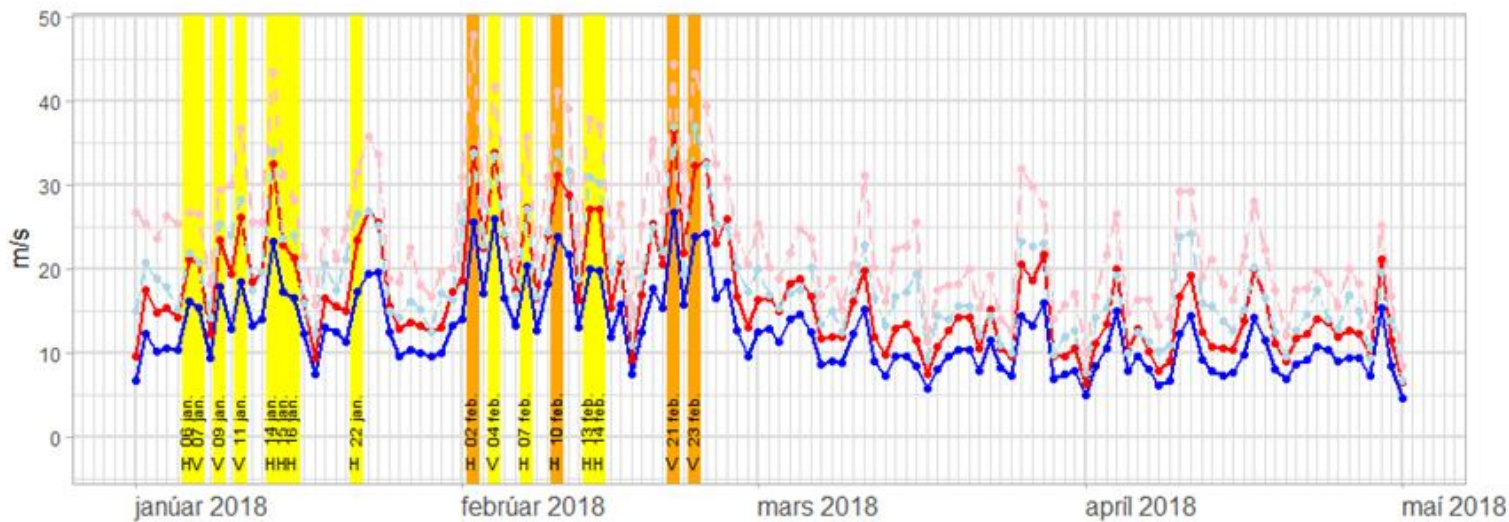
27. September 2017



Norðurland vestra haust 2017 Fx mean Fg mean Fx max Fg max

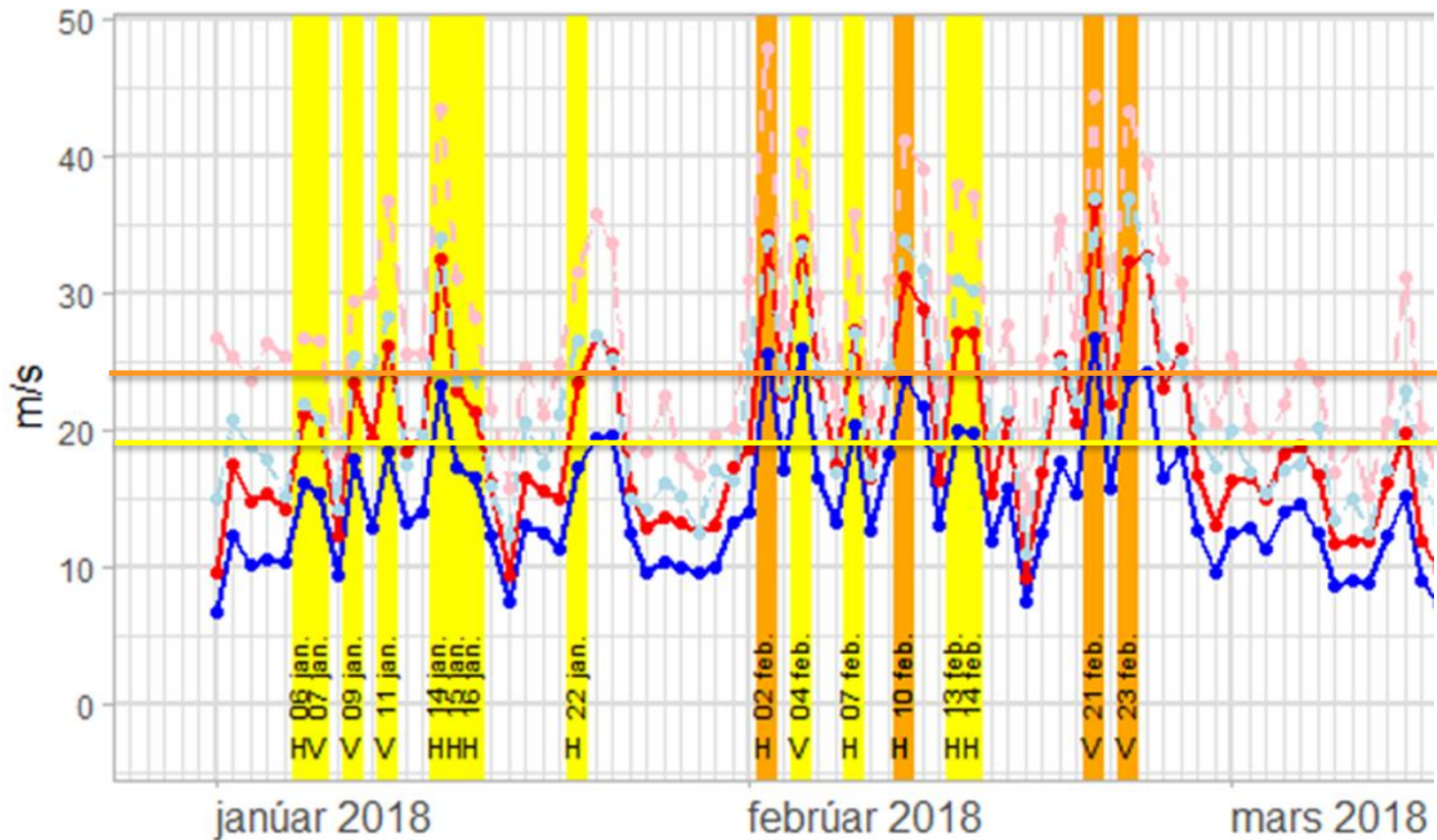


Norðurland vestra vor 2018 Fx mean Fg mean Fx max Fg max



Is it possible to find threshold for each type and area?

Norðurland vestra haust 2017



24 m/s

19 m/s

Developing a tool for the forecaster on duty, a live document

Appelsínugul veðurviðvörðun:

Íslenska	Enska
Vindur	Vindur
Asahláka	Asahláka
Rigning	Rigning
Snjókoma	Snjókoma
Eldingar	Eldingar
Hríð	Hríð

Appelsínugul veðurviðvörðun: Severe gale, storm or violent storm

Spásvæði	Lýsing
Landið	Severe gale or storm with mean wind x-x m/s is forecasted and violent and dangerous wind gusts x-x m/s can be expected near mountains. The weather is likely to cause extensive transport disturbances, closure of some key routes and delay in air travel. Damages due to flying debris are likely and construction workers are encouraged to secure construction sites. Higher sea levels can also be expected due to storm surge. People are advised to secure their surroundings and fasten loose items, show caution and monitor weather forecasts. Travelling is not advised while the weather warning is in effect.
Höfuðborgarsvæðið	Severe gale or storm with mean wind x-x m/s and wind gusts exceeding x m/s. Extremely windy with violent gusts in higher suburbs and also on routes that leads out of the city, e.g. at Kjalarnes, Hellisheiði and on Reykjanesbraut. Transport disturbances are likely during the weather and delay in air traffic. Damages due to flying debris are likely and construction workers are encouraged to secure construction sites. Higher sea levels can be expected due to storm surge with the possibility of small boats being damaged or detached from the dock. People are advised to secure their neighborhood and show caution. Travelling is not advised while the weather warning is in effect.

Final points

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- ❖ Need to send clear message to the public
 - ❖ The forecasters must have united front
 - ❖ Evaluate and draw knowledge from past events
 - ❖ Access to good tools and guidelines
 - ❖ Ready for new changes

Thank you!!

Questions?