



Veðurstofa Íslands

Vísindi á vakt

Illviðrið 5.-6. febrúar 2025 - veður og veðurspá

Bolli Pálmason & Guðrún Nína Petersen

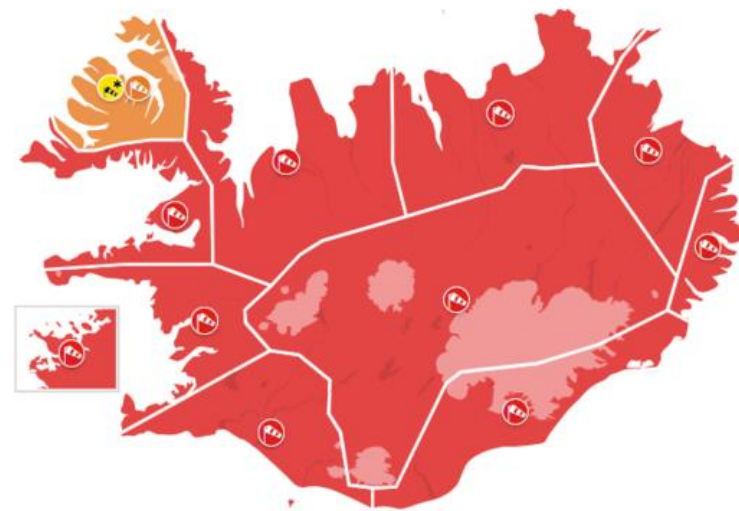
Eitt öflugasta sunnanillviðri síðustu ára

- en engin veðurmet féllu

Nokkrar tölur:

- **5. febrúar:**
 - > 24 m/s á 140 veðurstöðvum
 - > 28 m/s á 62 veðurstöðvum
- **6. febrúar:**
 - > 24 m/s á 96 veðurstöðvum
- Óvenju útbreitt veður, síðast álíka veður **21. febrúar 2022**
- **Mesta vindhviða: 66,3 m/s á Gagnheiði 5. febrúar** (febrúarmet á stöð)
- Nokkur febrúarmet í viðbót
- **Veðrið verst á Austfjörðum, einkum Stöðvarfirði**

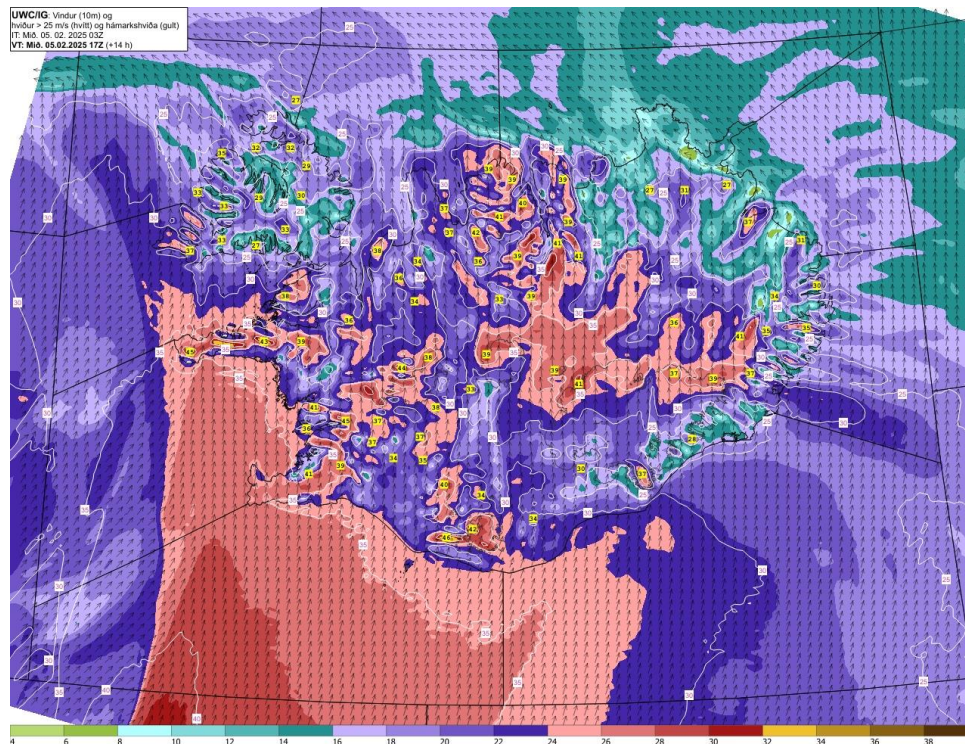
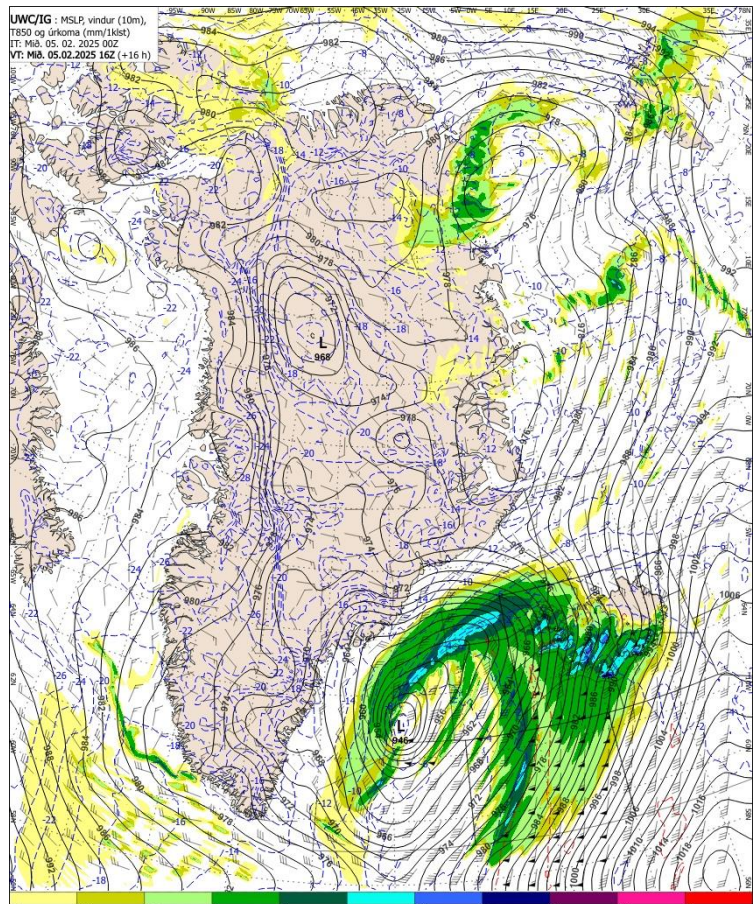
Viðvaranir



Viðvaranakort 5.-6. febrúar

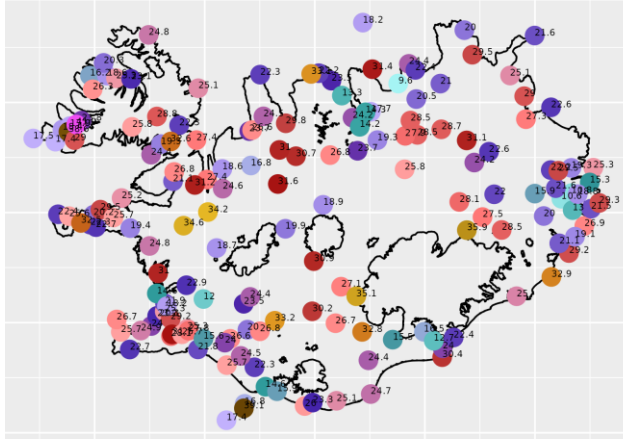
5. febrúar: Djúp lægð fór norður Grænlandssund

Spá í gildi 5. febrúar kl. 16.



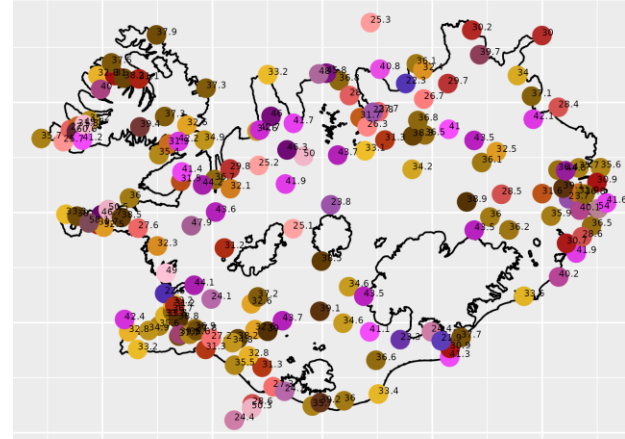
5. febrúar: Hár vindhraði/hviða en ekki óalgengur viðast hvar

2025-02-05: max FX

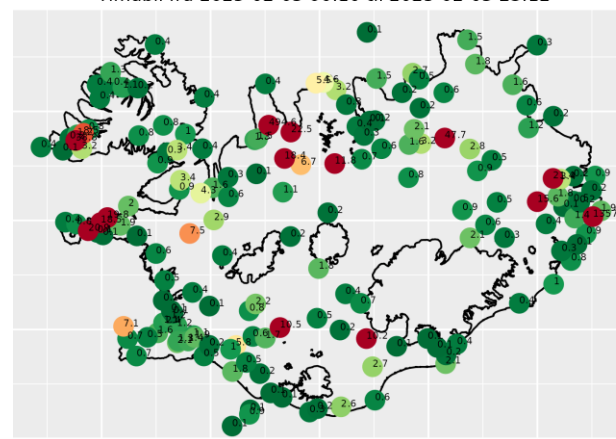
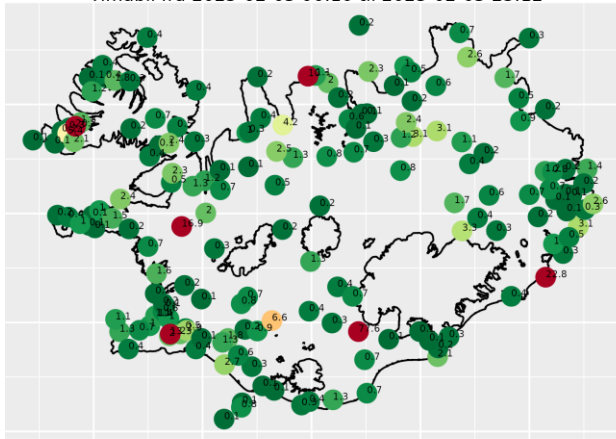


Tímabil frá 2025-02-05 00:10 til 2025-02-05 23:12

2025-02-05: max FG

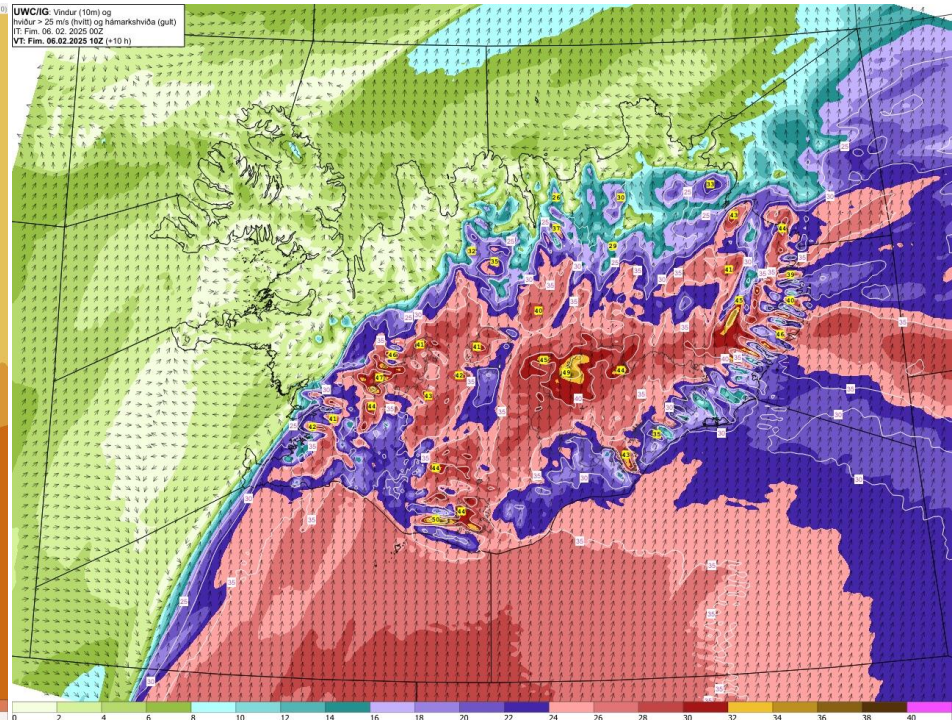
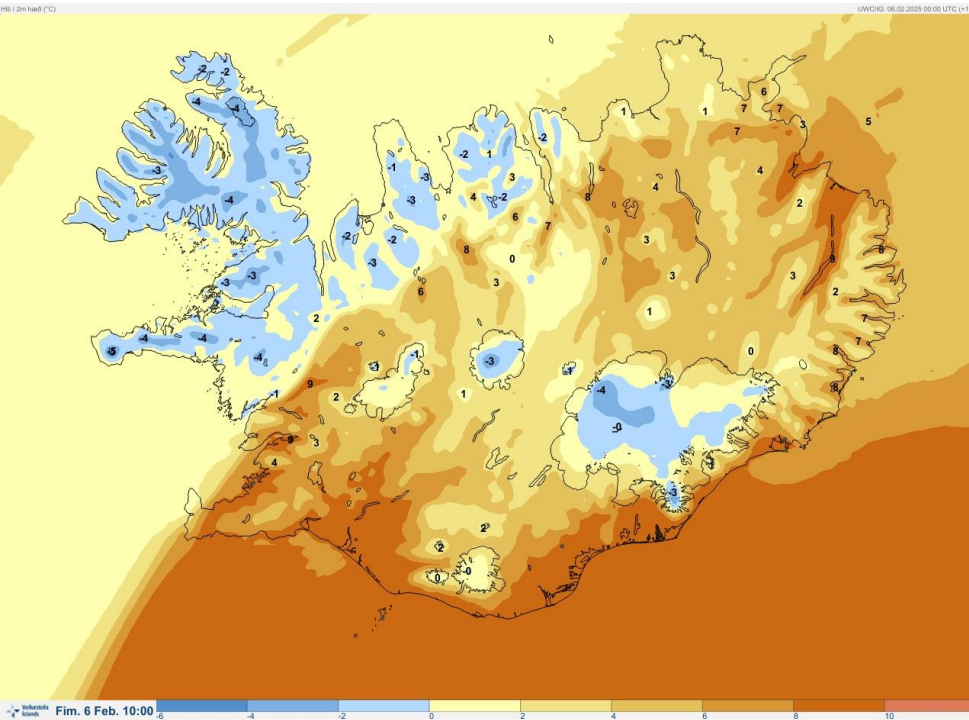


Tímabil frá 2025-02-05 00:10 til 2025-02-05 23:12



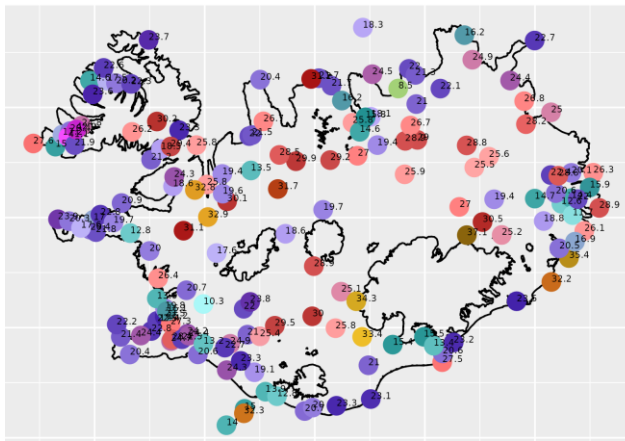
6. febrúar: Næsta lægð og skörp skil

Spá í gildi 6. febrúar kl. 10.

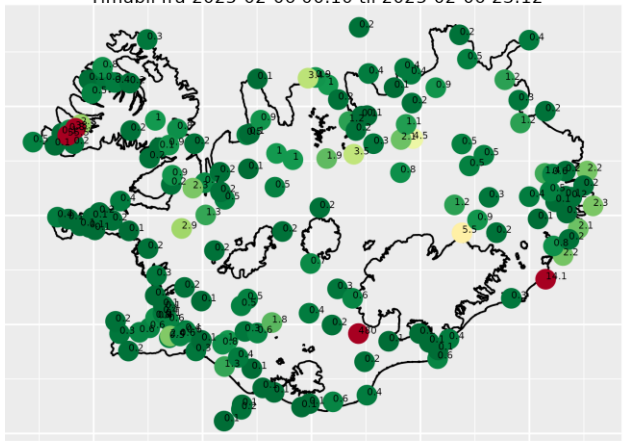


6. febrúar: Vindhraði lægri en hviða enn há

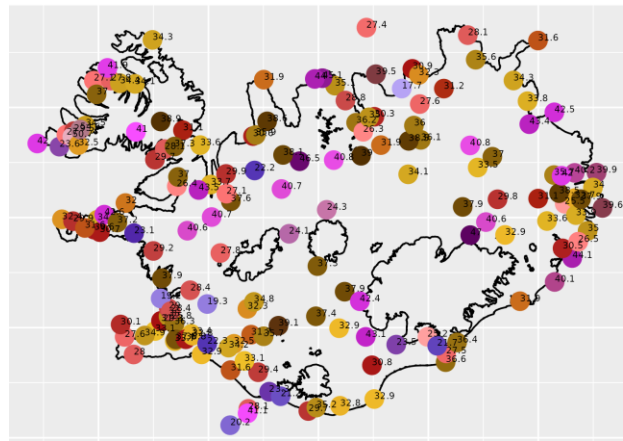
2025-02-06: max FX



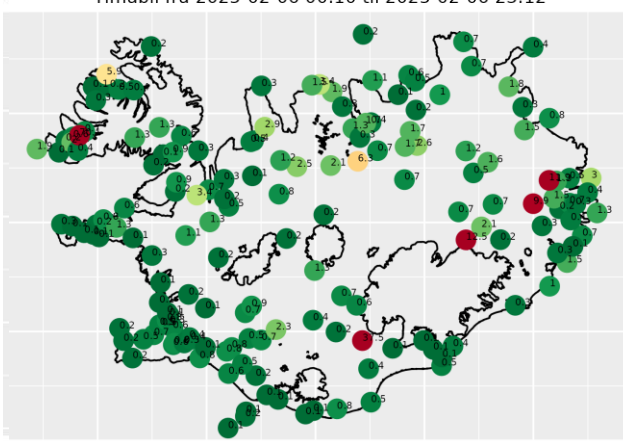
Tímabil frá 2025-02-06 00:10 til 2025-02-06 23:12



2025-02-06: max FG



Tímabil frá 2025-02-06 00:10 til 2025-02-06 23:12



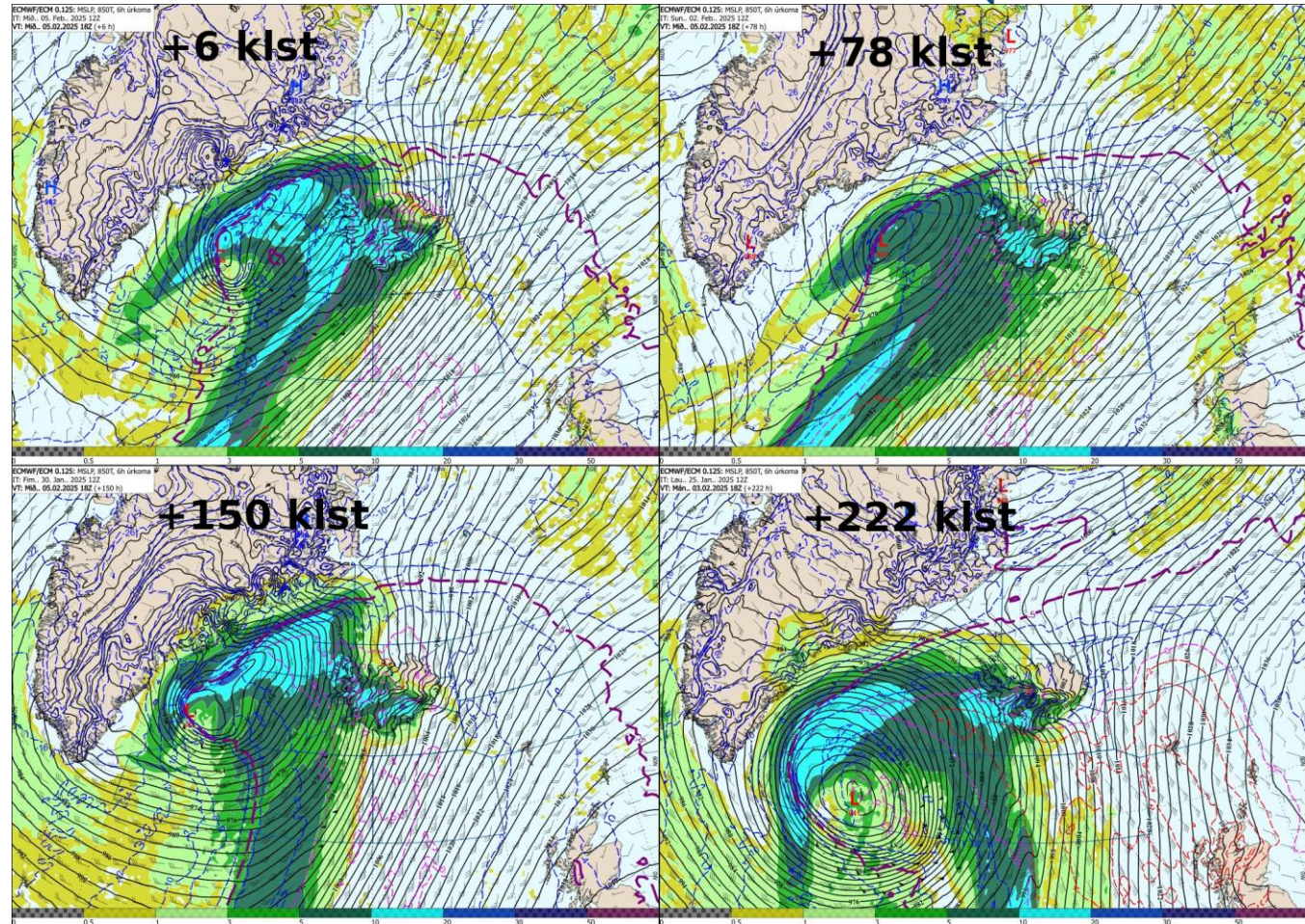
Veðurspár

Spákeyrslur
ECMWF

Gildistími kl. 18
5. febrúar

Veðrinu spáð með
miklum fyrirvara

Aðalspákeyrsla
ECMWF hér með
djúpa lægð við
landið með 9 daga
fyrirvara og
staðsetningin
orðin nokkuð góð
með viku fyrirvara



ECMWF IFS vs. AIFS - gervigreindarspár?

Evrópska reiknimiðstöðin (ECMWF) sendi út frétt í síðustu viku um að nýtt gervigreindar spálíkan AIFS sé að fara í rekstur 25. febrúar (útgáfa 1)

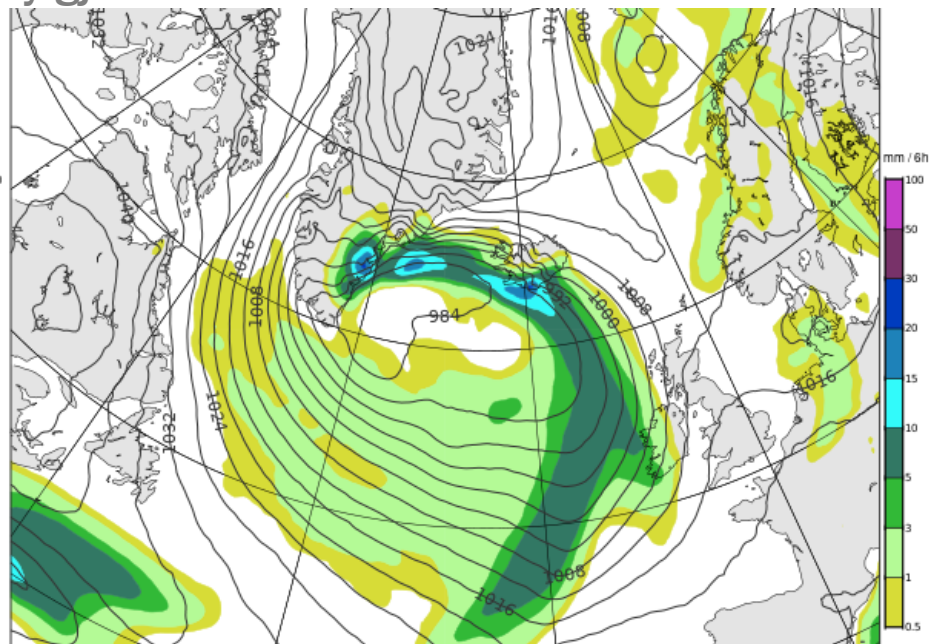
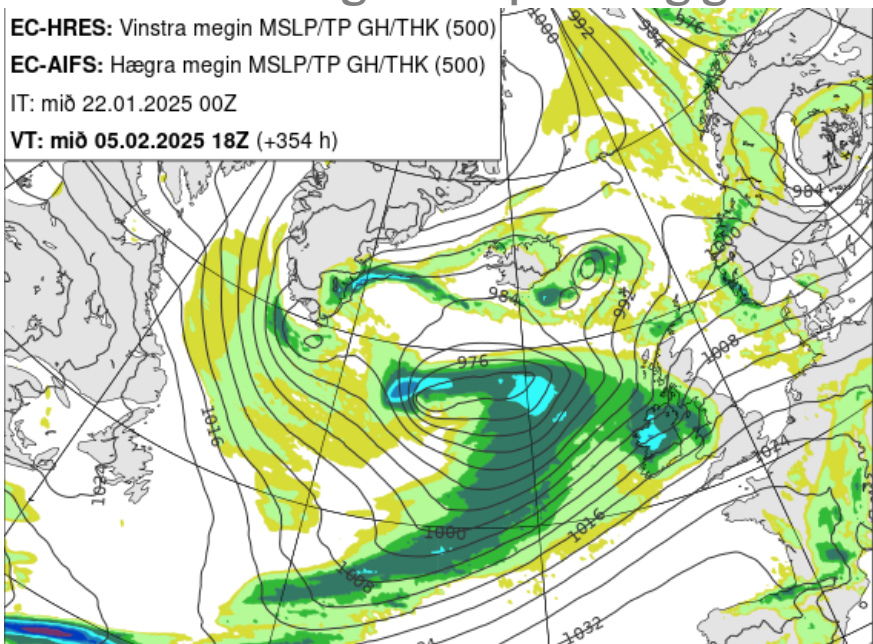
Glöggir unnendur kortabrunns VÍ hafa tekið eftir að nú er hægt að nálgast kort úr AIFS! Gríðarlega hröð þróun og gaman að fylgjast með á næstu misserum.

EC-HRES: Vinstra megin MSLP/TP GH/THK (500)

EC-AIFS: Hægra megin MSLP/TP GH/THK (500)

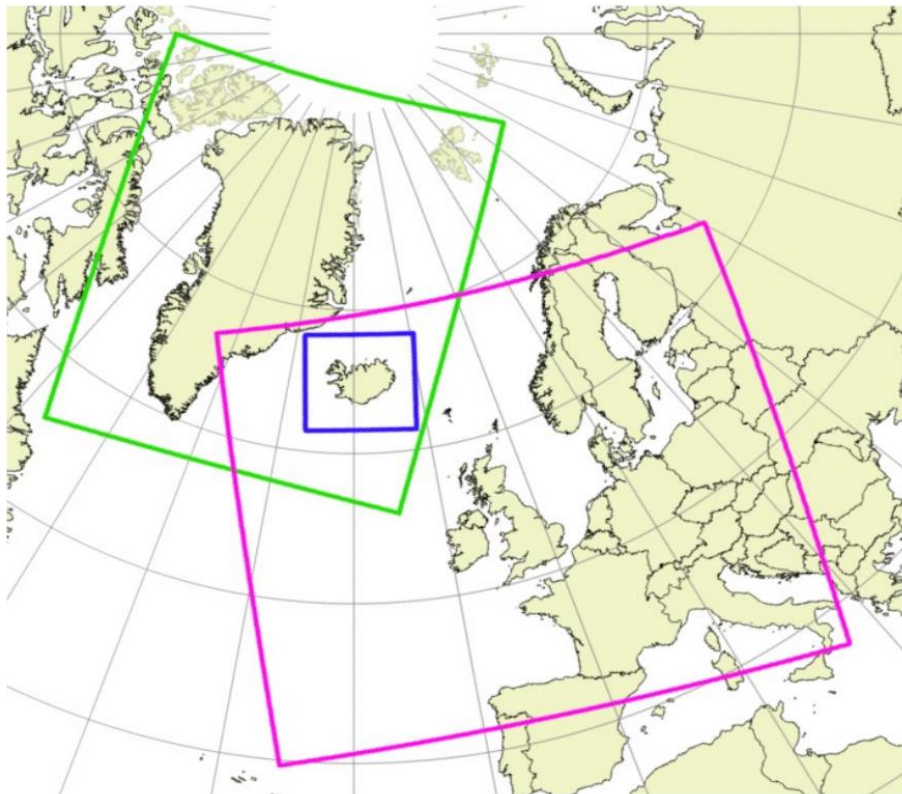
IT: mið 22.01.2025 00Z

VT: mið 05.02.2025 18Z (+354 h)



Harmonie spákeyrslur 2 km / 750 m

United Weather Centres – West (UWC-W)



IG: Iceland-Greenland svæðið á 2,0 km reiknineti (8x +78 klst)

DINI: 1+30 safnspár (Ensemble) á 2,0 km reiknineti (24x +60 klst)

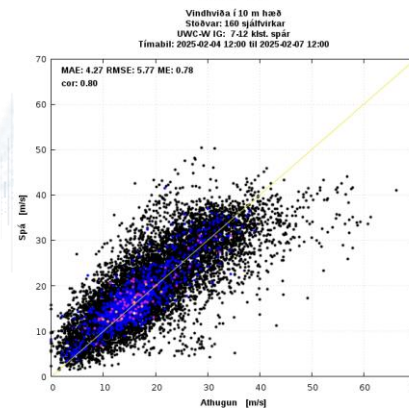
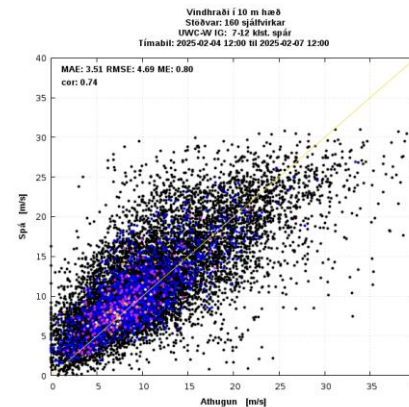
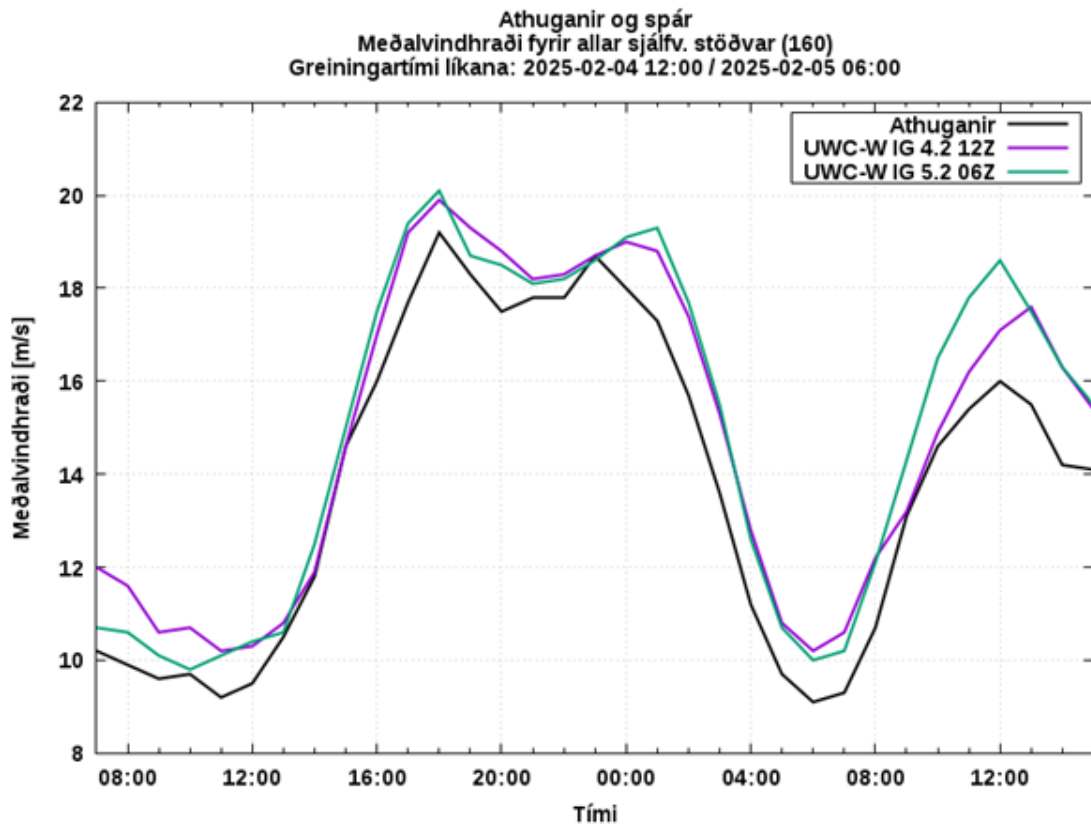
IS750m: Okkar eigin spákeyrsla á 750 m reiknineti (4x +48 klst)

Við erum í samstarfi við Dani, Íra, Hollendinga um veðurspákeyrslur á ofurtölvu í kjallara Veðurstofunnar.

Rekstur hófst 19. mars 2024

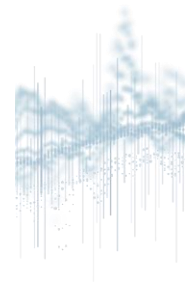
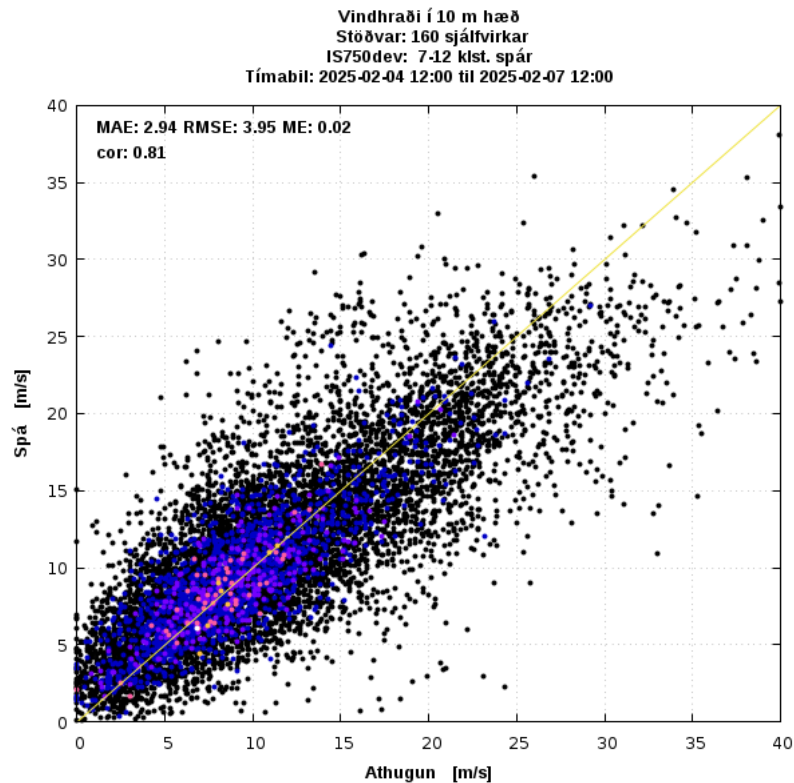
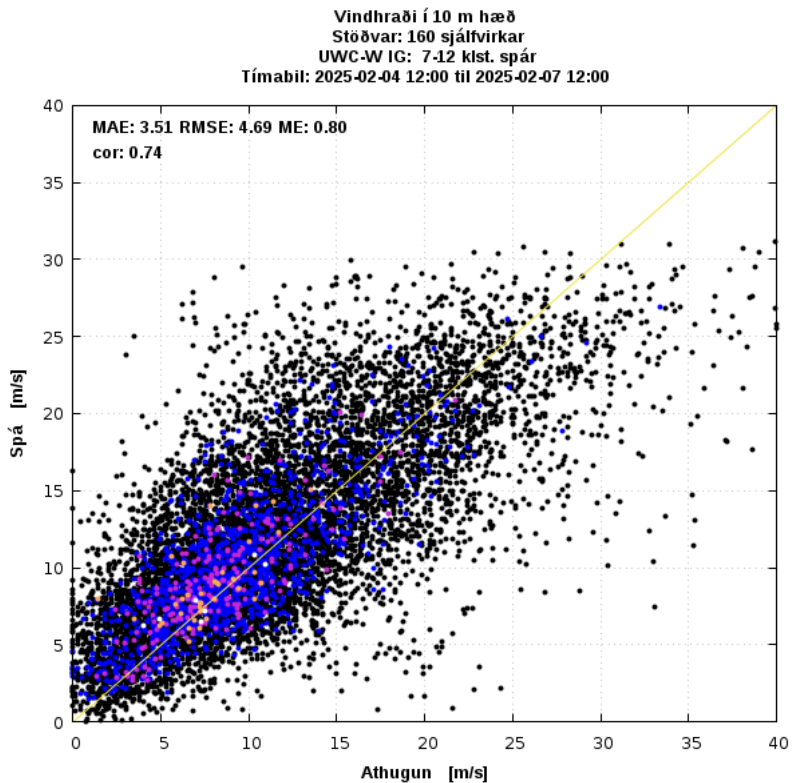
UWC-W IG spálíkanið - ríkisspáin!

IG er það líkan sem mest er notað af veðurfræðingum á vakt og er á vef VÍ



IG vs. IS750 – F10m (160 sjálfv. Stöðvar)

+7-12 klst spár. IG virðist ekki spá hærri vindhraða en 30 m/s ?

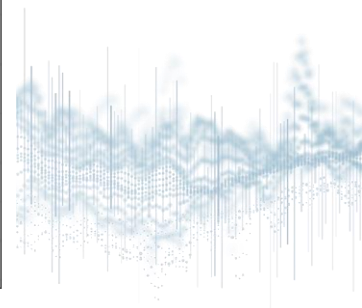
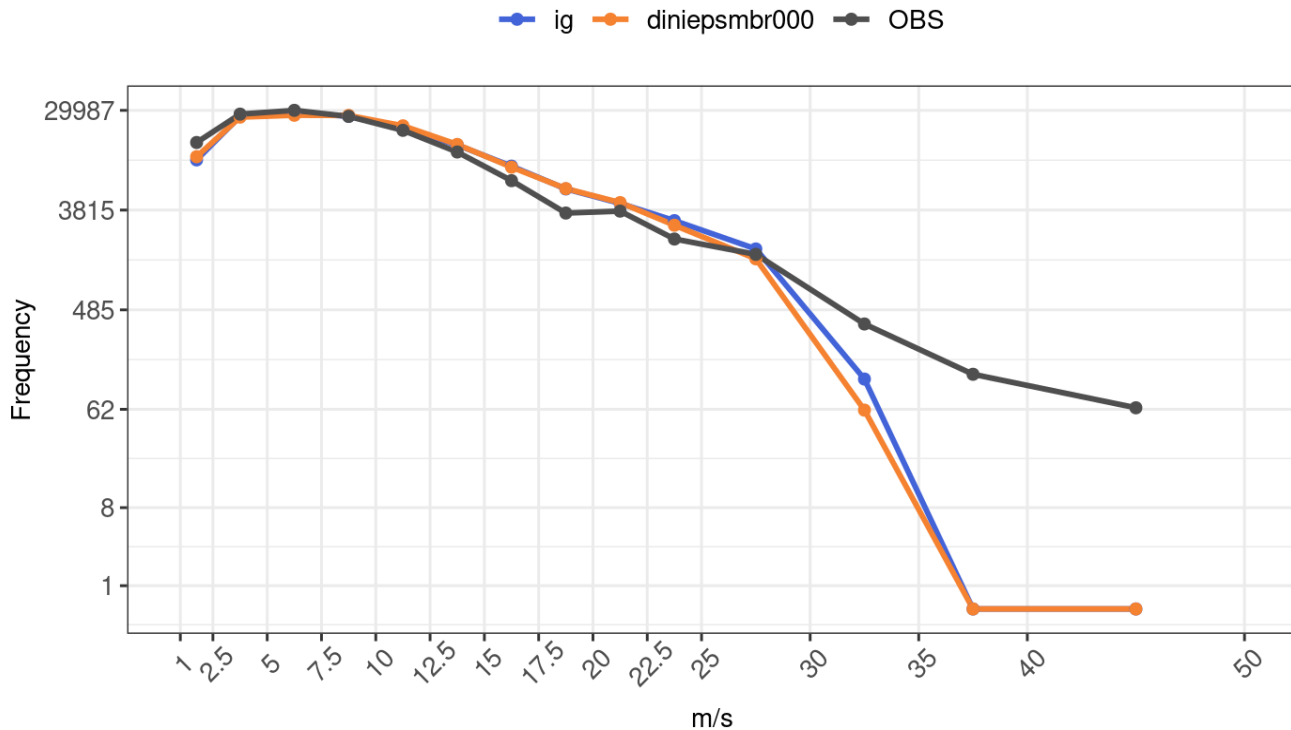


IG/DINI - F10m (talning yfir vindhraðabil)

Líkönin virðast standa sig vel á bilinu 25-30 m/s, en gengur illa >30 m/s

Freqhist : S10m : 2025-02-03-00 - 2025-02-10-18 (63 cycles)

Used {00,03,06,09,12,15,18,21} +3, 6, ... , 48 : IS stations (bins=[], min included, num obs > 0)

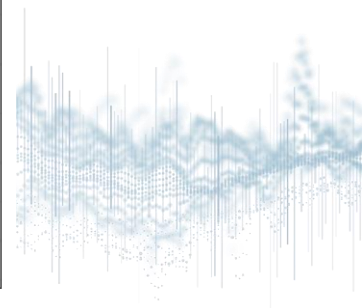
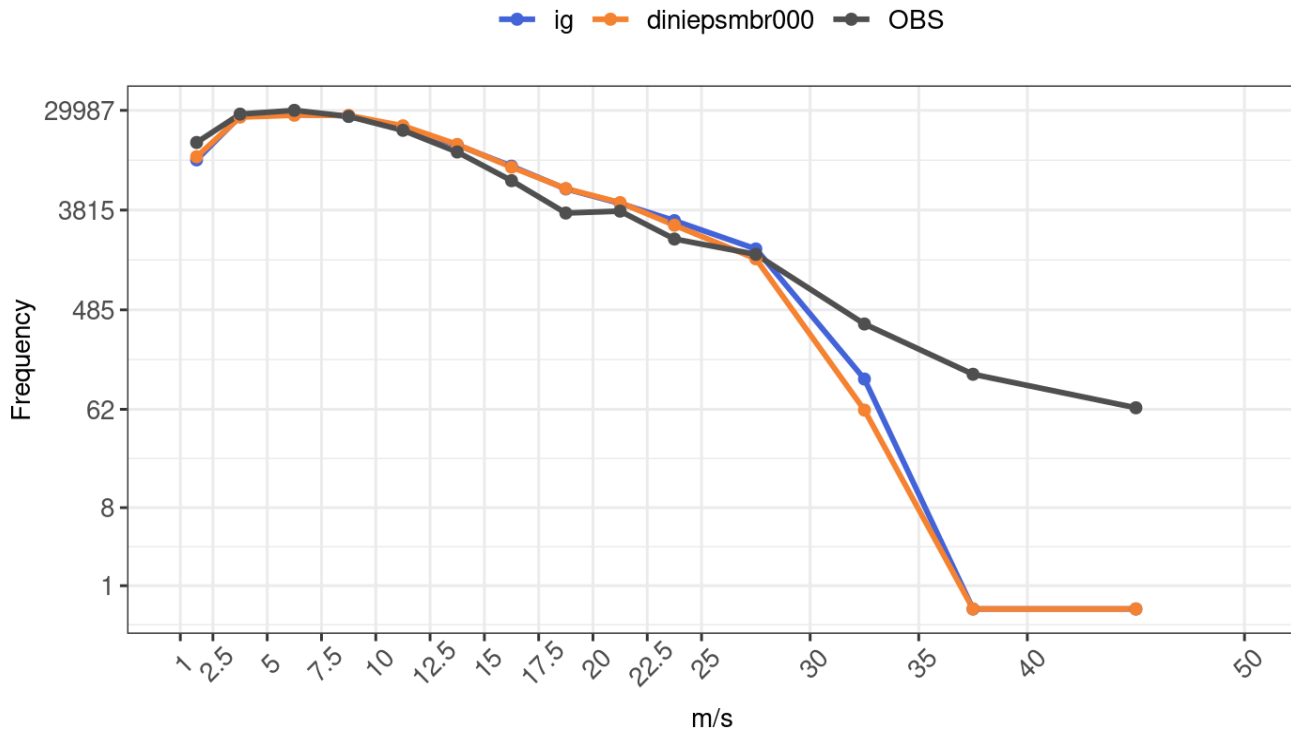


IG/DINI - F10m (talning yfir vindhraðabil)

Líkönin virðast standa sig vel á bilinu 25-30 m/s, en gengur illa >30 m/s

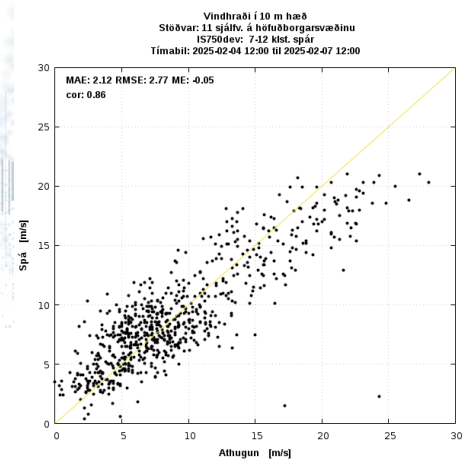
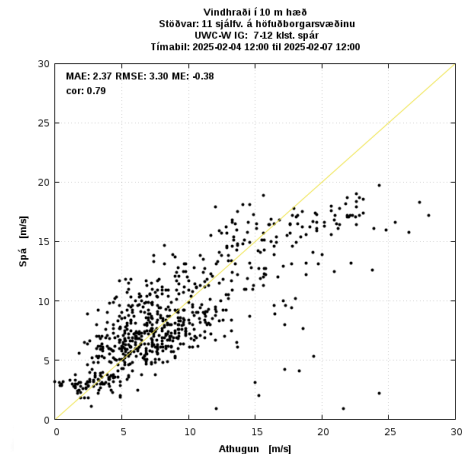
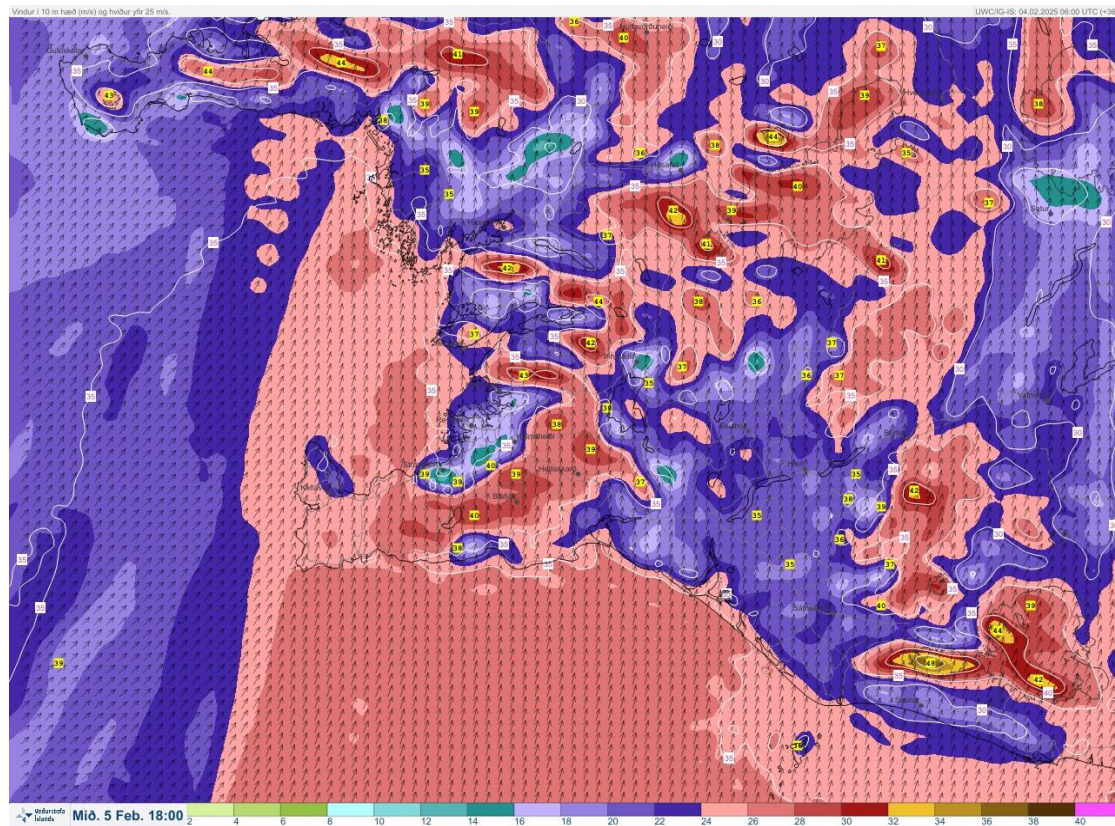
Freqhist : S10m : 2025-02-03-00 - 2025-02-10-18 (63 cycles)

Used {00,03,06,09,12,15,18,21} +3, 6, ... , 48 : IS stations (bins=[], min included, num obs > 0)

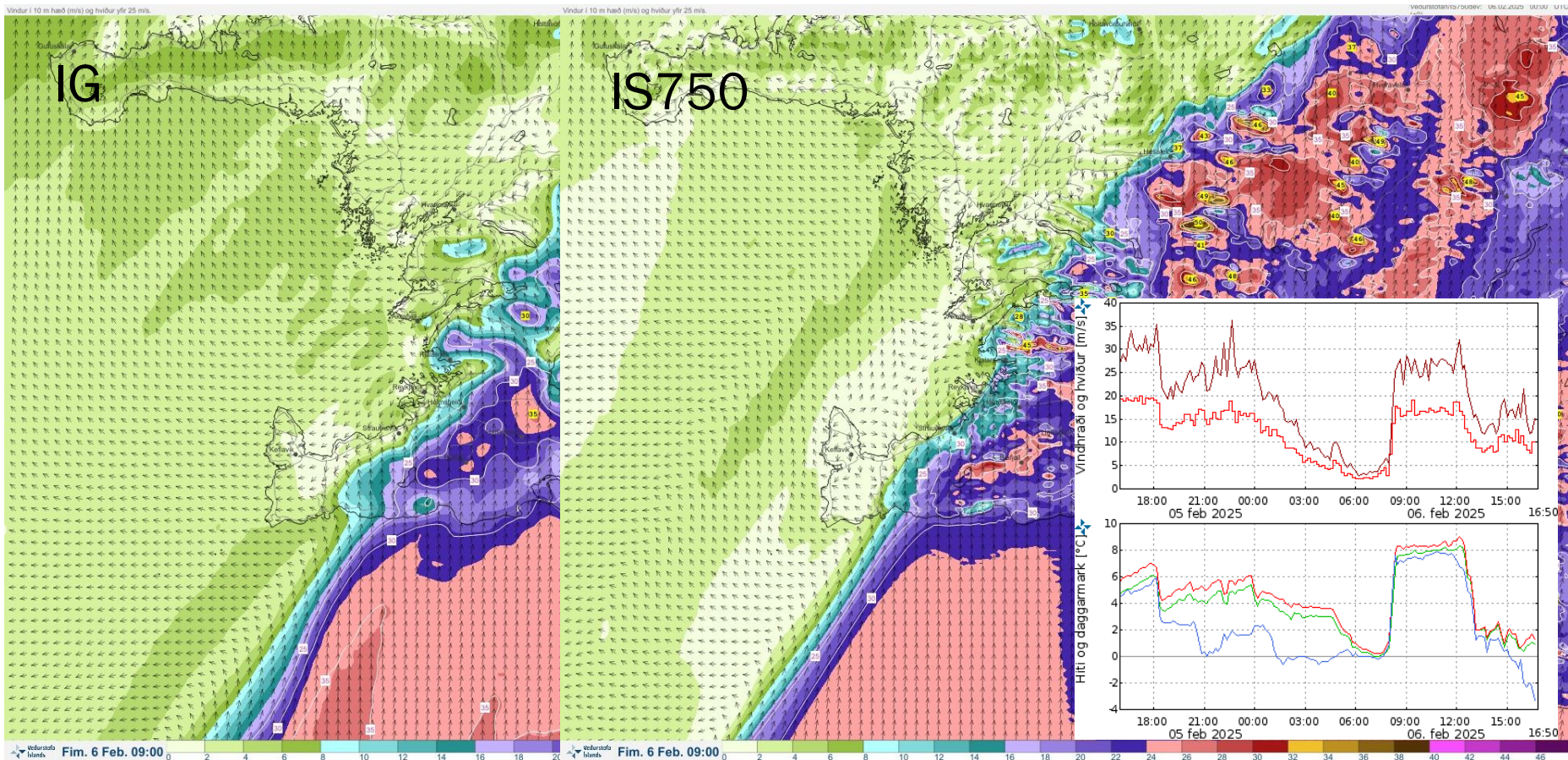


Minni vindur á höfuðborgarsvæðinu?

Hrýfið í líkönunum er mikið yfir borginni – er það raunverulegt?

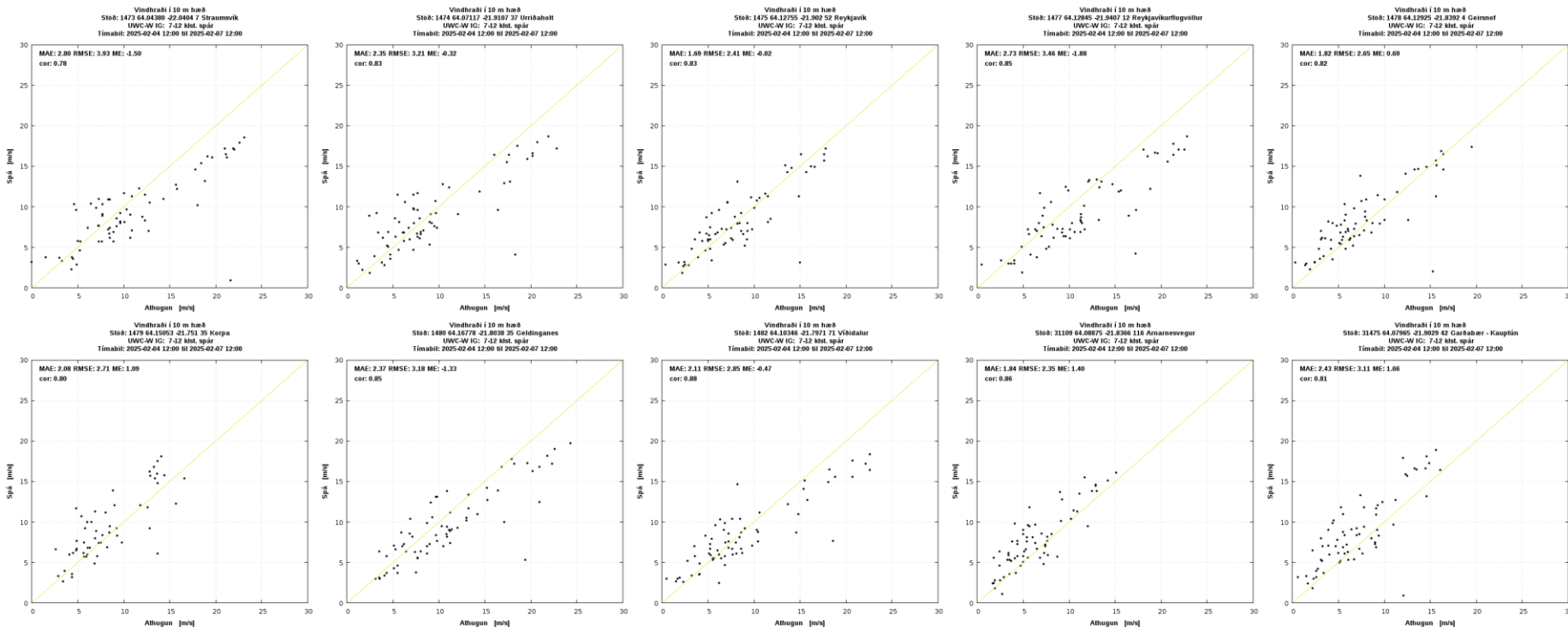


Skörp skil og IG aðeins of sein (+9 klst spá)



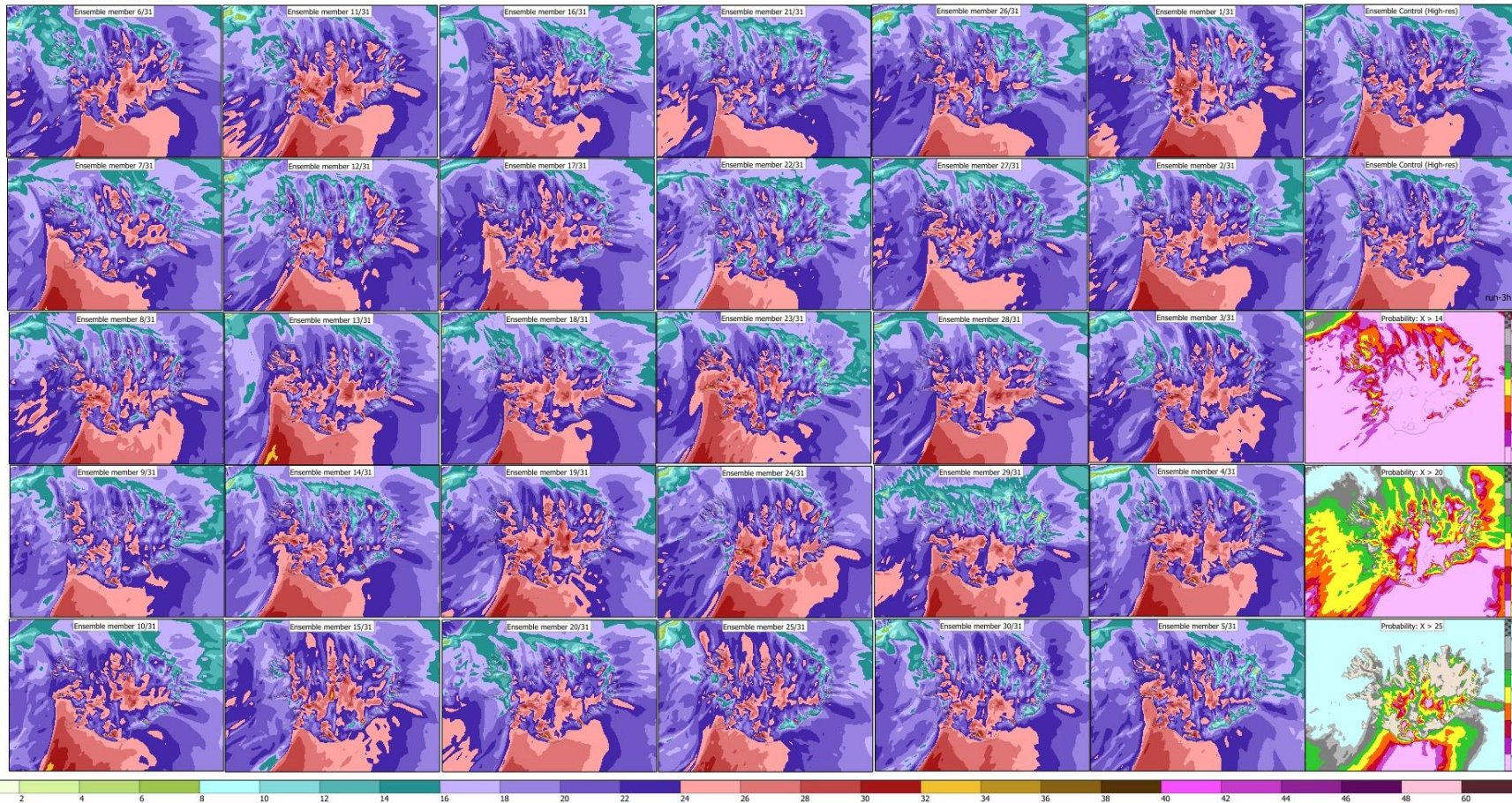
IG spá fyrir stöðvar á höfuðborgarsvæðinu

Vindur í 10m hæð. +7-12 klst spá dagana 4.-7. feb.



DINI-EPS safnspá - 1+30

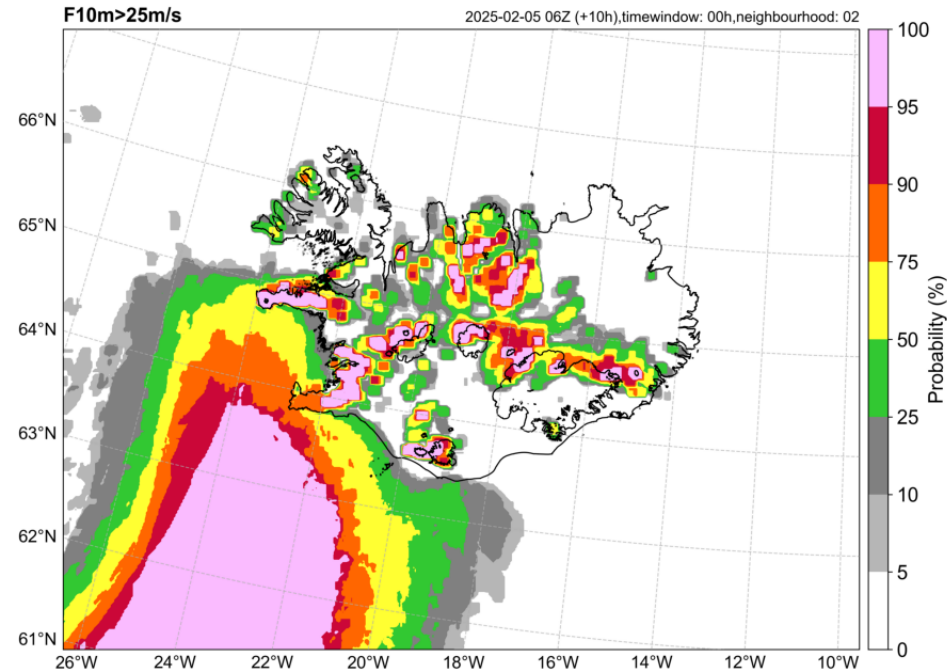
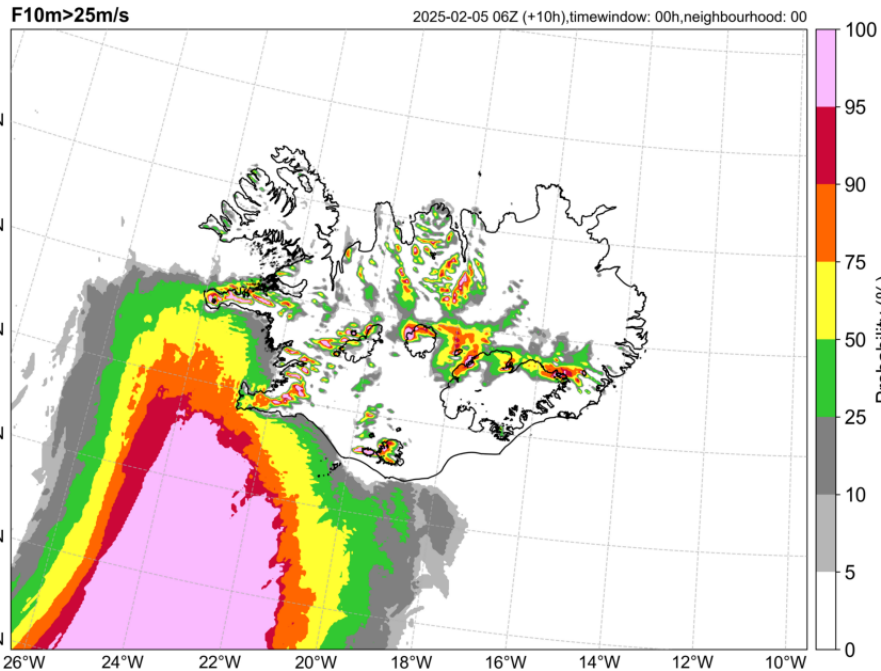
UWC/DINI-EPS IT: 05.02.2025 06Z VT: Mð. 5.feb. 19Z (+13 h)



Safnspá: líkindi á vindhraða > 25 m/s

Beint af kúnni vs. horft á 10 x 10 km box

Spá í gildi 5. febrúar kl. 16.



DINI-EPS safnspá - eldingaábendi

Líkur á eldingum (hægri niður)

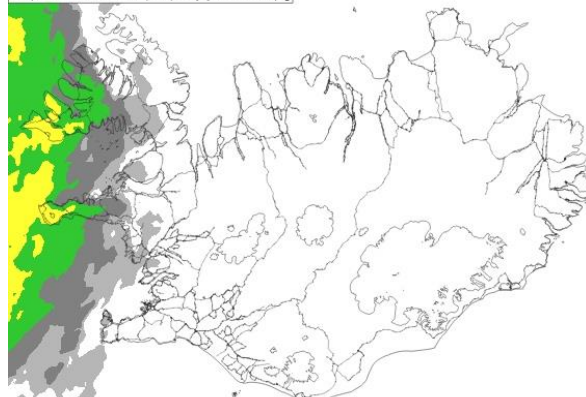
Veltimætti (CAPE) sýnt til glöggvunar (hinir rammarnir)

Stikinn klikkar þegar sum skil fara yfir (sjá austanvert landið)

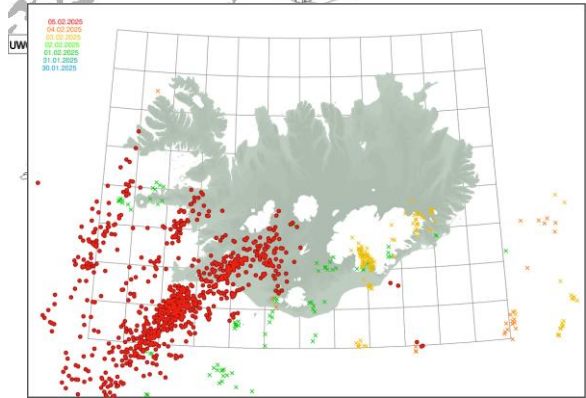
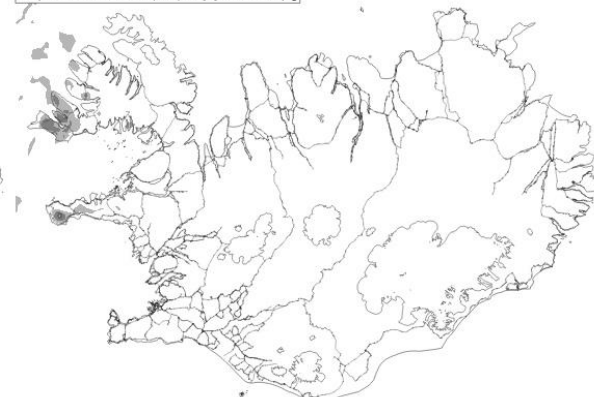
Pumalputtareglan: Ef sjá má veltimætti í grennd, þá má frekar treysta eldingaá bendinu!

-> Sjá næsta erindi!

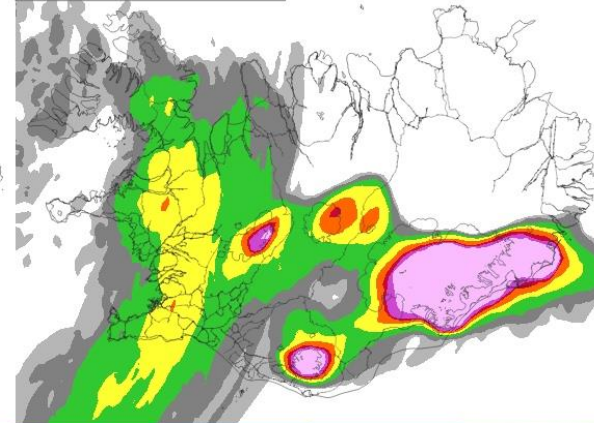
UWC/DINI-EPS: 2025-02-05 06Z (+13 h) Prob [%] CAPE > 100 J/kg



UWC/DINI-EPS: 2025-02-05 06Z (+13 h) Prob [%] CAPE > 300 J/kg



UWC/DINI-EPS: 2025-02-05 06Z (+13 h) Prob [%] Lightning > 1



19:00 5.feb./ Feb
Mið./ Wed

