

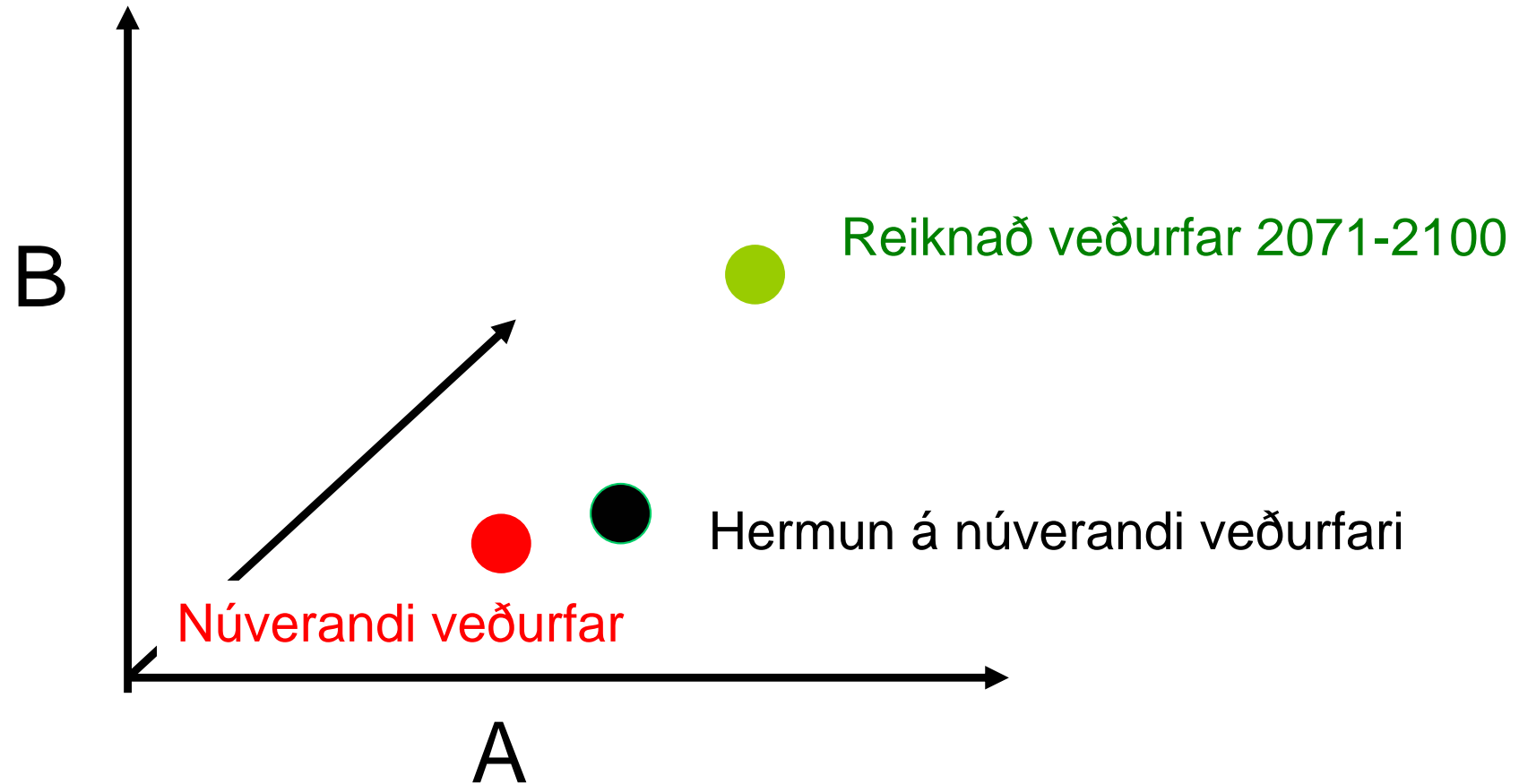
# Aftök í framtíðarveðri

Haraldur Ólafsson

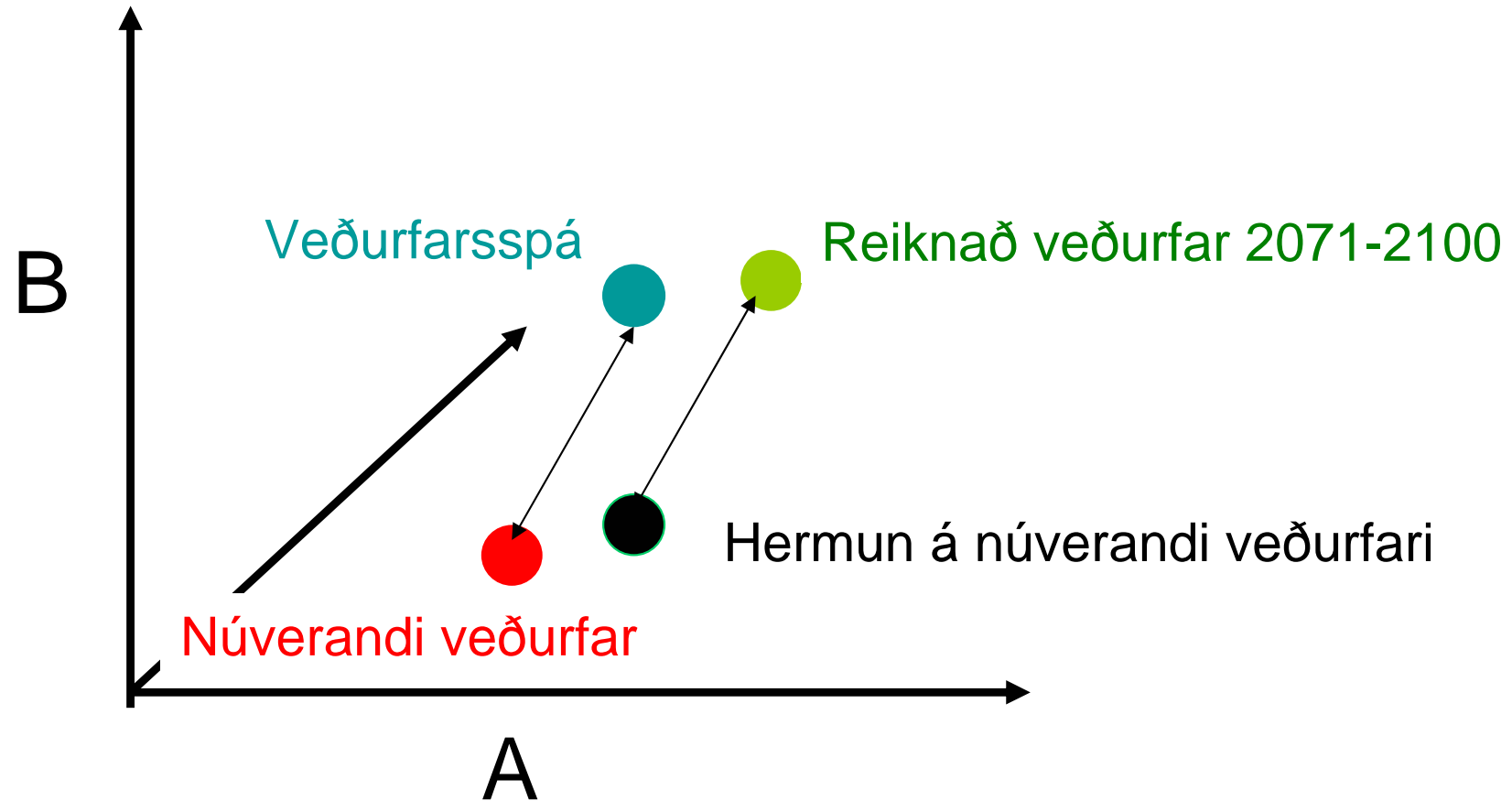
Reiar Kravik

Ólafur Rögnvaldsson

# Veðurfarsspár

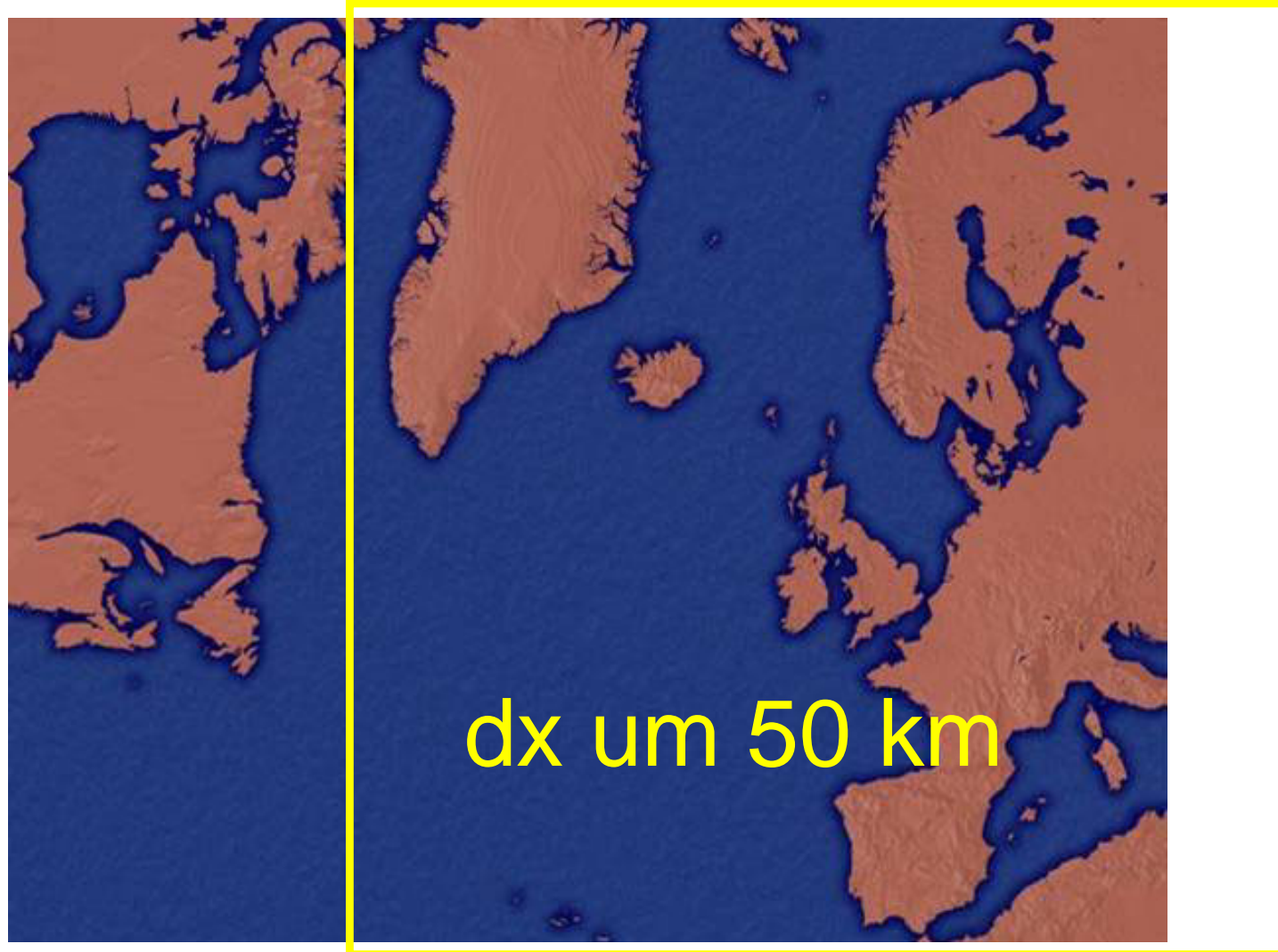


# Veðurfarsspá



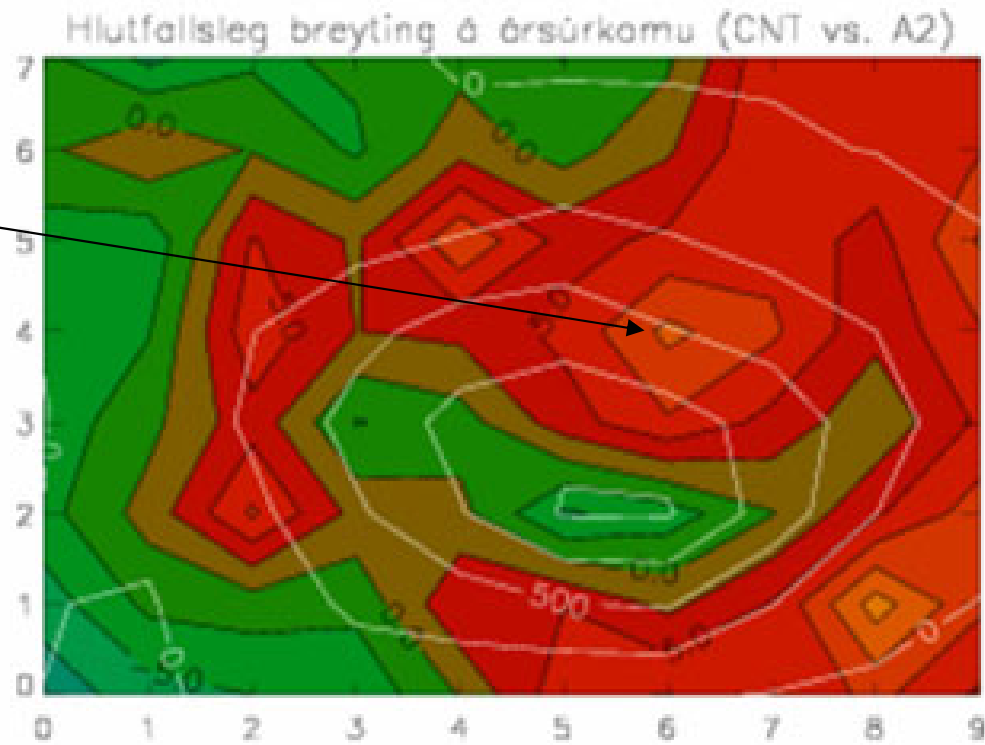
# Niðurkvörðun með HIRHAM / HadAm (A2 & B2)

(Haugen & Iversen / met.no)

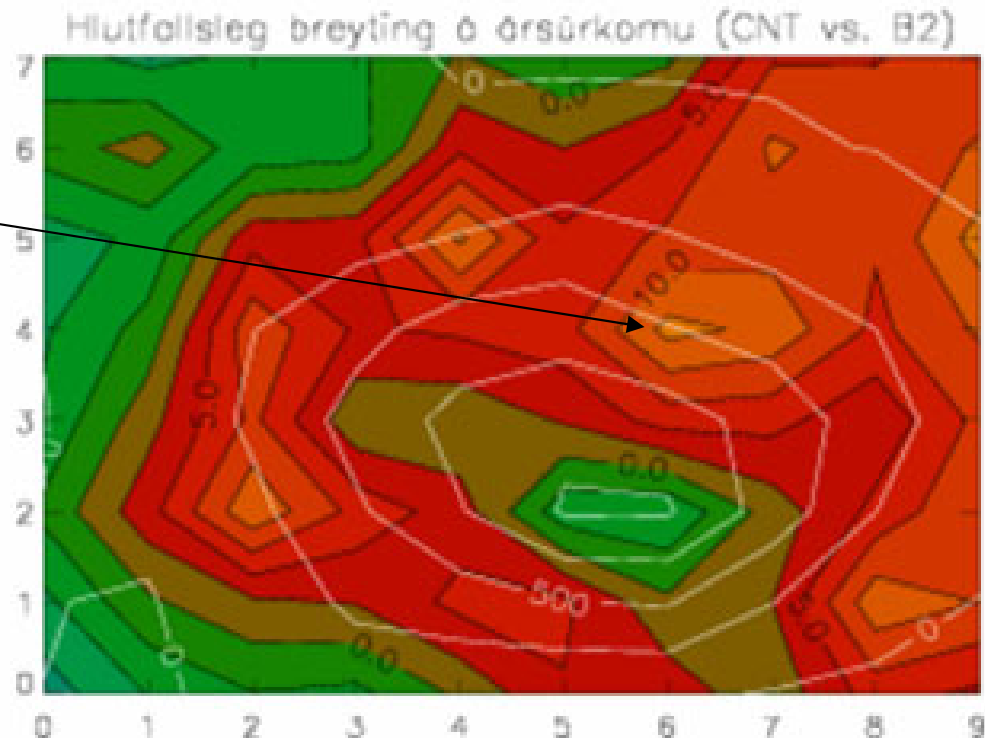


# 110 ára breyting á meðálúrkomu

10%



12%

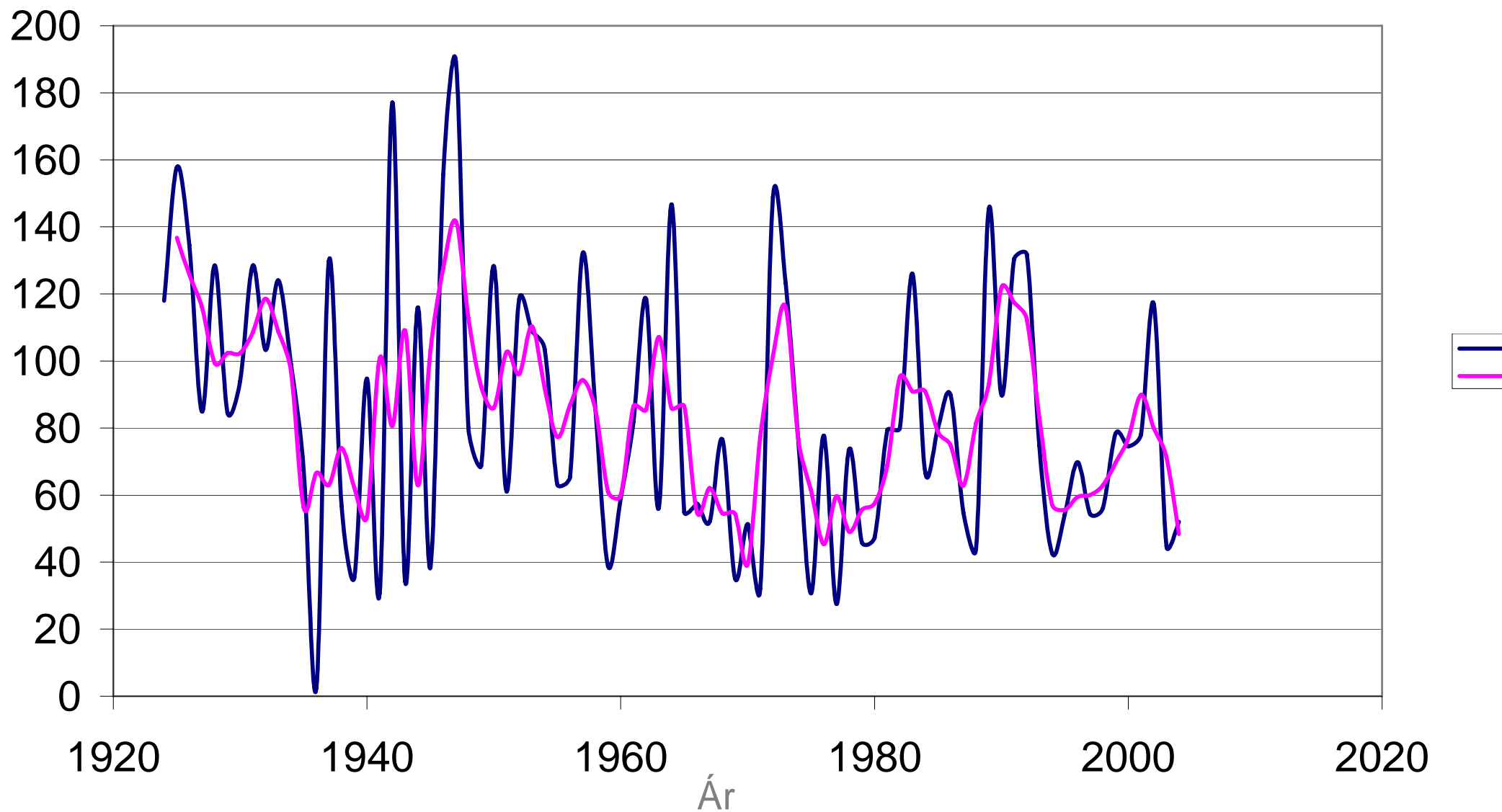


Ekki ýkja mikil breyting!

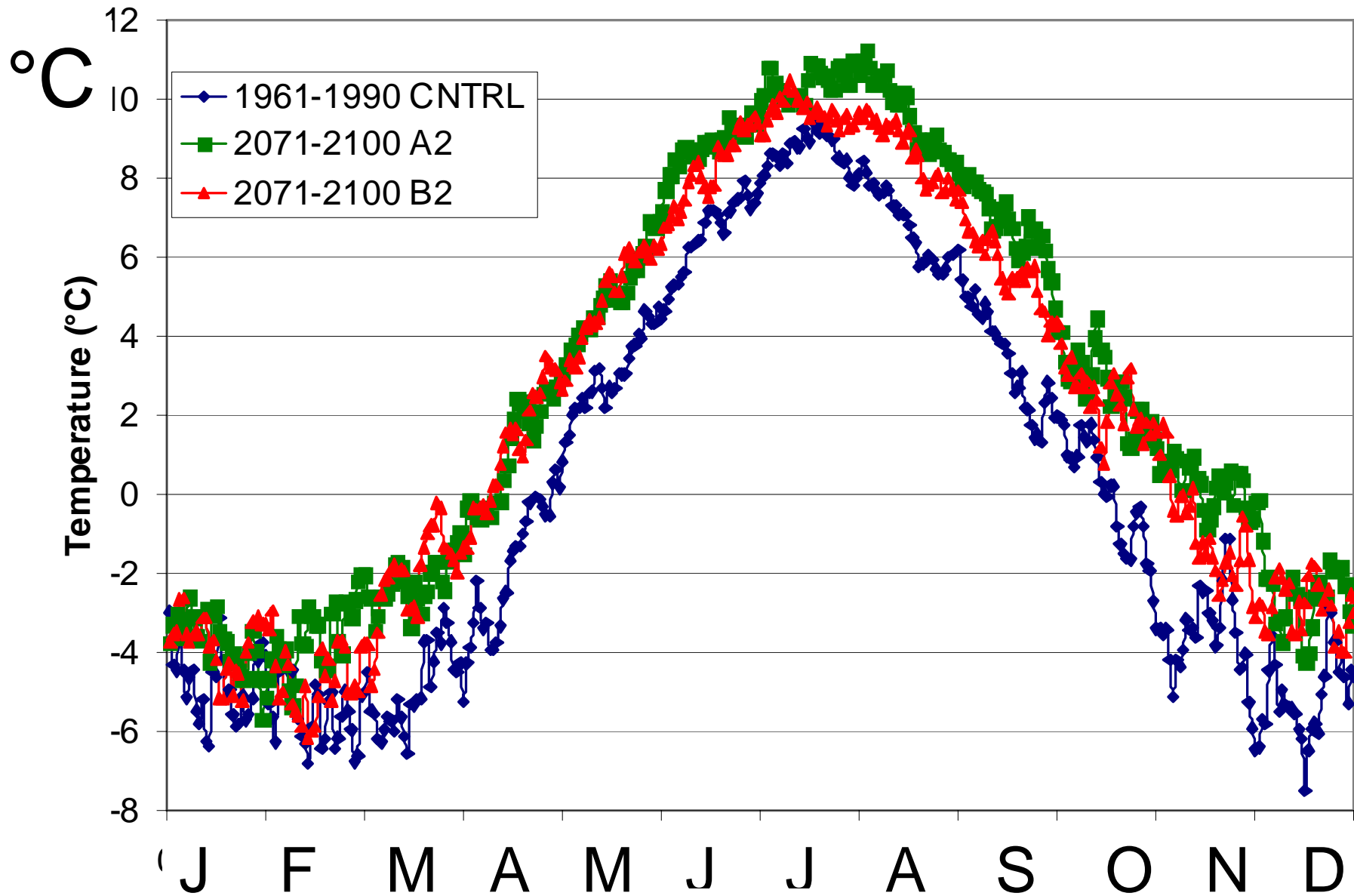
# Töluverðar sveiflur eru í úrkomu frá ári til árs

mm

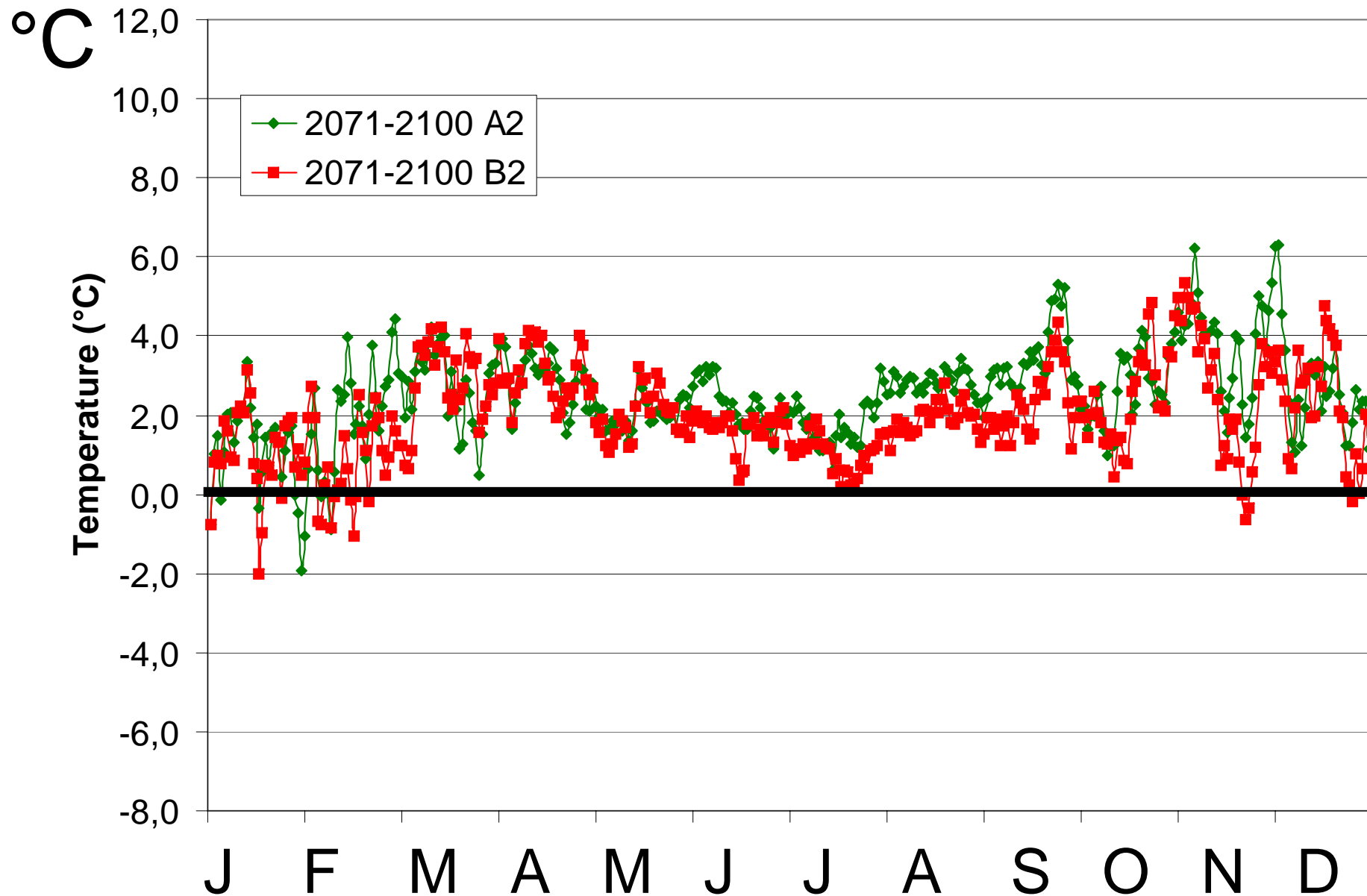
## Janúarúrkoma í Reykjavík



# Árstíðasveifla hita A2 & B2



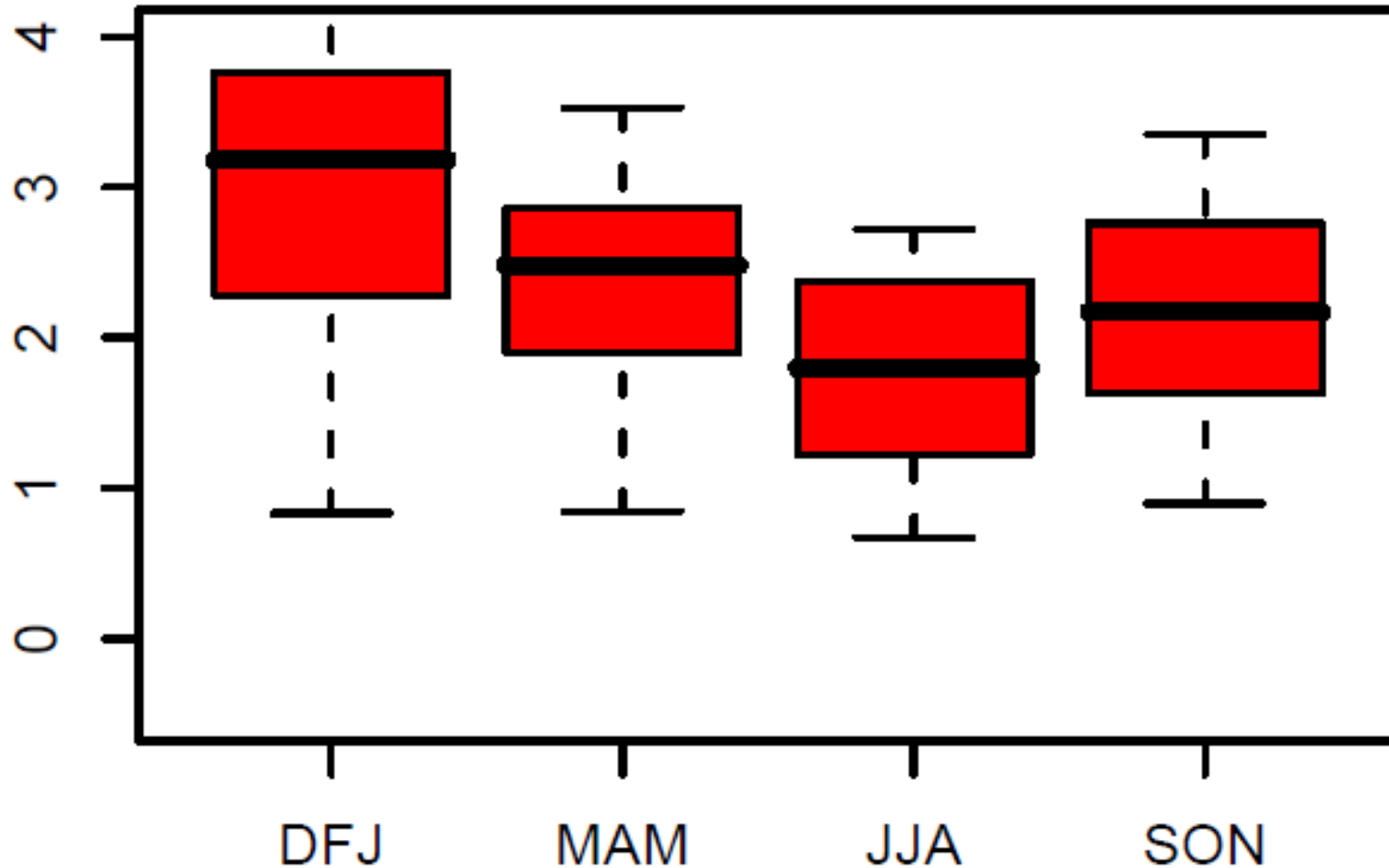
# Árstíðasveifla hitabreytingar á 21.öld A2 & B2





Samsafn margra (en ónákvæmra líkana):

## Hlýnun (°C) til 2091–2100 (A2)



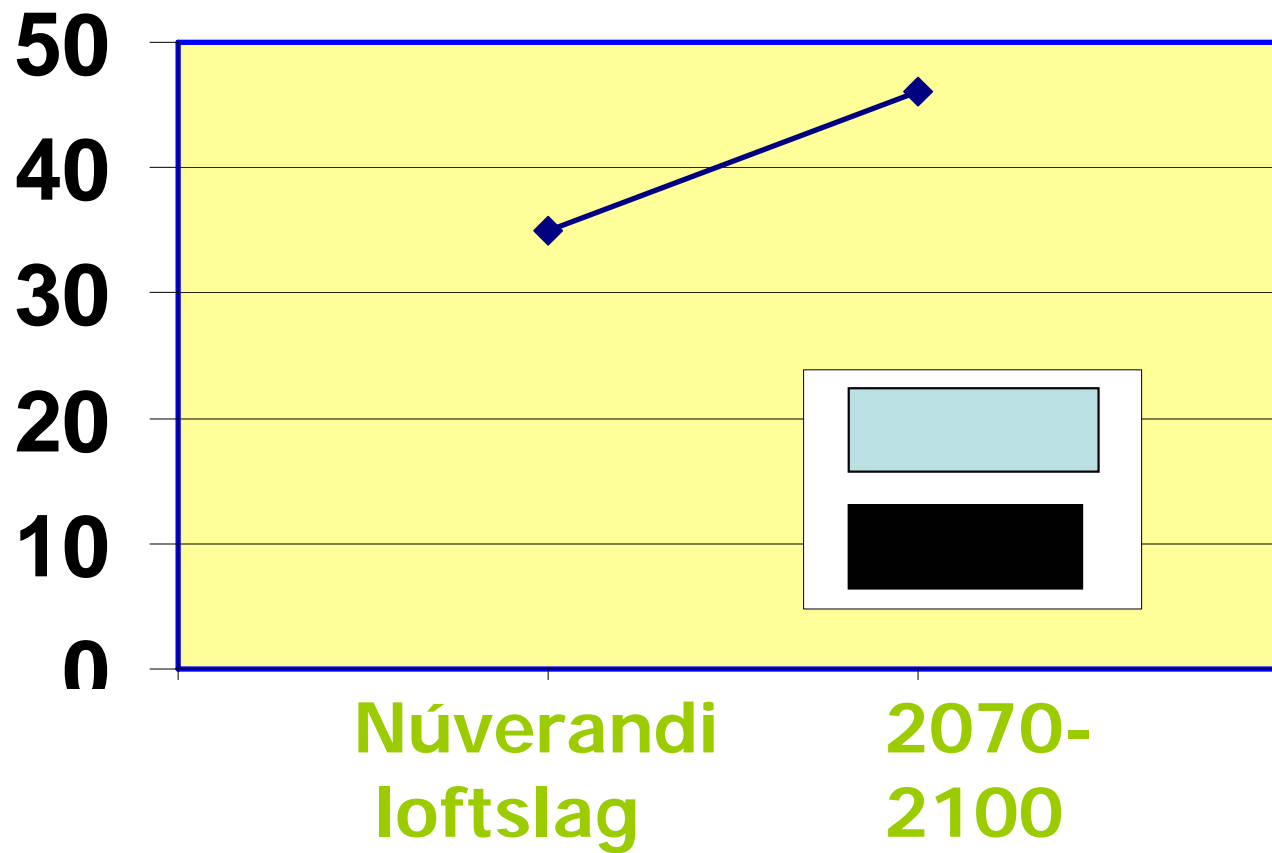
**Greinargerð umhverfisráðuneytis um veðurfarsbreytingar,**

(Halldór Björnsson o.fl., 2008)

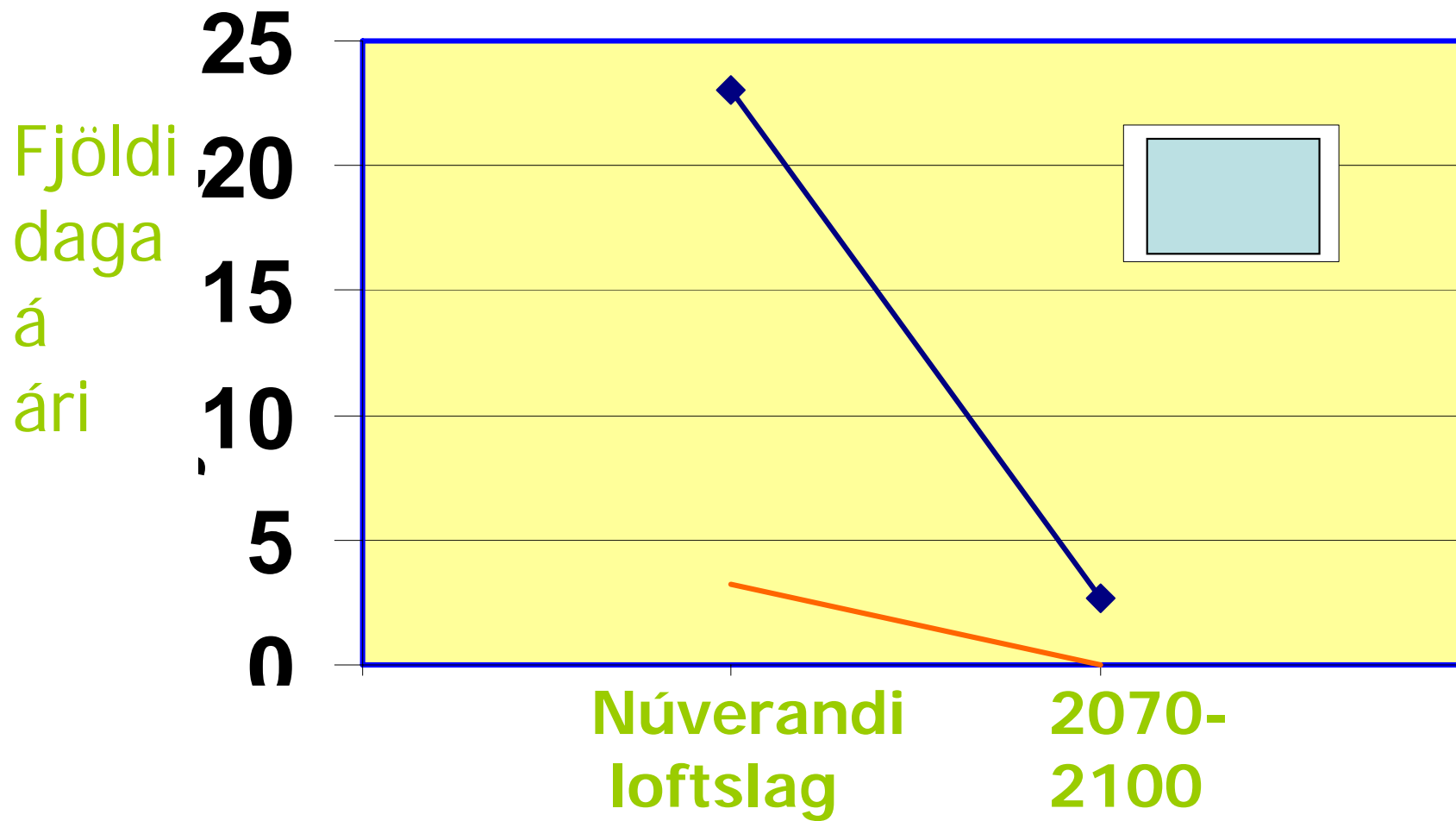
Atburðir

# Hlýir dagar

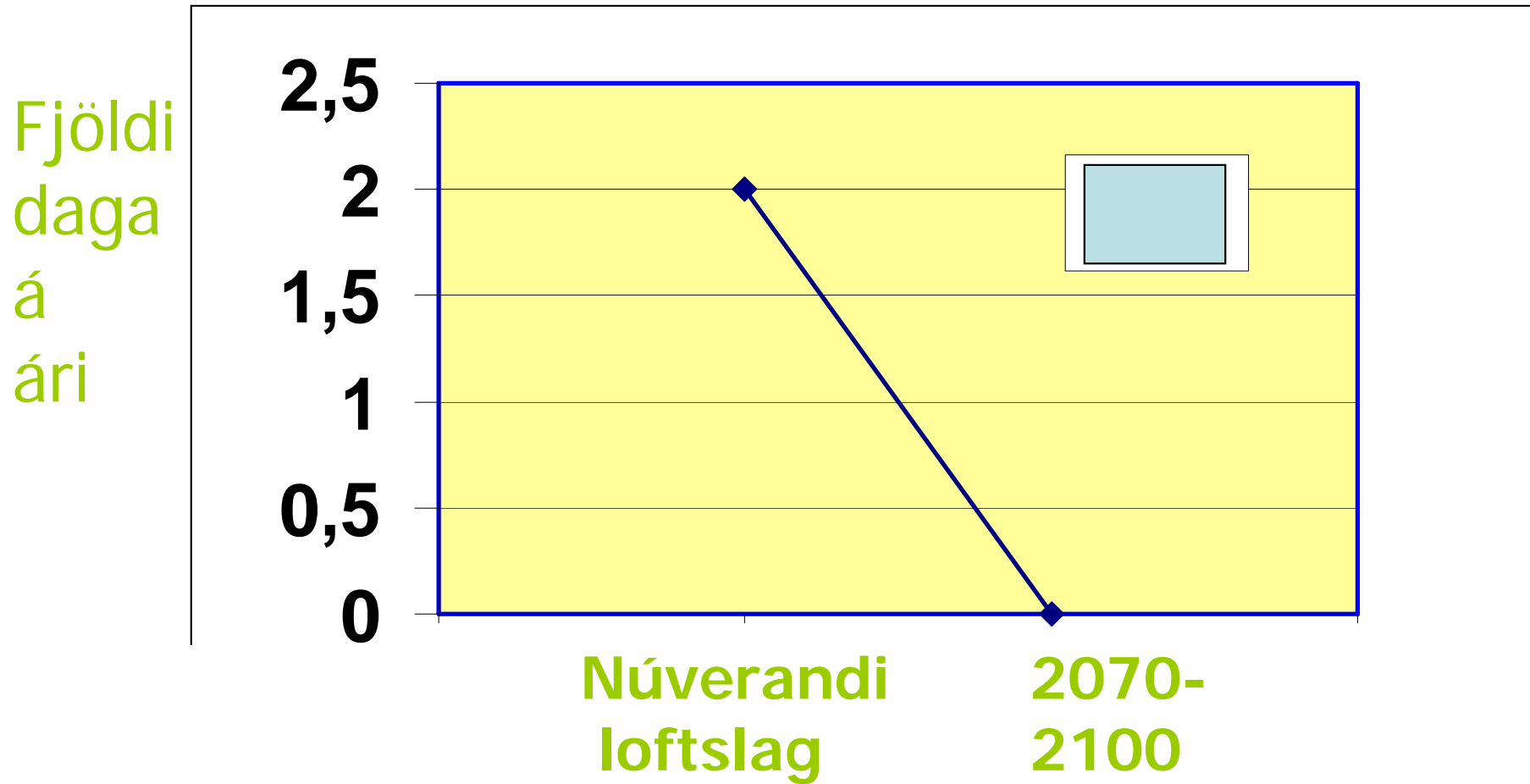
Fjöldi  
daga  
á  
ári



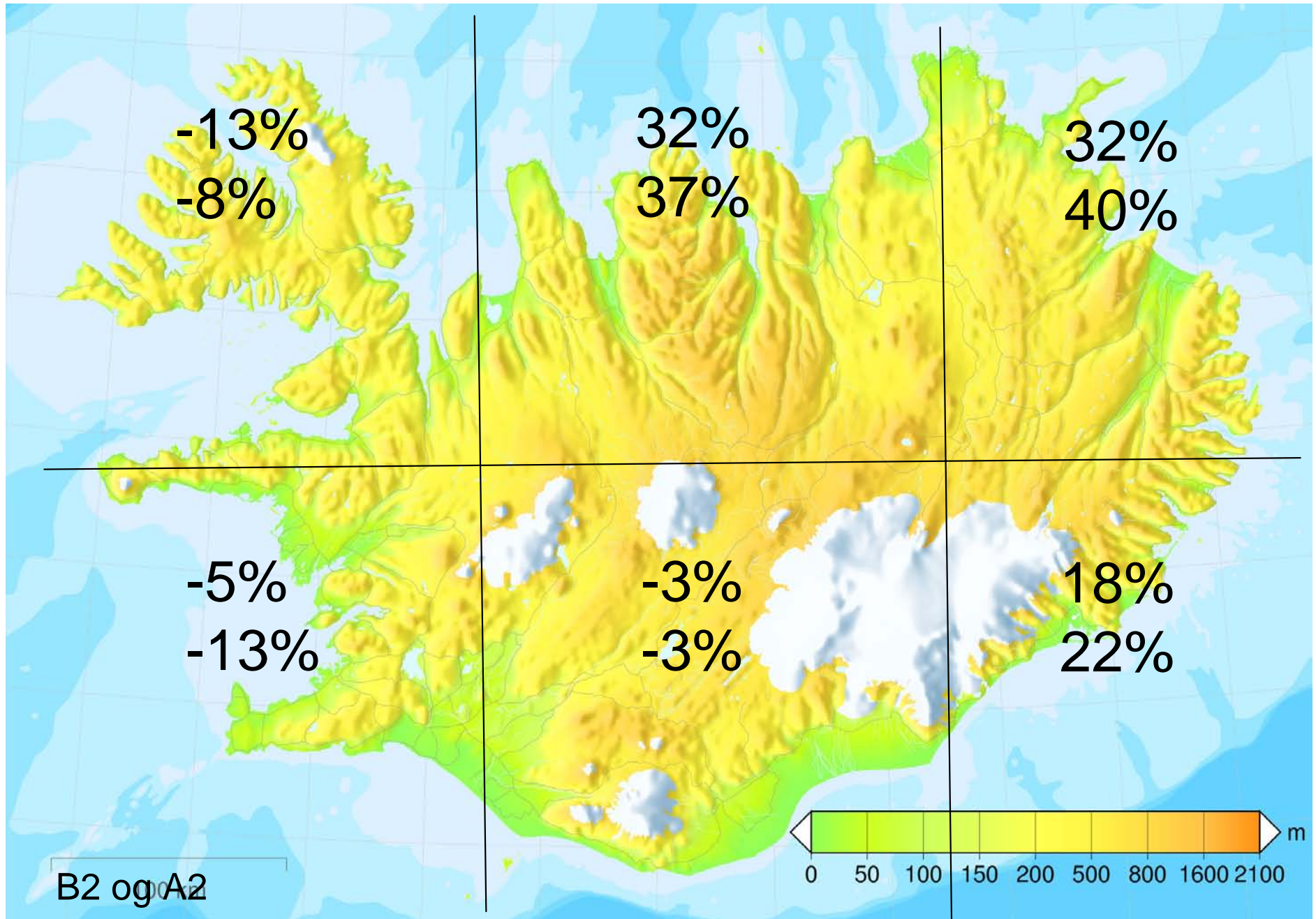
# Kuldaköst



# Kuldaköst í apríl og maí

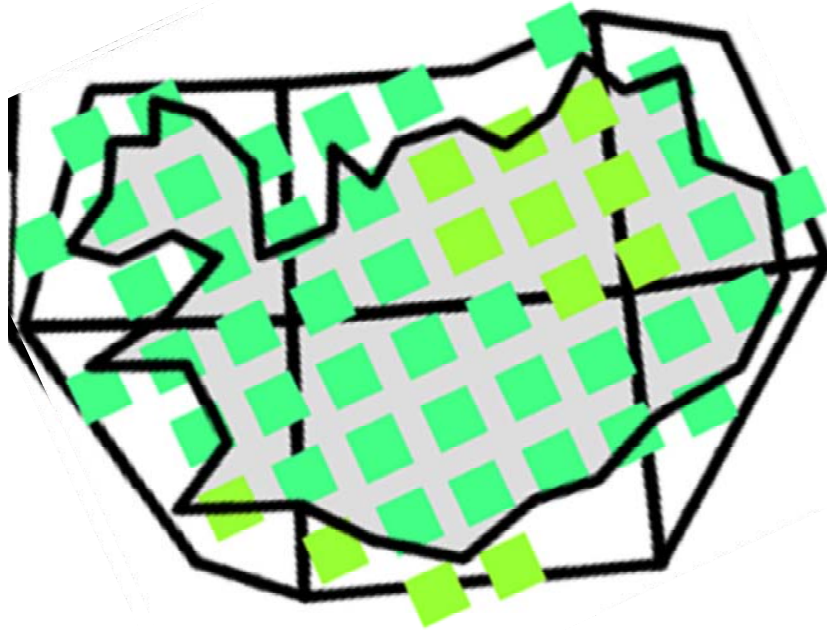


# Breyting á tíðni aftakaúrkomu að vetri á 21.öld (95% mörk)

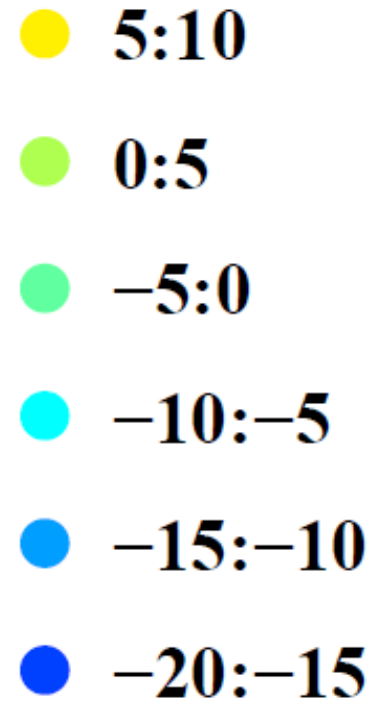
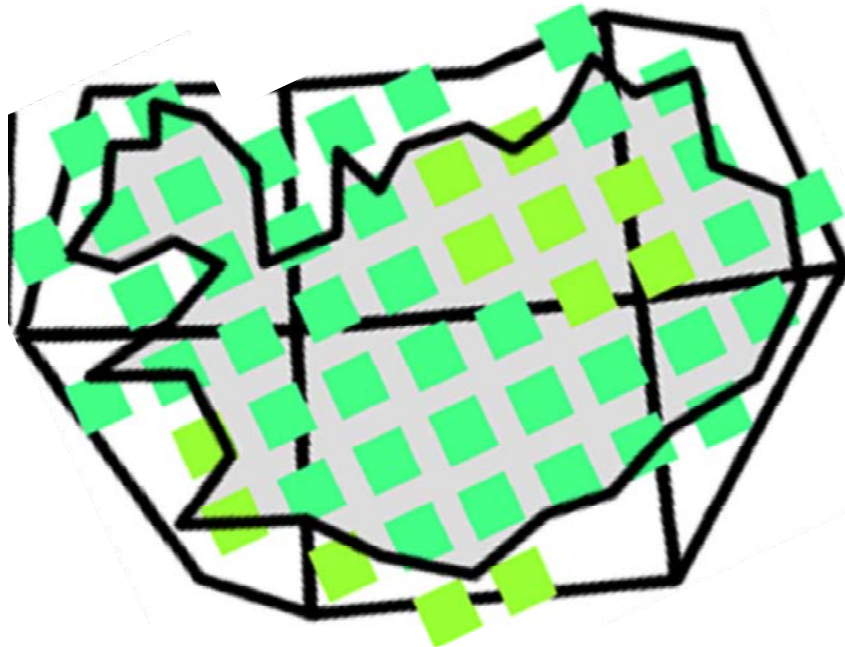


# Breyting á fjölda fannfergisdaga (95% mörk) **við sjávarmál**

B2



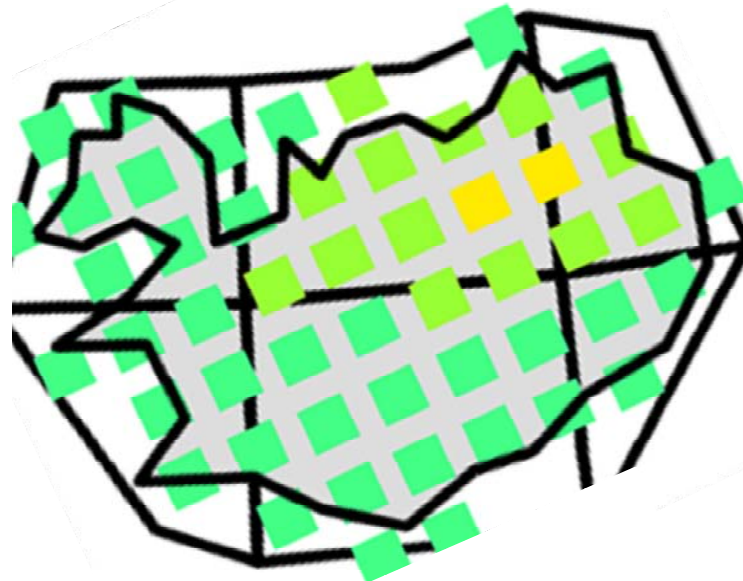
A2



Lítill breyting!

Breyting á fjölda fannfergisdaga (95% mörk) í 500 metra hæð yfir sjó

B2



● 5:10

● 0:5

● -5:0

● -10:-5

● -15:-10

● -20:-15

A2



Allnokkur fjölgun N- og A-lands

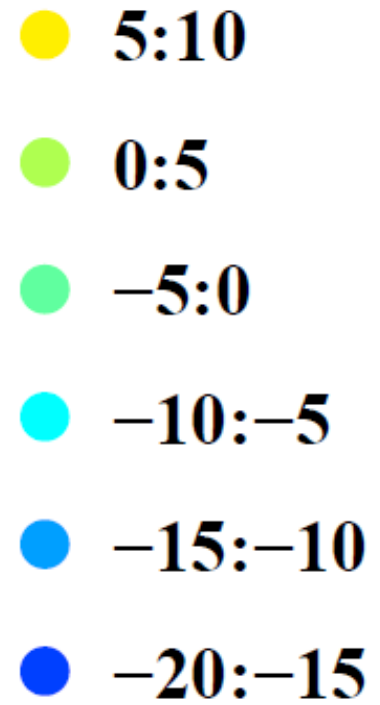


Breyting á fjölda fannfergisdaga (95% mörk) í 1000 metra hæð yfir sjó

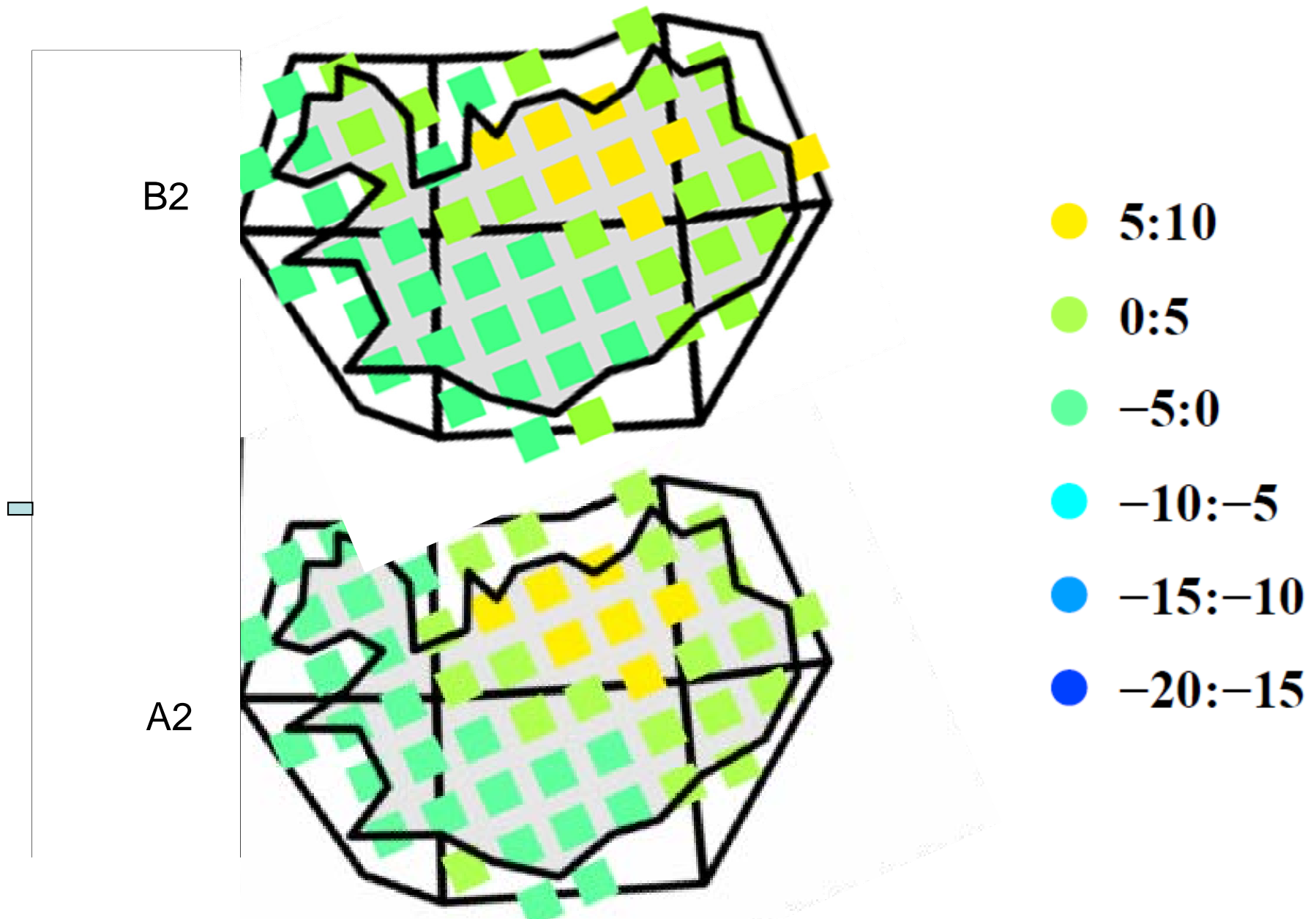
B2



A2

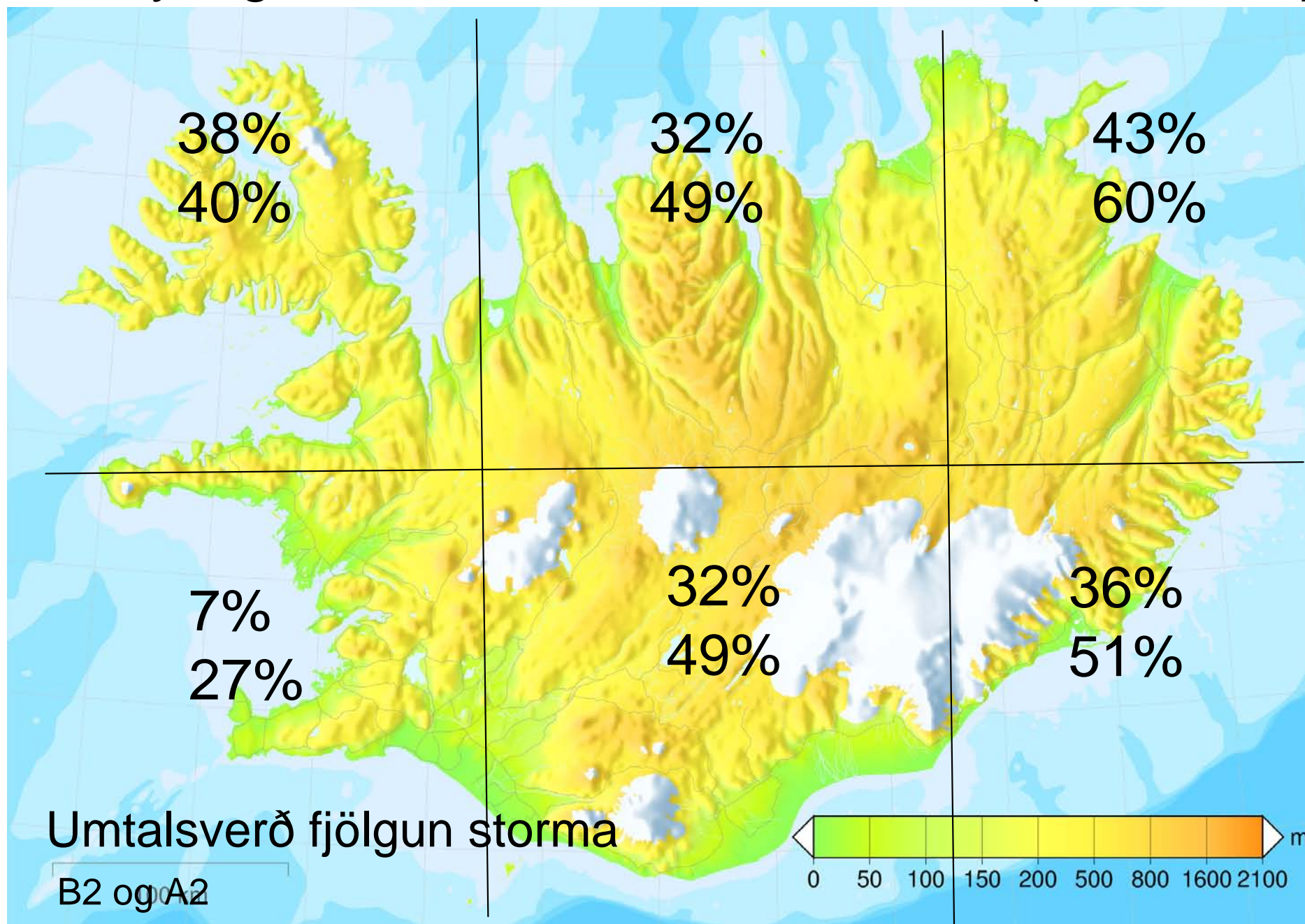


Breyting á fjölda fannfergisdaga (95% mörk) í **1500 metra hæð yfir sjó**



Töluverð fjölgun N- og A-lands

# Breyting á tíðni vetrarstorma á 21.öld (95% mörk)



# Helstu atriði

- Spá fyrir 21. öld:
  - Aftakaúrkomudögum að vetrarlagi fjölgar N- og A-lands
  - Stormum fjölgar um allt land, síst þó SV-lands
  - Kuldaköstum fækkar töluvert – frostdögum fækkar
  - Fannfergisdögum fækkar ekki við sjávarmál og fjölgar töluvert til fjalla N- og A-lands

# Næstu skref

- Reikna fleiri vísa (ísing, snjóflóð o.s.frv.)
- Kanna fleiri reiknilraunir
- Næstu misseri/ár:
  - Reikna í mjög þéttu neti nokkur ár
  - Útbúa safn vísa úr safni reiknilrauna