



HAVSTOVAN
FAROE MARINE RESEARCH INSTITUTE

Veðurlagsbroytingar og lívið í havinum

Sólvá Jacobsen

Veðurlagsdagur 23.04.2026

Sjóvarhiti (°C)

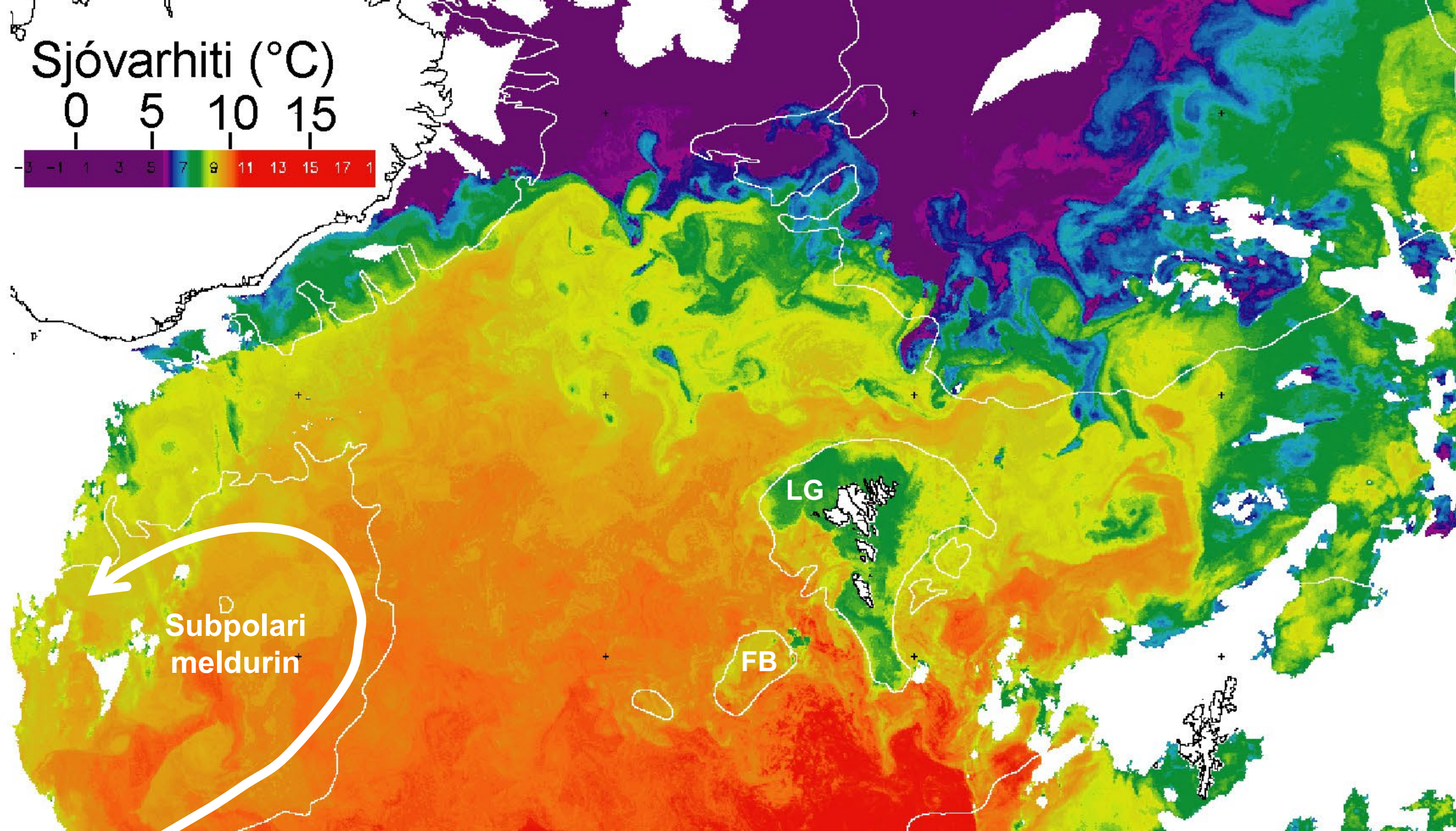
0 5 10 15



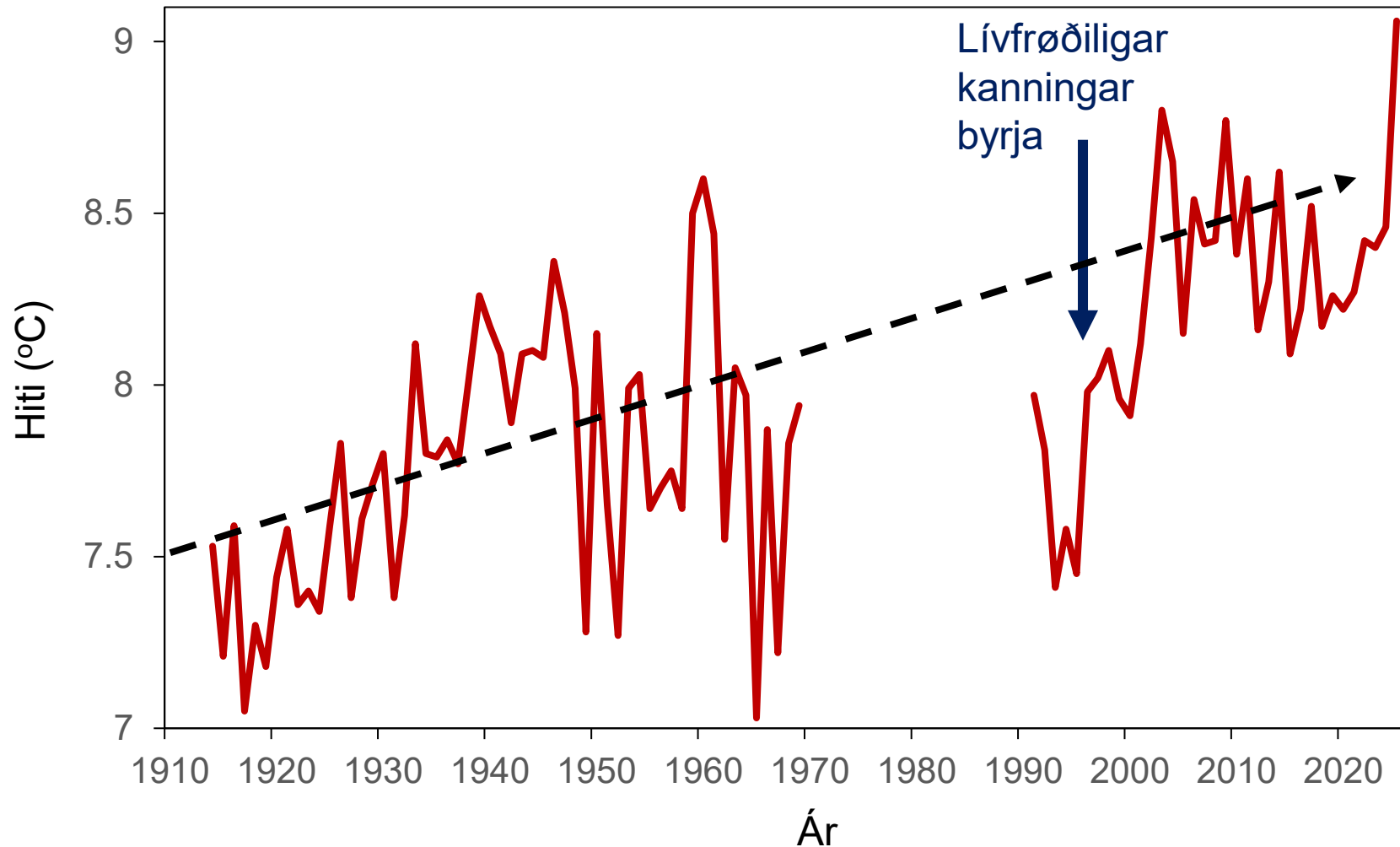
Subpolari
meldurinn

LG

FB

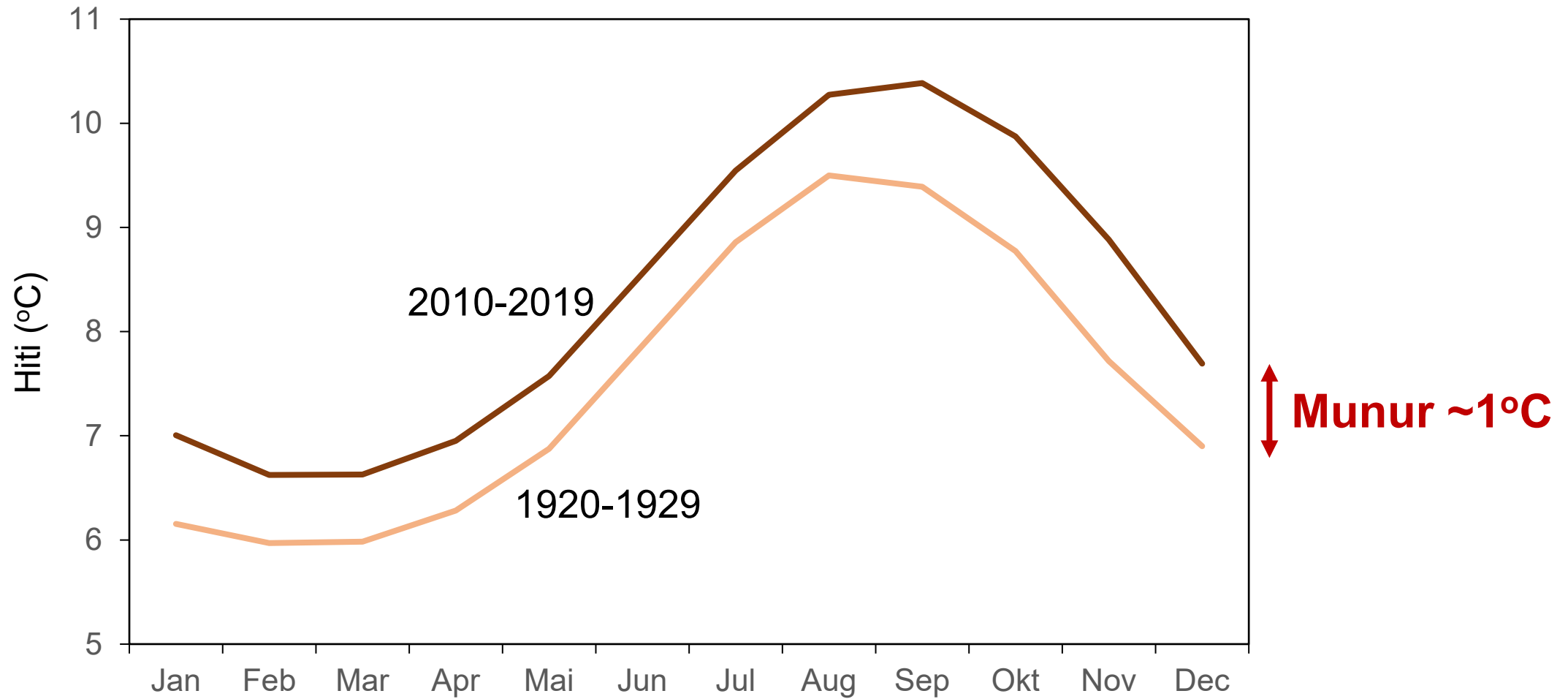


Hitin á Landgrunninum



**Met heitt
2025**

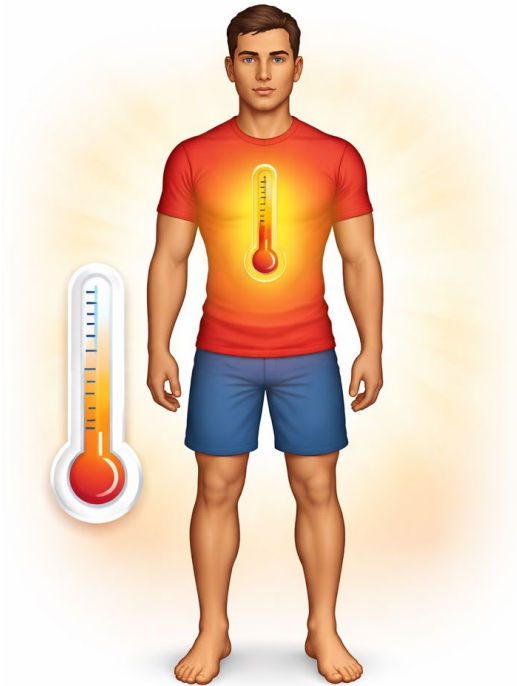
Hitin á Landgrunninum



Hitastýring hjá djórum

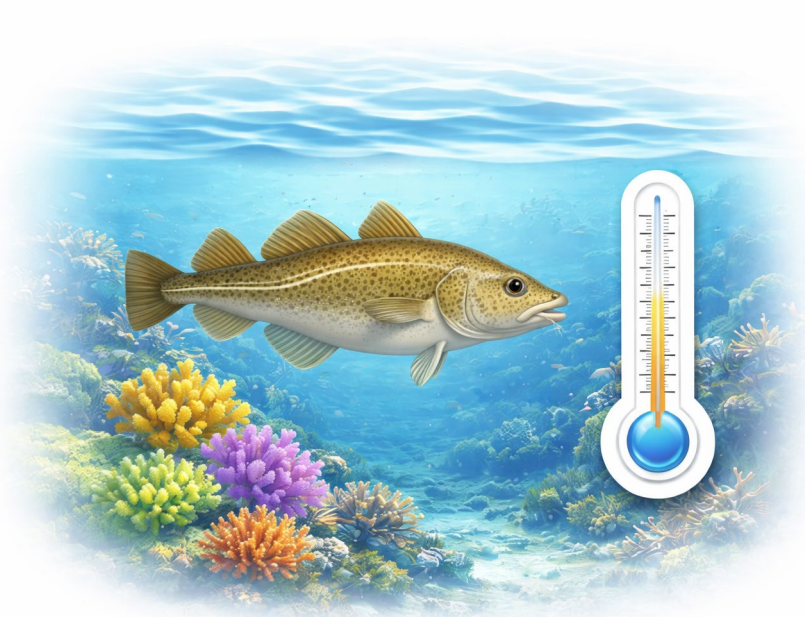
Endotermar

Kropshitin støðugur



Ektotermar

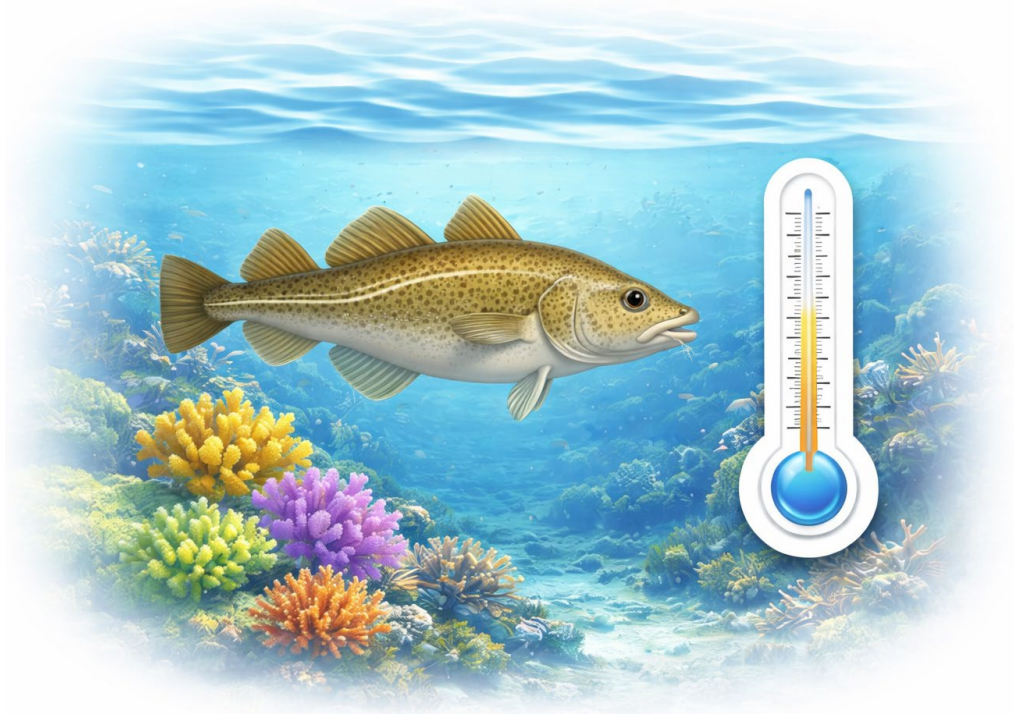
Kropshitin fylgir umhvørvinum



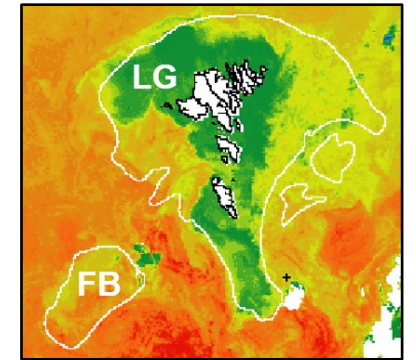
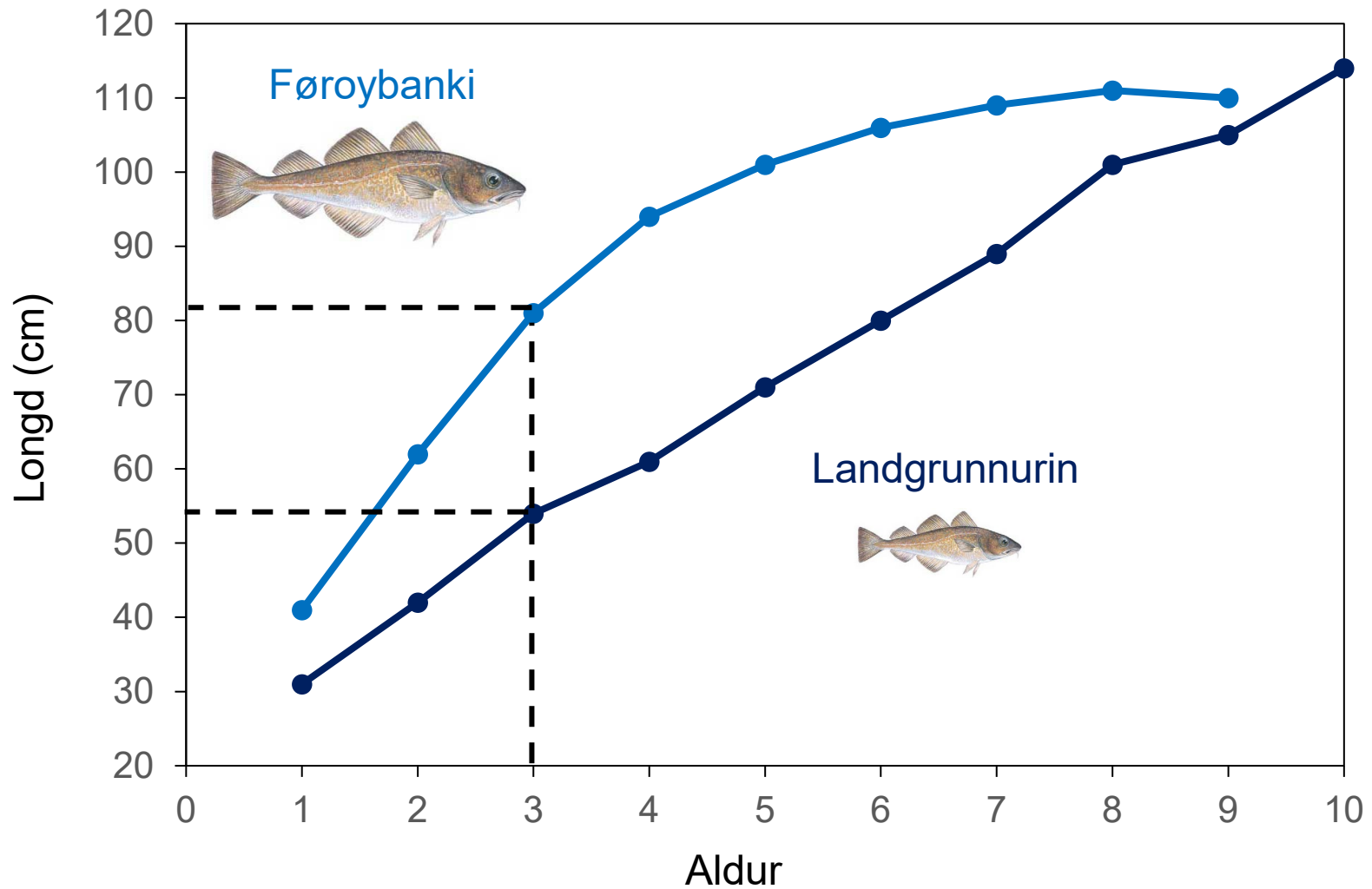
Ektotermar

Lívið verður ávirkað av hita:

- evnaskifti
- vøkstur
- búning
- yvirlivilsí







Toskastødd við høgum og lágum hita



Ektotermar hava eitt hita-optimimum

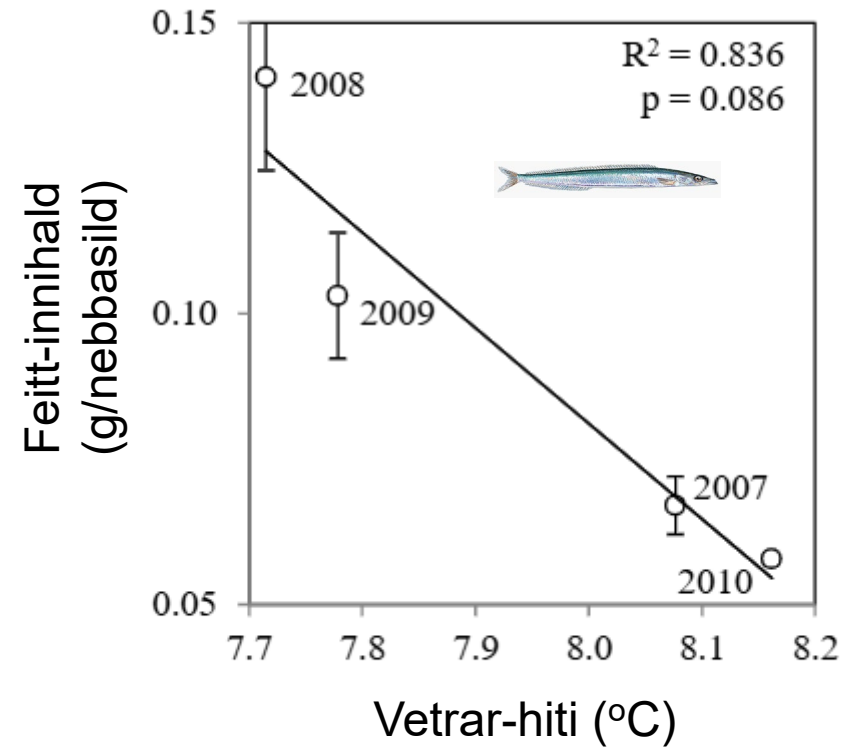


Slag	Hóskandi hiti	Strongd	Kritiskt mark	Vetrar-dvali
Reyðæti 	6-10°C	10-11°C	12-14°C	0-4°C
Toskur 	4-10°C	12-14°C	18-20°C	
Hýsa 	6-12°C	14-15°C	18-20°C	
Nebbasild 	5-9°C	10-12°C	16-18°C	4-7°C

OBS: fiskalarvur hava eitt smalari hita-optimimum

Feitt-innihald í nebbasild og hiti

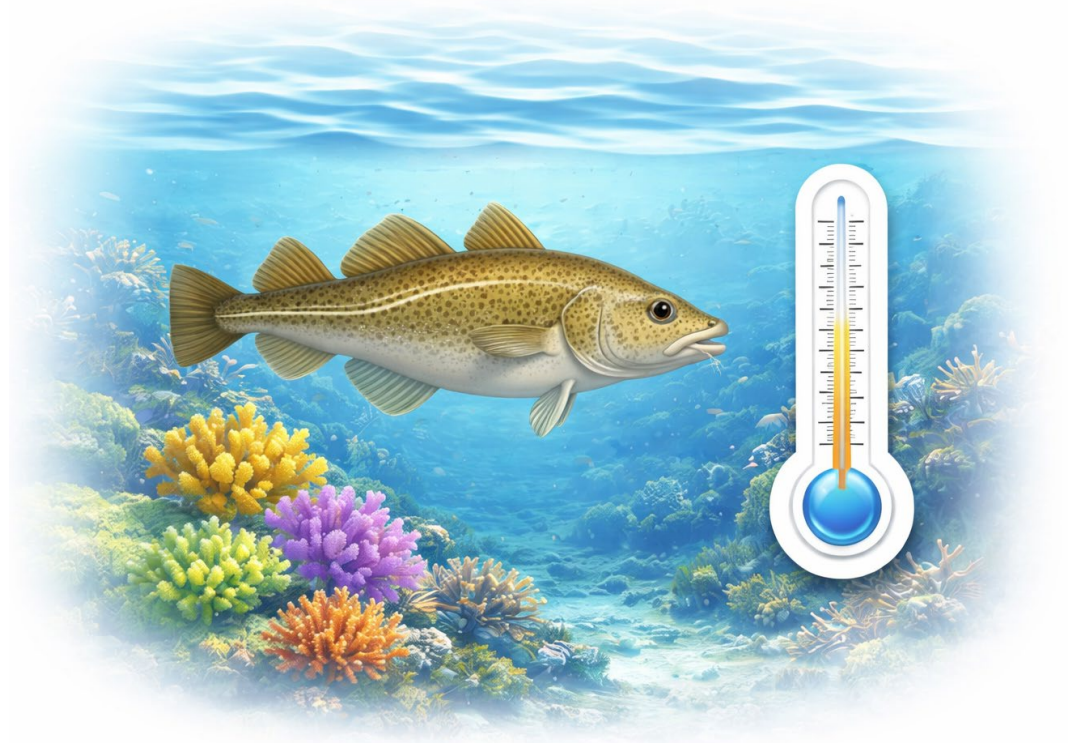
Nærkast nebbasildin sínum ovara hita-marki?



Eliassen 2013

Hvat gera djór í havinum, tá hitin økist?

1. Flyta seg til kaldari økir
2. Broyta 'timing'

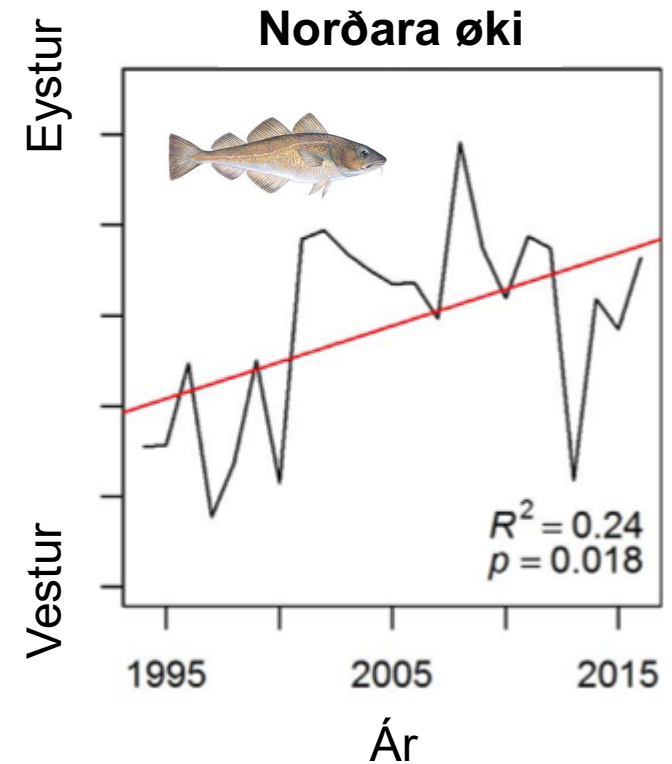
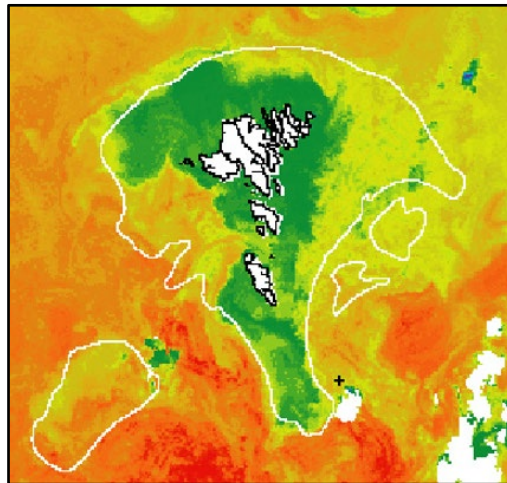
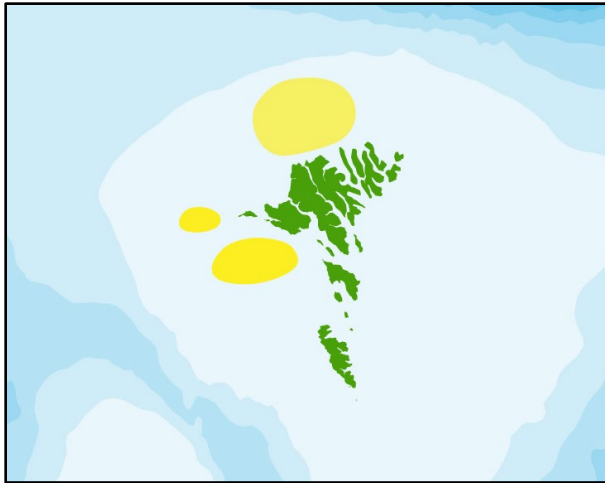


Gýtingarøkir hjá toski á Landgrunninum



Hevur toskur flutt gýtingingarøkir?

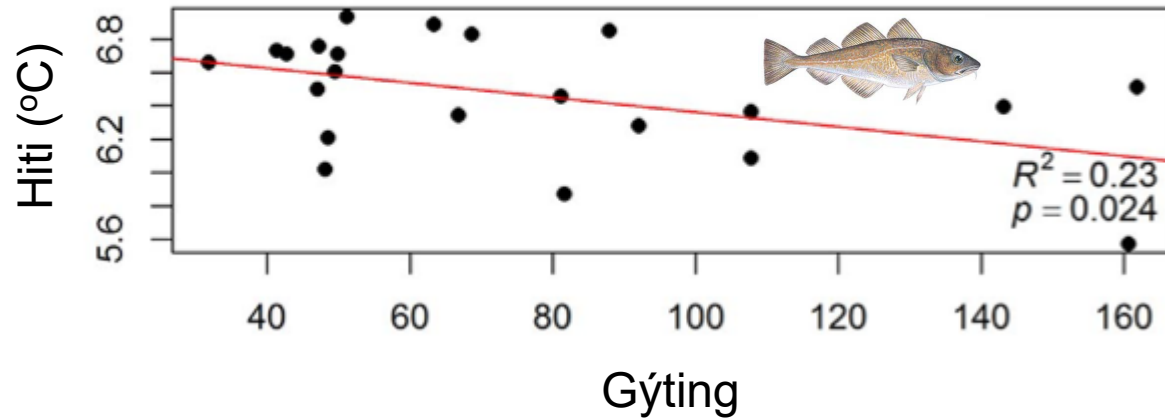
Ja, í norðara økinum er gýtingin flutt eystureftir



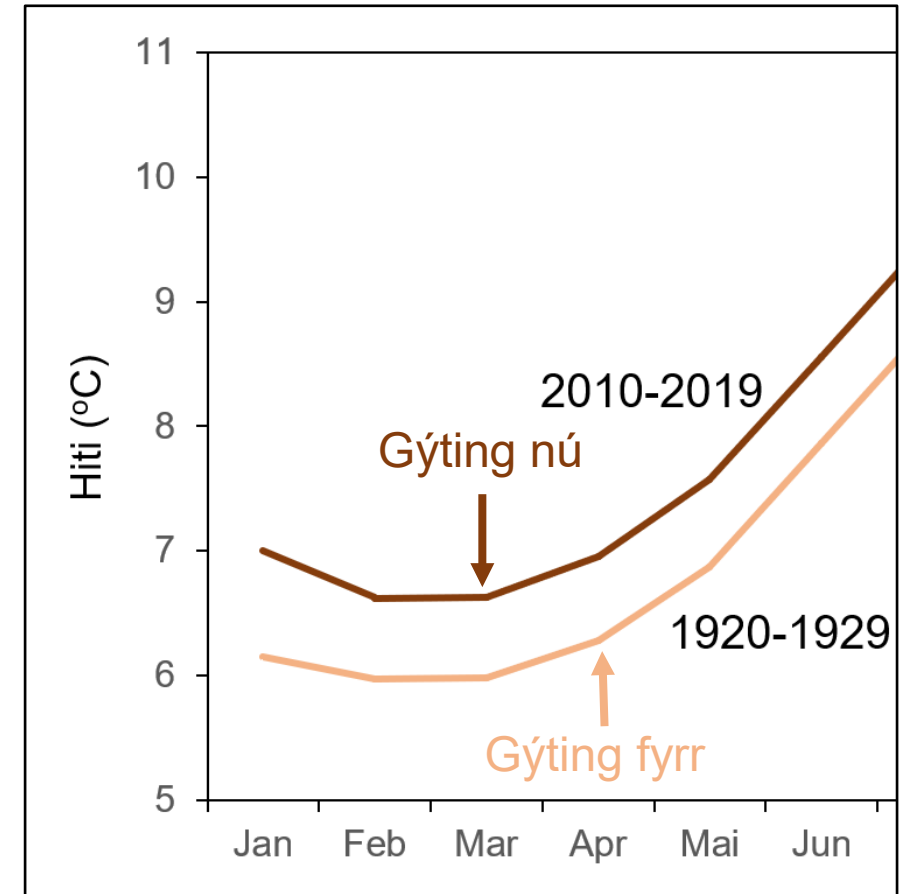
Ottosen et al. 2018

Gýtir toskur fyrr upp á árið?

Ja, og tað skyldast øktan hita



Ottosen et al. 2018





Toskalarva

Ungar frá
reyðæti

Egg frá
reyðæti

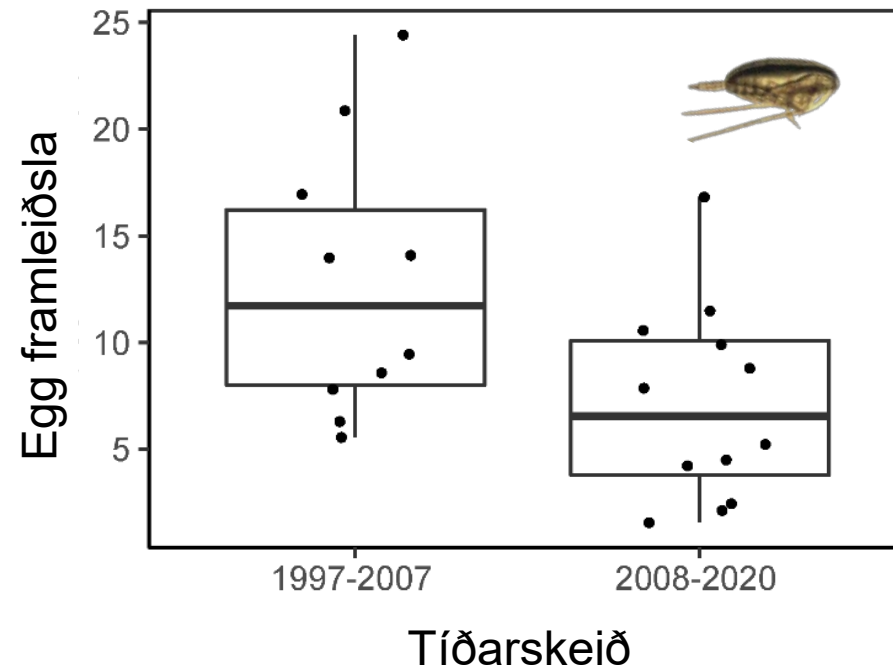
Nebbasildalarva

Reyðæti
frá í fjør

Fiskalarvur stutt eftir kleking í apríl
og ymiskt djóraæti

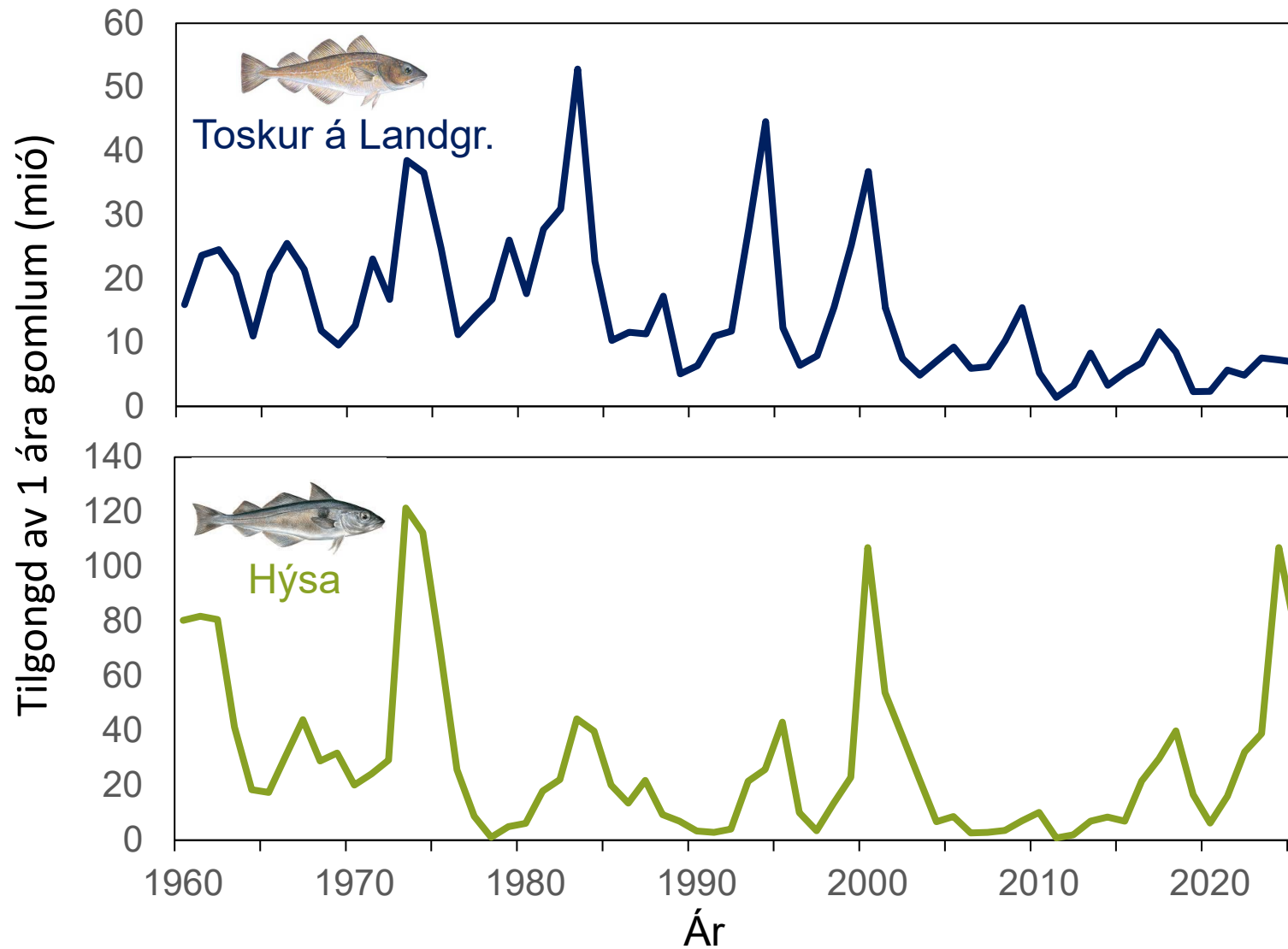
Er gýtingin hjá reyðæti broytt?

Ja, hon er minkað síðst í apríl, men tað er óvist, hví so er



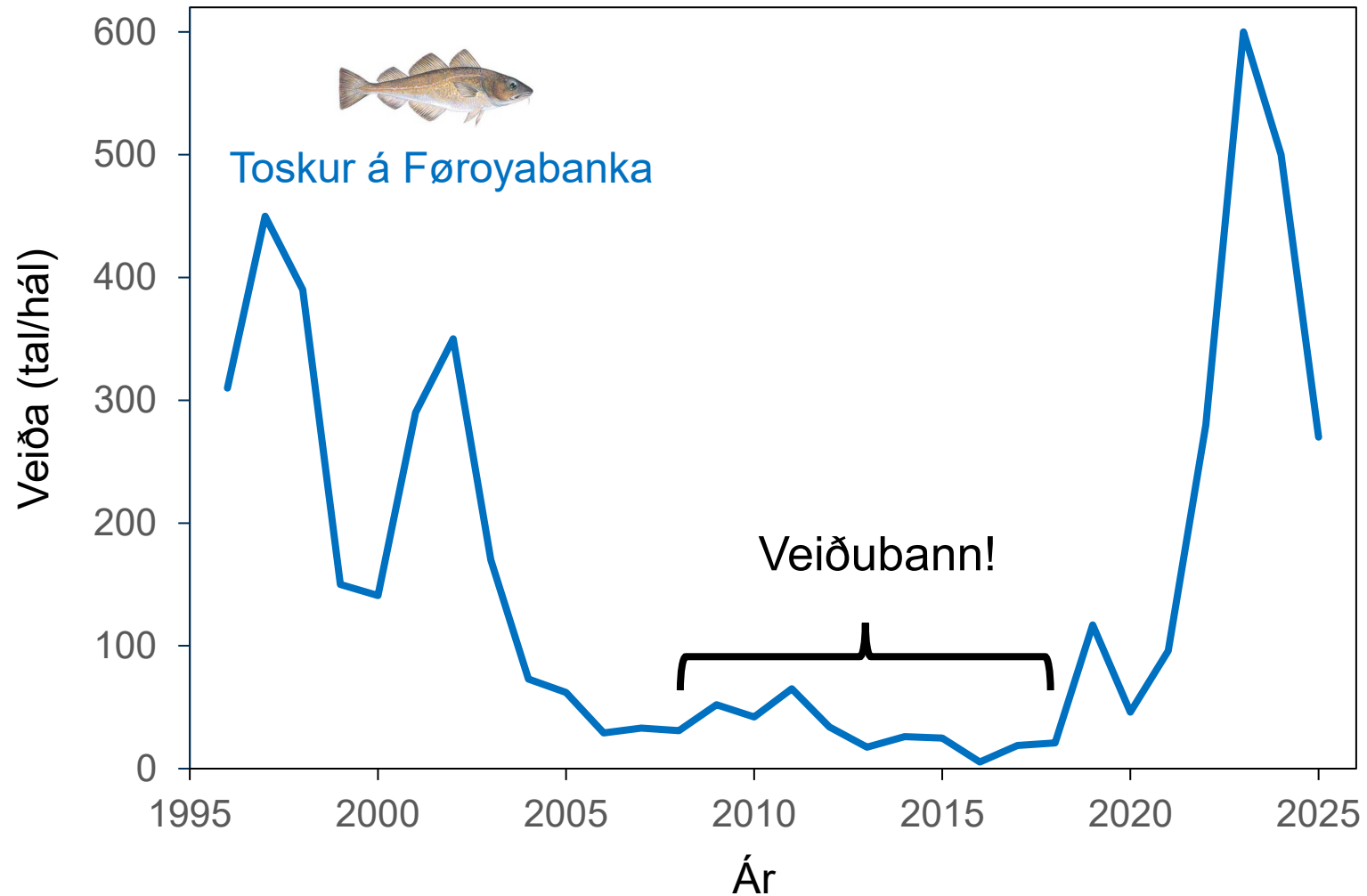
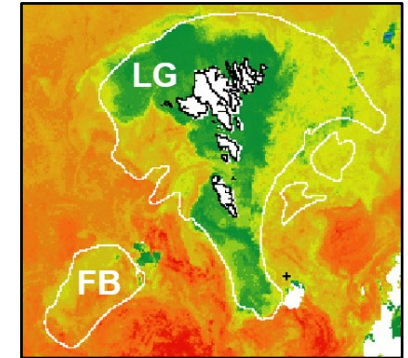
Jacobsen et al. 2022

Tilgongd til fiskastovnarnar

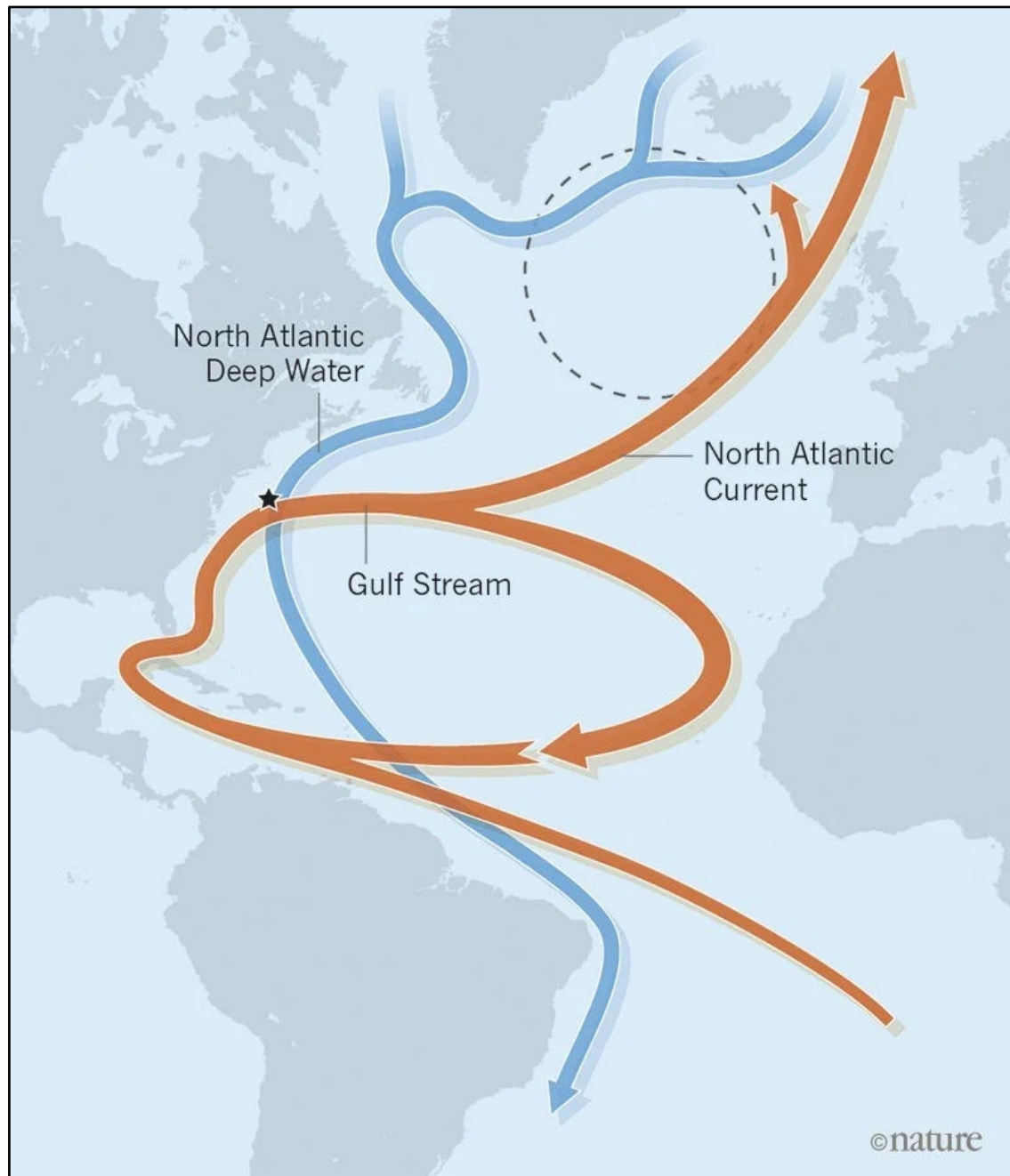


Tolir hýsan betri
økta hitan?

Toskur á Føroyabanka



Fer hitin framhaldandi at hækka?



Niðurstøður og útlit

- Grundað hitaøking, hevur toskur á Landgrunninum flutt gýtingarøki og gýtir fyrr
- Gýtingin hjá reyðæti í apríl er minkað
- Langar tíðarrøðir og yvirvøka eru neyðugar fyri at fylgja gongdini, og staðfesta sambond ímillum hitabroytingar og lív í havinum

A photograph capturing a whale's tail as it breaches the ocean's surface. The tail is dark and curved, with a large splash of white water trailing behind it. In the upper left corner, a seagull is captured in flight, its wings spread. The ocean is a deep blue with visible ripples and small waves. A dark blue rectangular box is overlaid on the left side of the image, containing the text 'Takk fyri' in white.

Takk fyri