

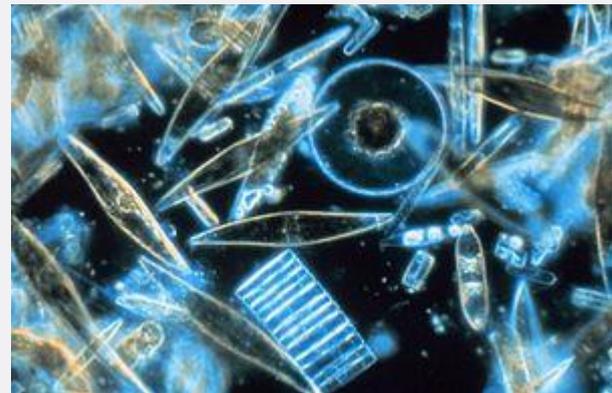
Mikroalgur

Aliráðstevnan
28. februar 2020

Ása Jacobsen
Fiskaaling

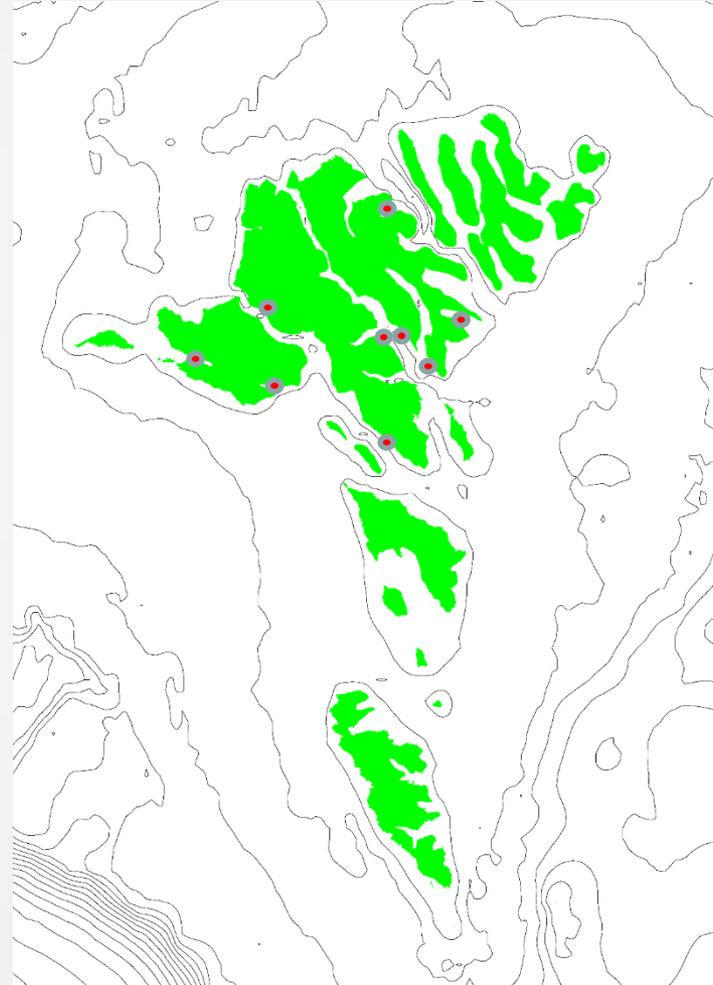
Mikroalgur

- Mikroalgur eru einkyknaðar verur í sjógvi og vatni
- Nevnist eisini plantuæti - nýta sólarljós og tøðsølt at vaksa
- Skipaðar kanningar av skaðiligum mikroalgum á alifirðum
- Tílik yvirvøka kann nýtast av alifeløgum í dagliga arbeiðnum
- Gevur innlit í vistskipanina, so vit skilja betur einhvørja hending og kunnu vera meira framsíggjin



Luttøka 2019

- Hiddenfjord
 - Sørvágur
 - Miðvágur
 - Vestmanna
 - Velbastaður
- Bakkafrøst
 - Kolbeinagjógv
 - Lambavík
 - Undir Síðu
 - Undir Neslandinum
- MOWI
 - Oyndarfjørður



Logistikkur

- Týdningarmikið
 - Fastar mannagongdir fyri sýnistøku
 - Regluligar sýnistøkur
 - Samskipan

Sjógvsýni tikin
hvørja viku

Kanningar á iNOVA

Úrslit send út

Mánadagur

Fríggjadagur

Útvaldar mikroalgur

- **HAB sløg, sum finnast um okkara leiðir**
- **Alexandrium catenella**
- **Alexandrium tamarense**
- **Fibrocapsa japonica**
- **Heterosigma akashiwo**
- **Karenia mikimotoi**
- **Karlodinium veneficum**
- **Phaeocystis pouchetii**
- **Prymnesium parvum**
- **Pseudochatonella farcimen**



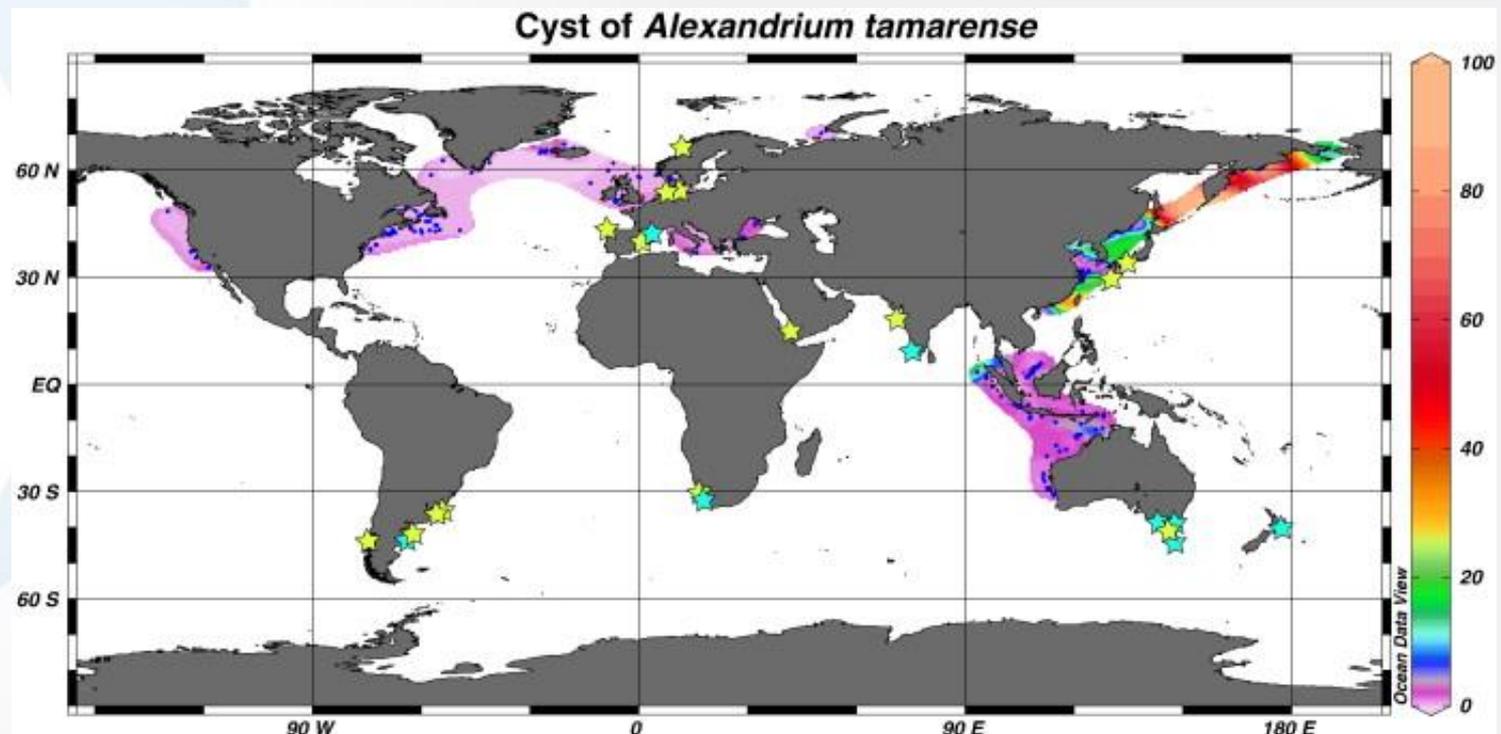
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Alexandrium tamarense

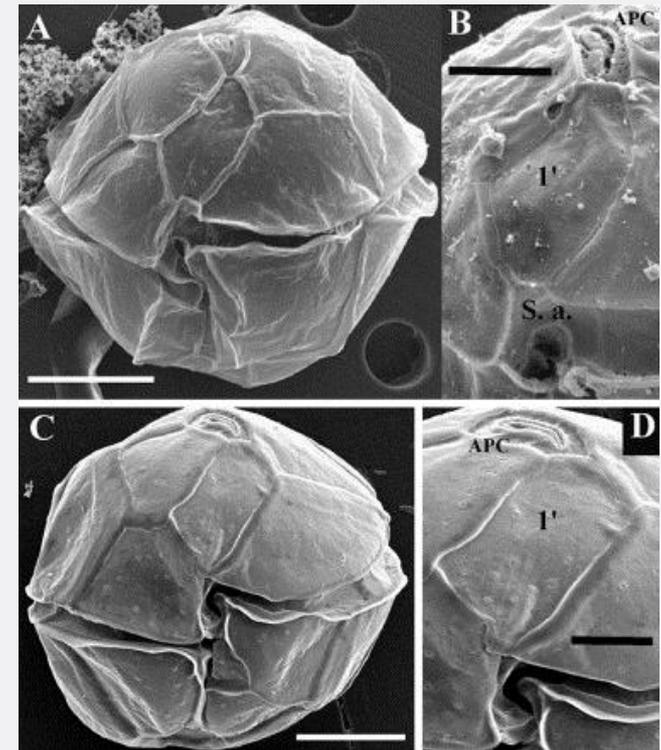
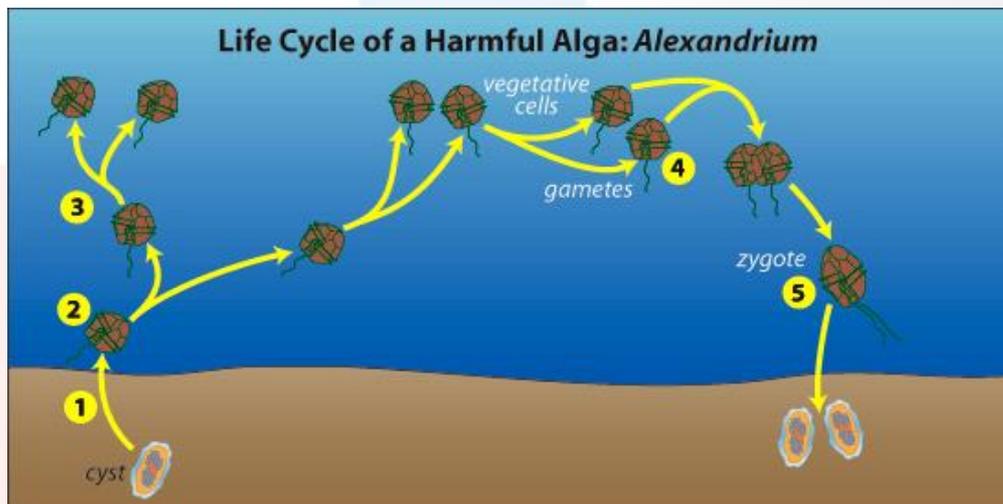
- Kend um okkara leiðir
- Toksisk - Ger neurotoksinir
- Hevur gjørt skaða í Føroyum áður



Zonneveld *et al.* 2013. *Review of Palaeobotany and Palynology* 191, 1-197.

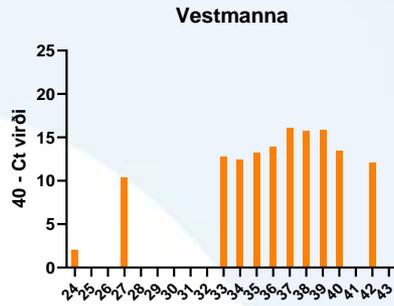
Alexandrium tamarense

- Torført at skyna millum summi Alexandrium sløg
- qPCR vælegnað
- Dinoflagellate -> svimur
- Cystir leggjast í sedimentið

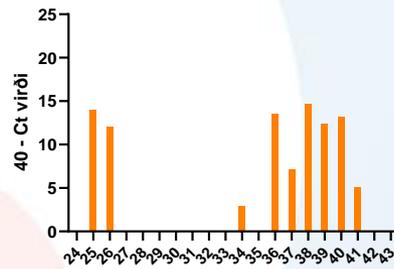


Borkman *et al.* 2014. *Harmful Algae* 32, 73-80.

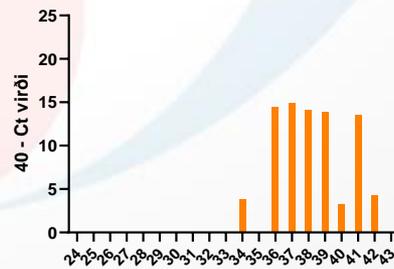
Alexandrium tamarense



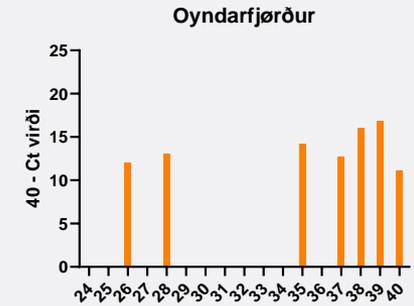
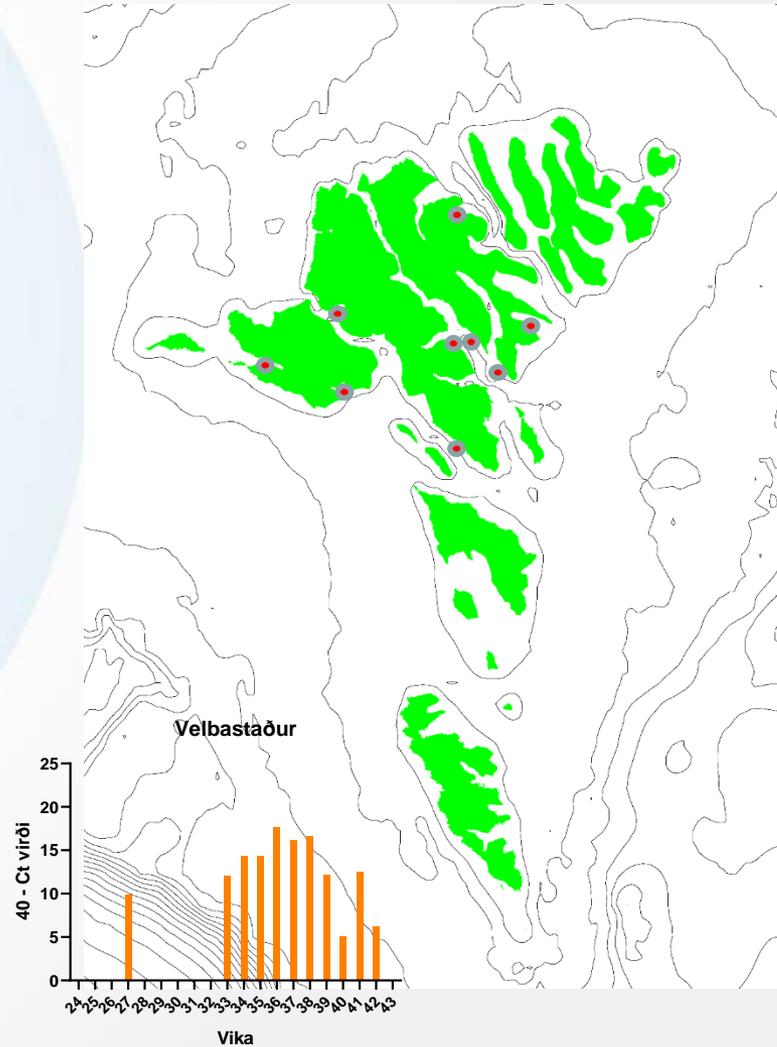
Vika
Sørvágur



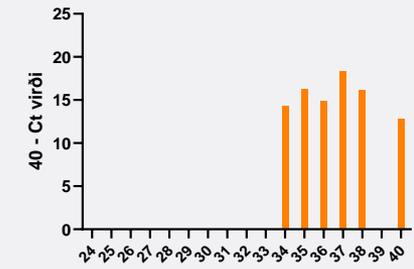
Vika
Miðvágur



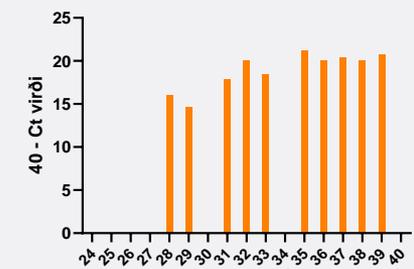
Vika



Vika
A - 04

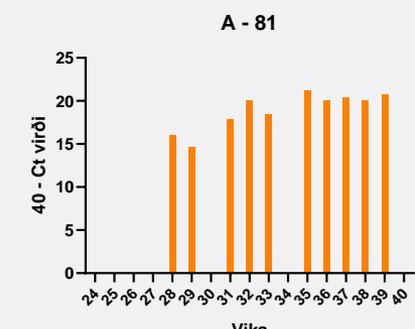
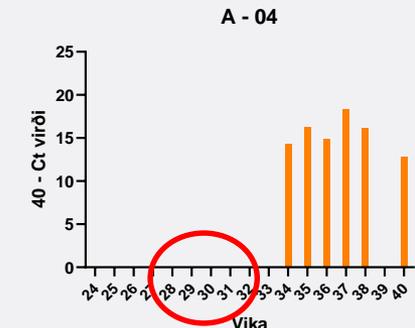
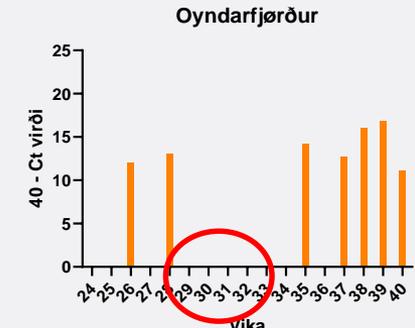
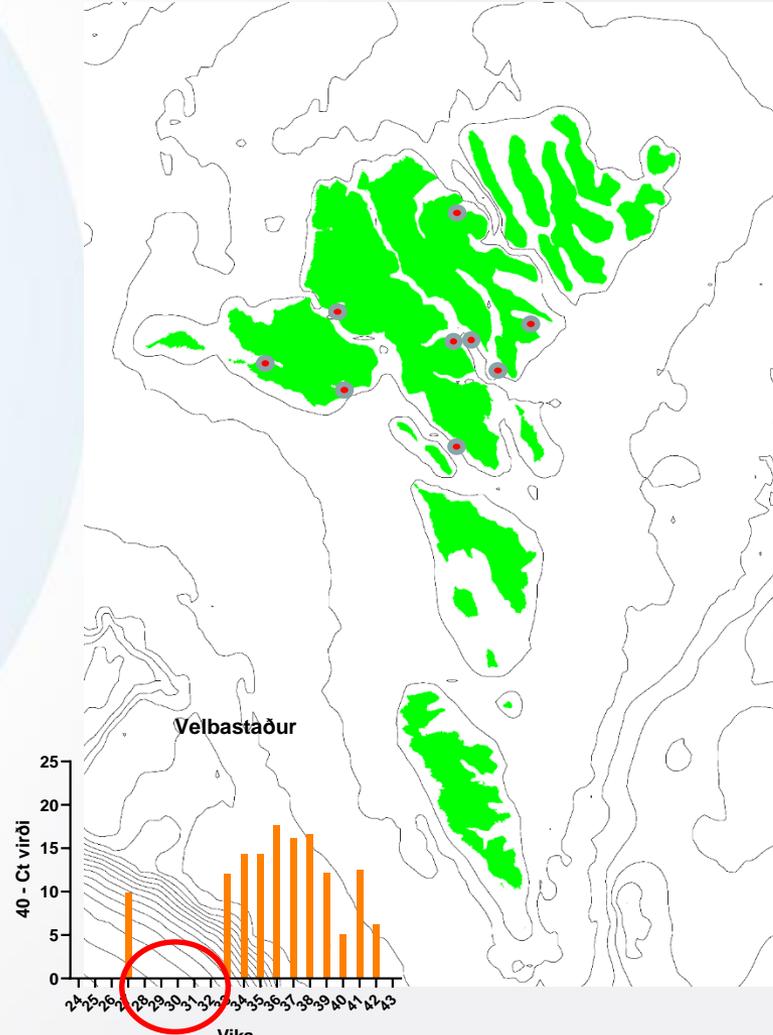
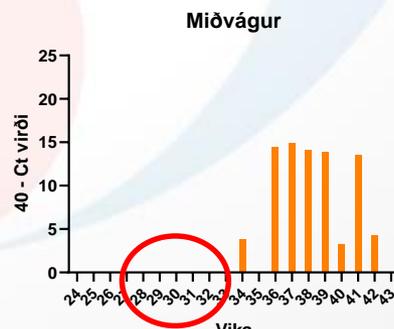
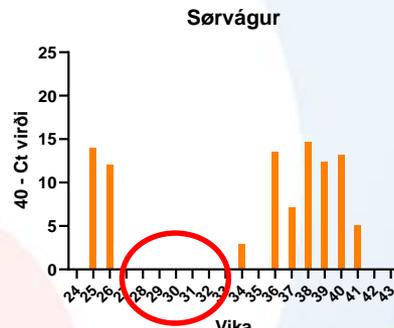
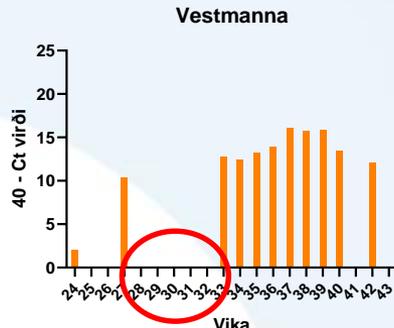


Vika
A - 81



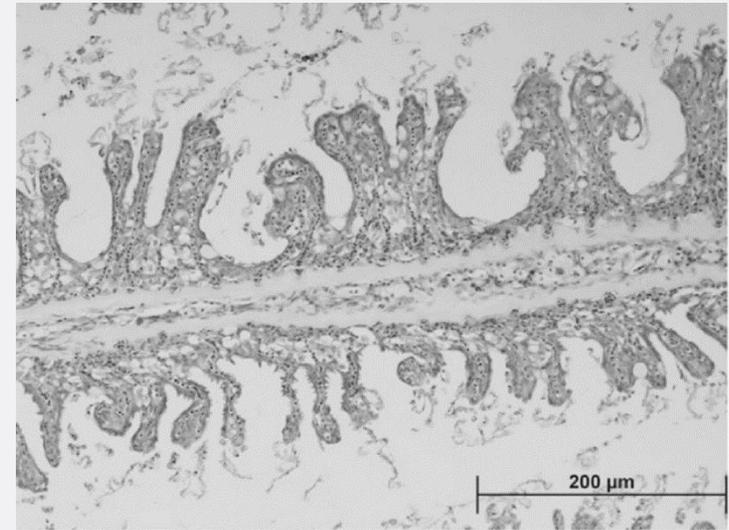
Vika

Alexandrium tamarense

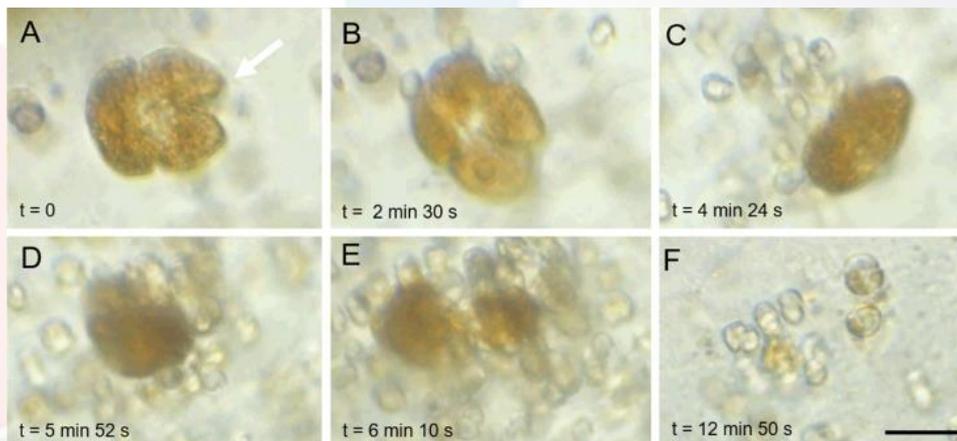


Karlodinium veneficum

- Dinoflagellate
 - Kann svimja
- Mixotrofisk
 - Fotosyntesu og etur
- Toksisk
 - Ávirkar táknurnar



Adolf *et al.* 2015. *Harmful Algae* 48, 83-93.



Yang *et al.* 2020. *Harmful Algae* 93, 101775.

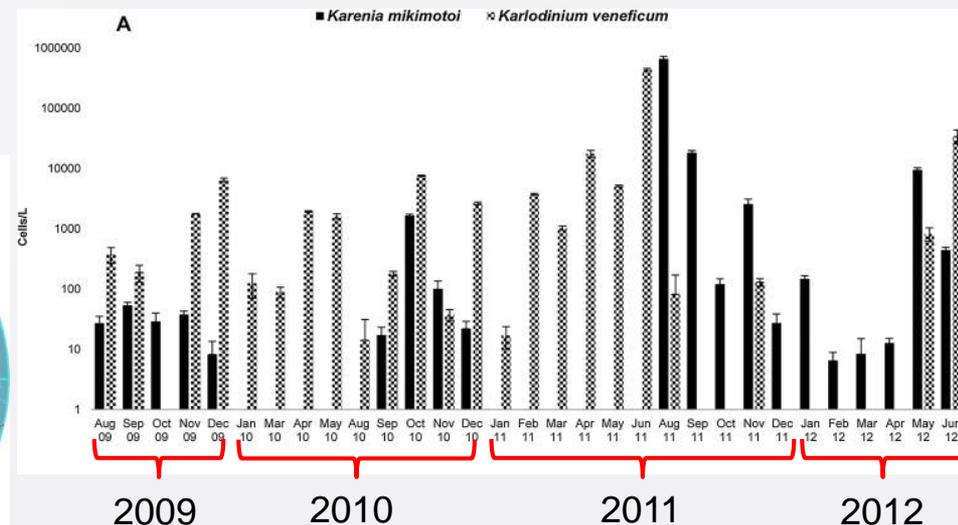
Karlodinium veneficum

- Vanlig í Norður Europa
- Eingin greið árstíðar variatióin
- Torfør at greina
 - qPCR góð kanning

Kanning gjørd í Noregi

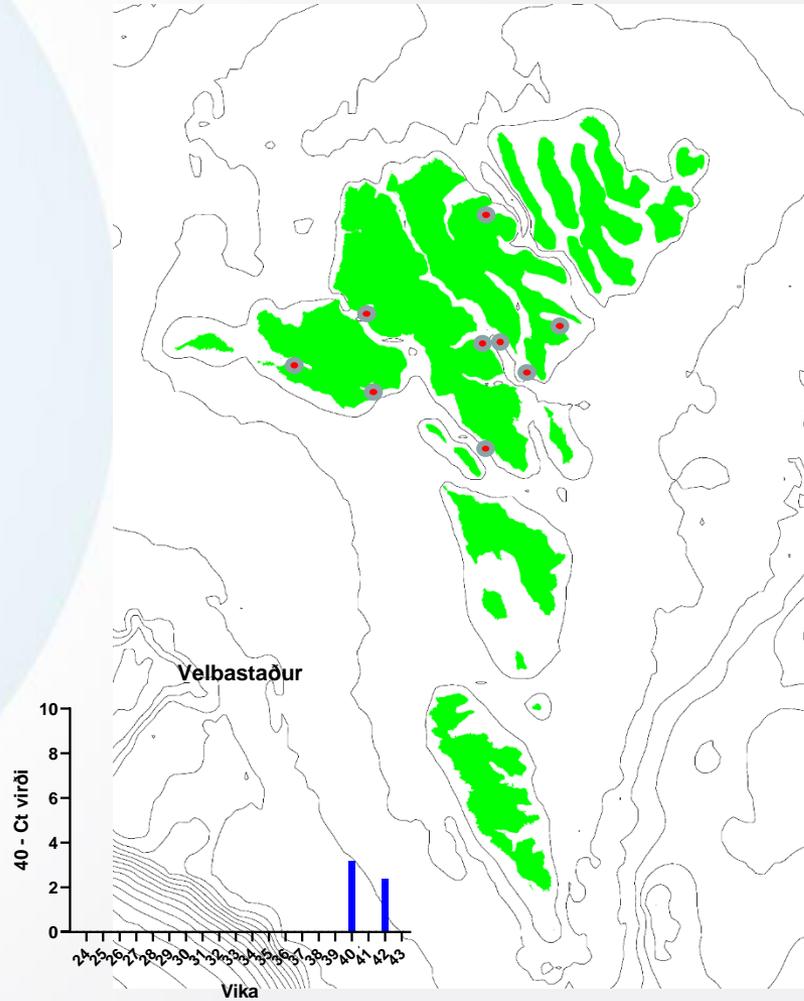
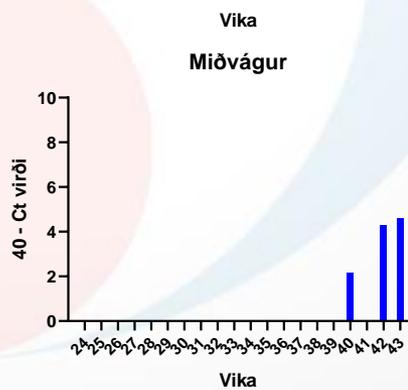
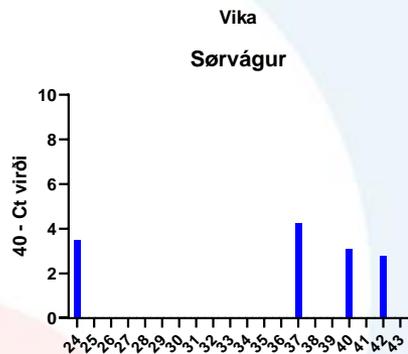
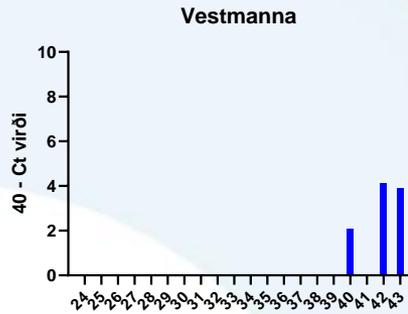


Yang et al. 2020. *Harmful Algae* 93, 101775.



Engesmo et al. 2018. *Harmful Algae* 75, 105-117.

Karlodinium veneficum



Altíð færri enn
5 kyknur per litur

Einki staðfest
á hinum økjunum

Phaeocystis pouchetii



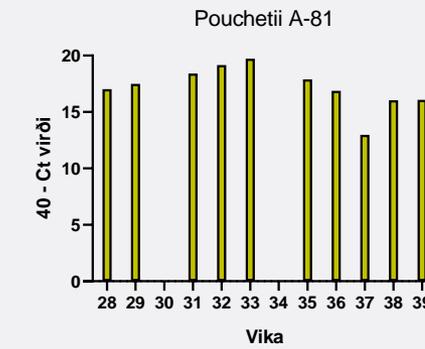
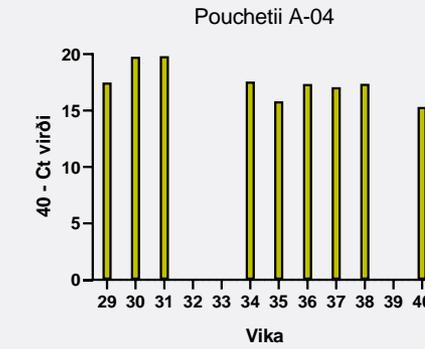
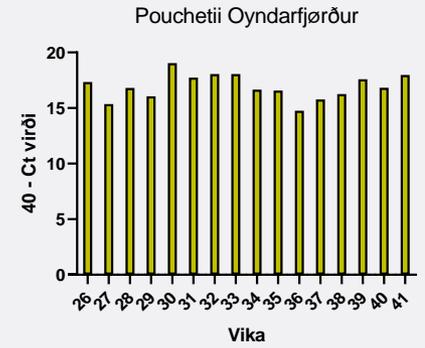
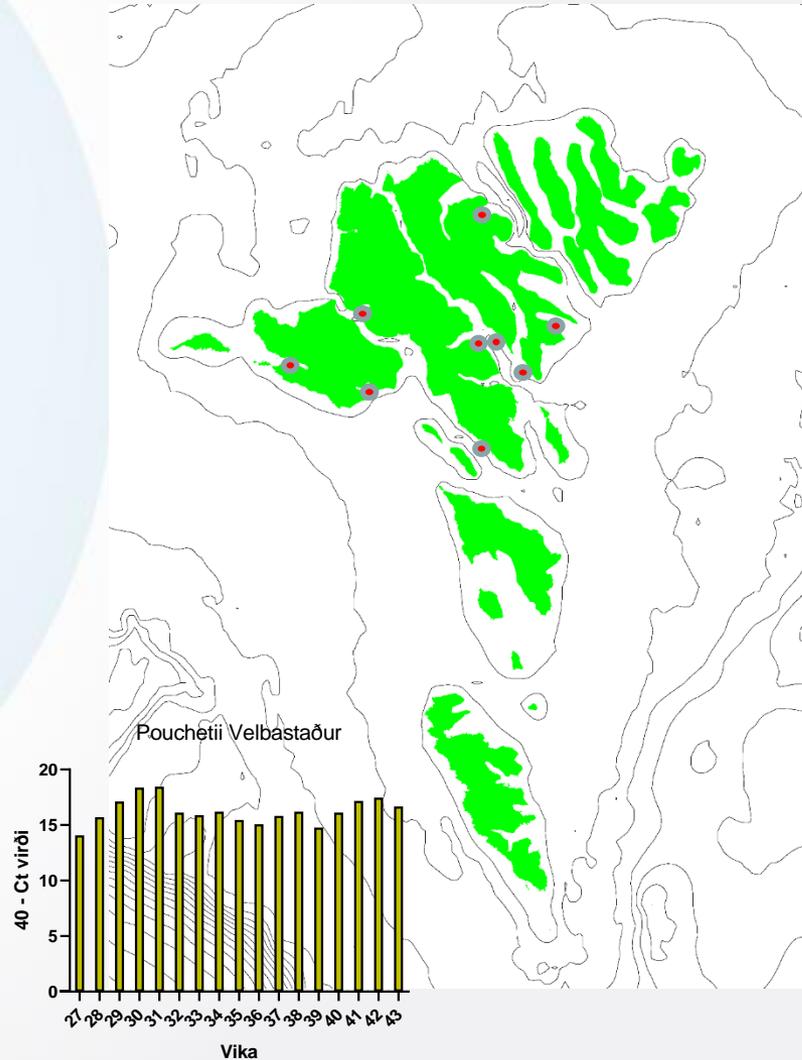
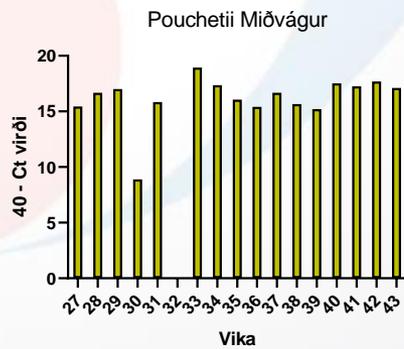
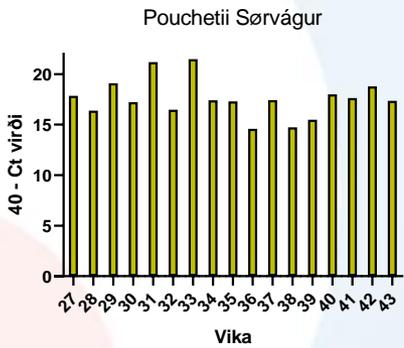
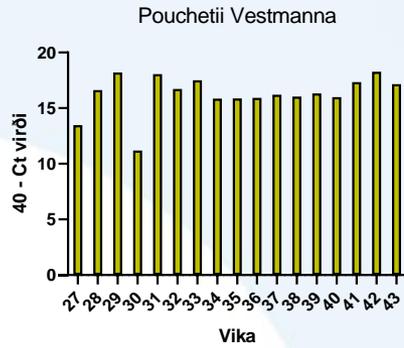
Kann gera flótandi koloniir
heftar saman við skúmi

Sera vanlig í Føroyum

Jenkinson *et al.* (2015). *Journal of Plankton Research* 37(6), 1100-1109.



Phaeocystis pouchetii



Ætlanir/møguleikar fyri 2020

- Samskipa regluligar kanningar við vinnuna
- Uppbyggja vitan/royndir við mikroskopi
 - Eisini úti á aliøkjunum (t.d. skeið)
- Menna kanningarnar
 - Kvantifisering
 - Samanberingar við aðrar mátingar (hita, tøðsølt, ...)
 - Samstarv við aðrar stovnar í Føroyum og uttanlanda