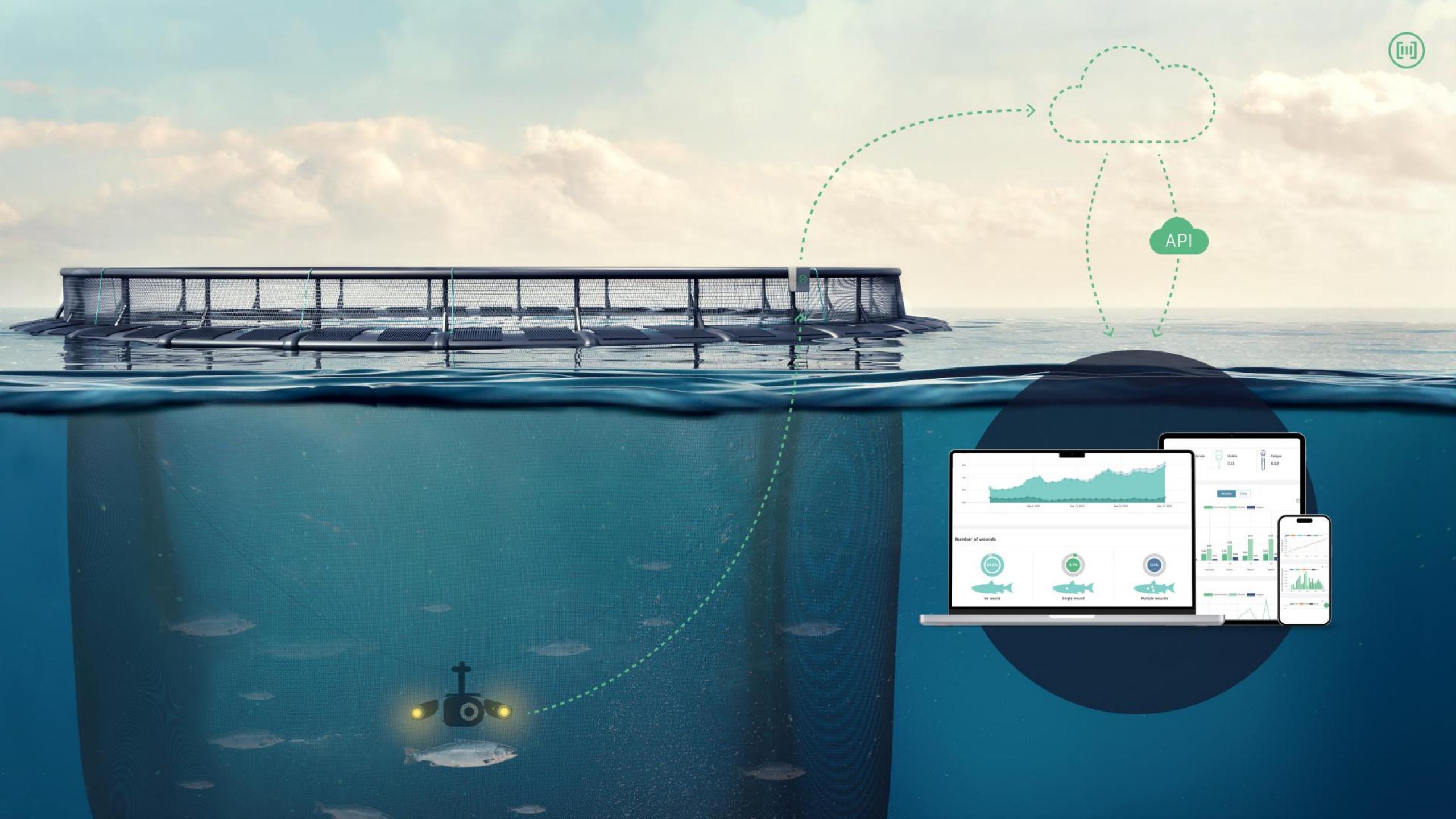


# Kan kamerabasert overvåkning gi bedre beslutningsstøtte for færøysk akvakultur?

Aliráðstevnan 1. mars 2024

Ola Kvaal Brandhaug

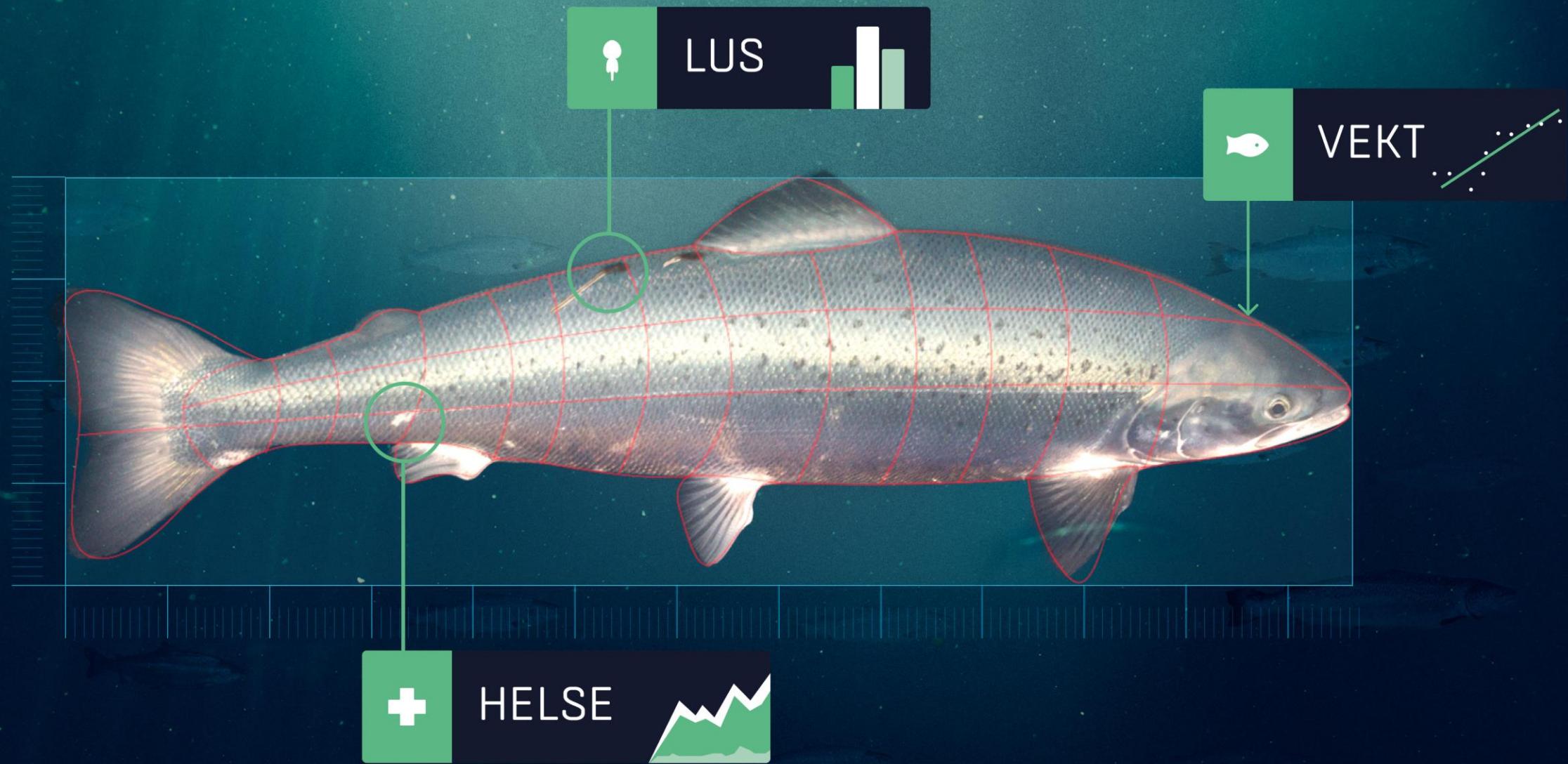


JJ

Alt som et  
menneskeøye kan  
se, kan vi lage  
modeller av

**Generativ kunstig intelligens**







Stort sår

4.7% ⓘ

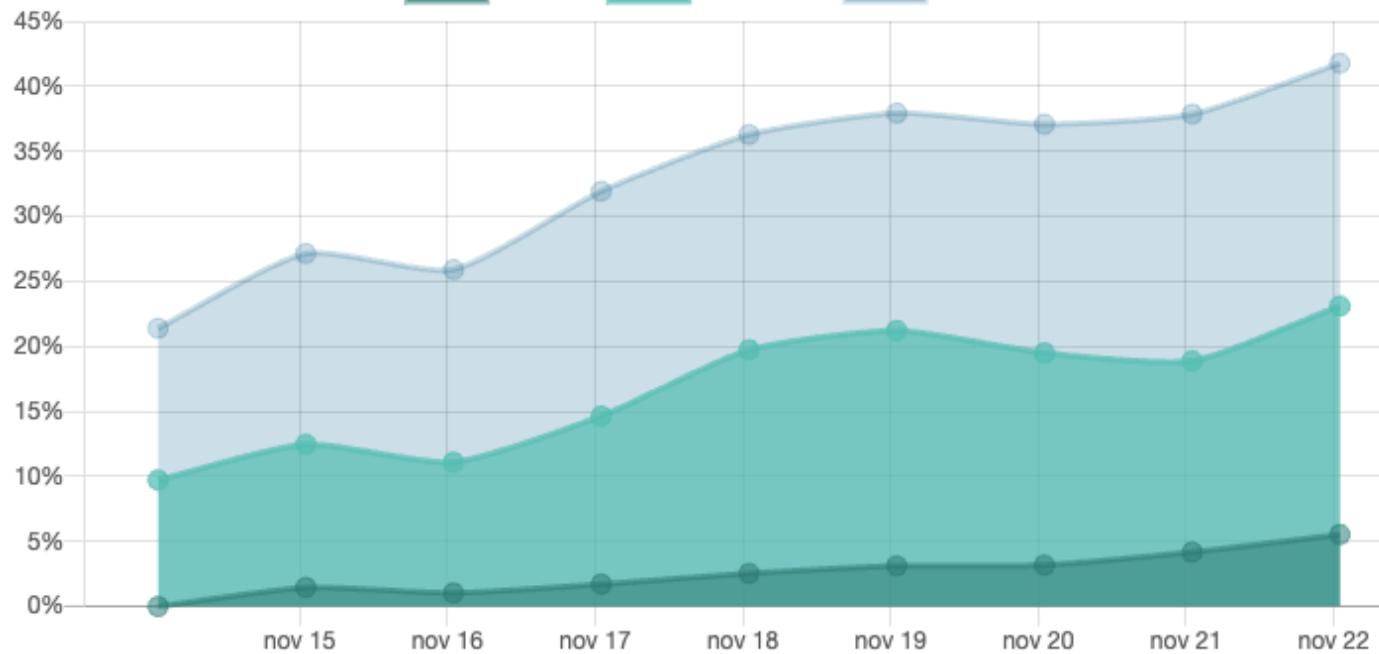
Medium sår

17.7% ⓘ

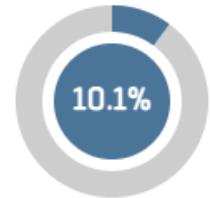
Lite sår

17.8% ⓘ

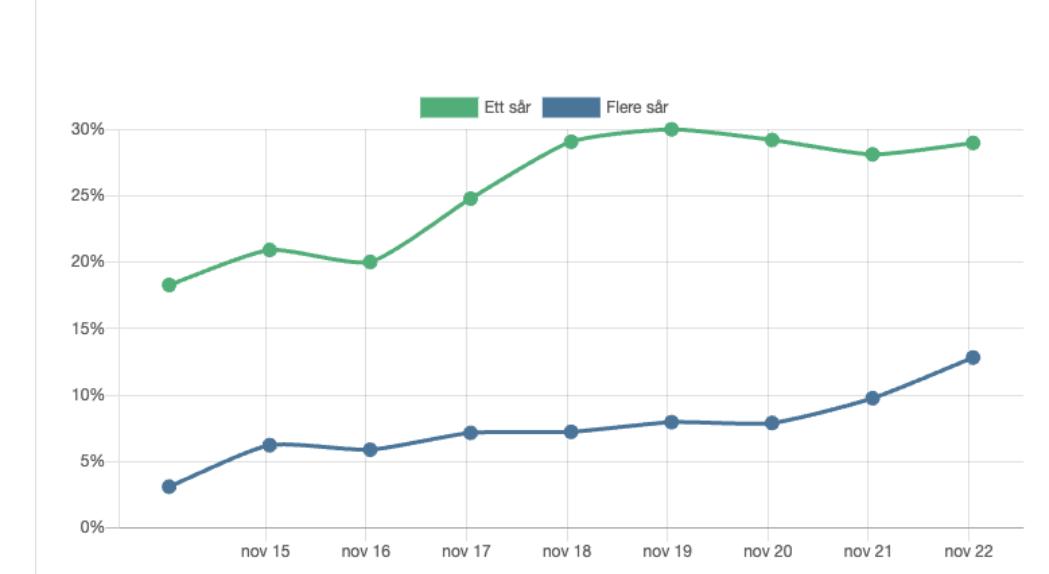
Stort sår Medium sår Lite sår



Ett sår



Flere sår





Automatisk lusetelling

# Hva påvirker telleusikkerheten?

Dette gir telleusikkerhet

- Antall fisk som telles
- Hvor representativt utvalget er
- Om all lus fanges opp under telling
- Om all lus blir registrert korrekt





# Statistisk usikkerhet



# Statistisk usikkerhet



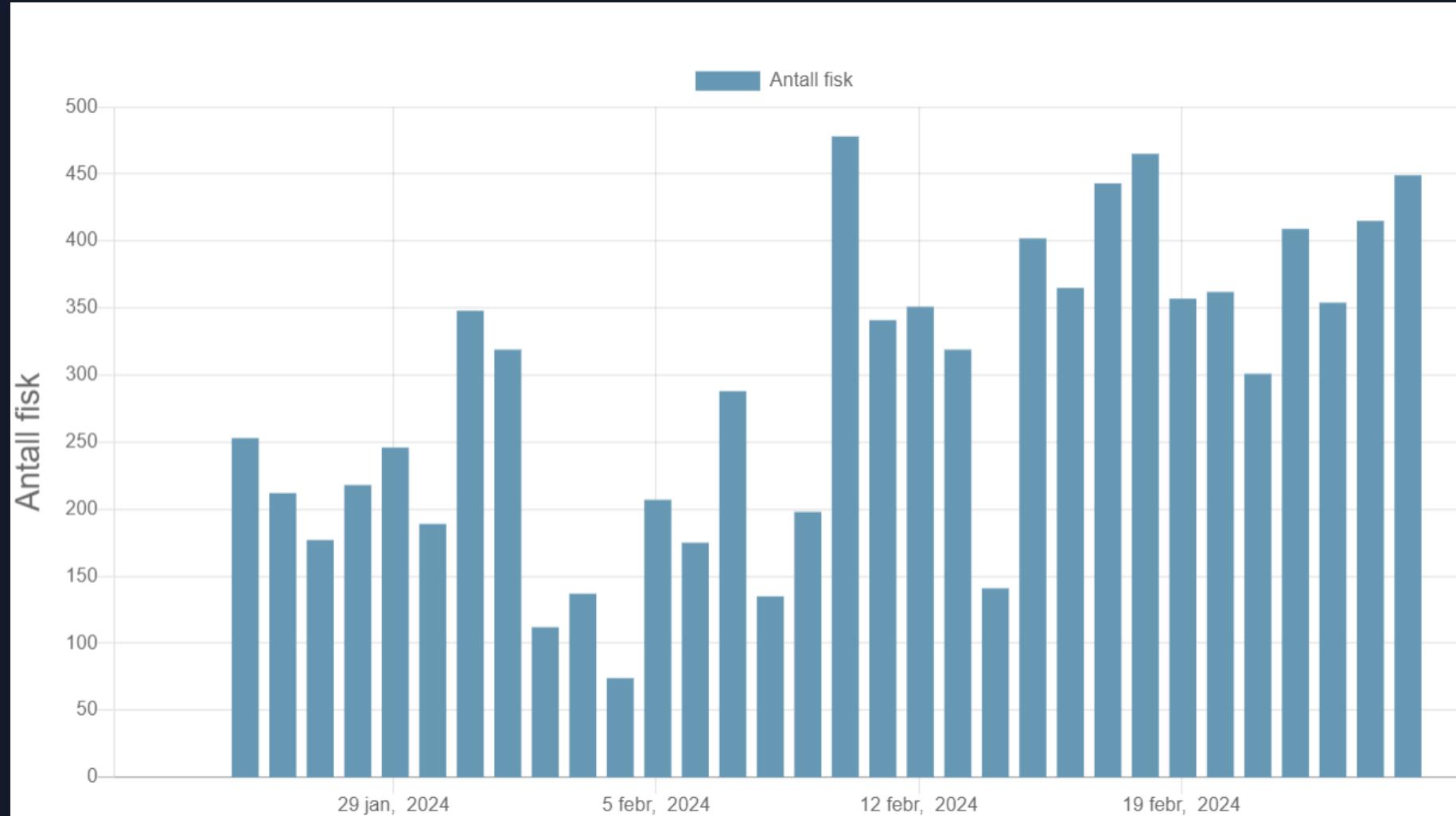
# Antall telte fisk i én merde



Antall fisk tellt på 32 dager:

Automatisk lusetelling: **9240 fisk**

Manuell lusetelling: **40 fisk**

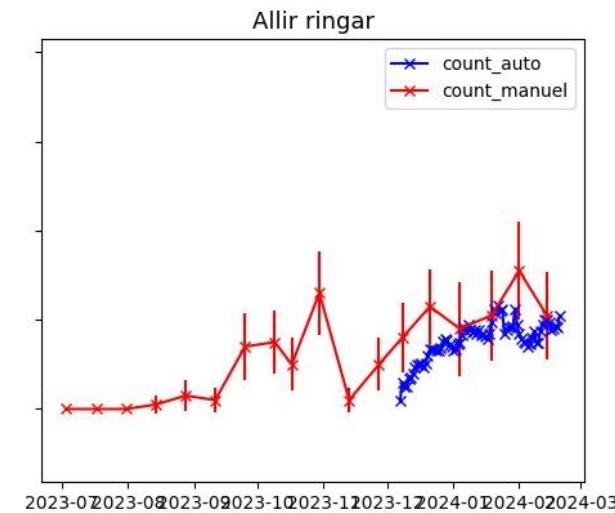
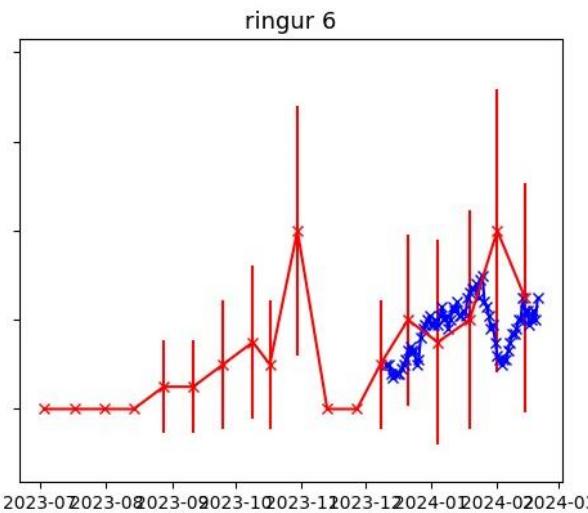
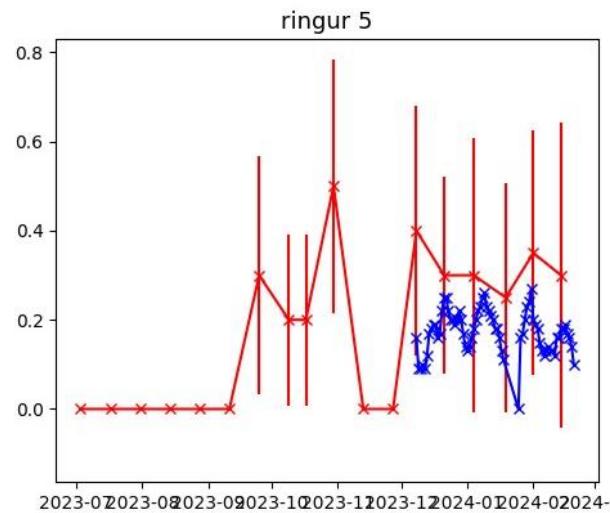
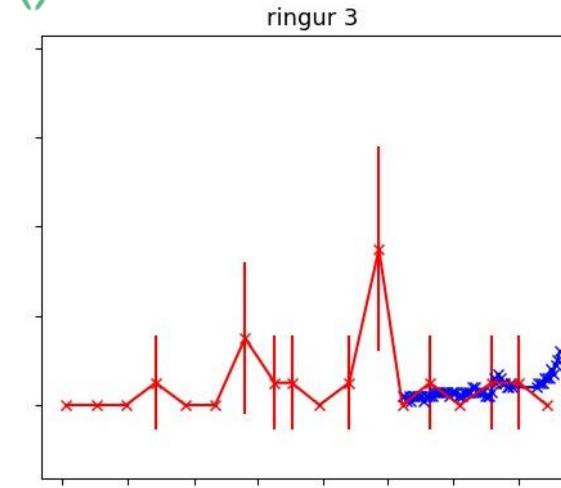
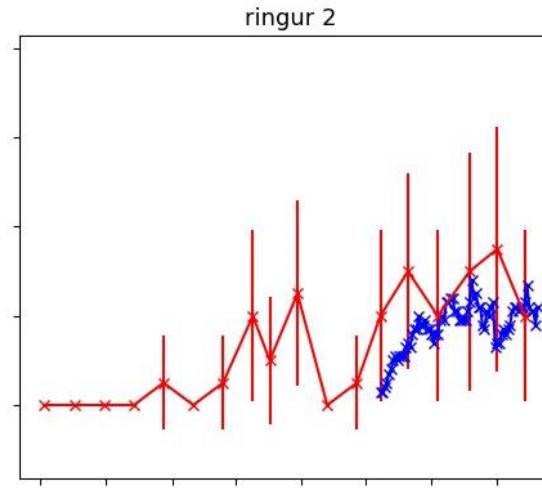
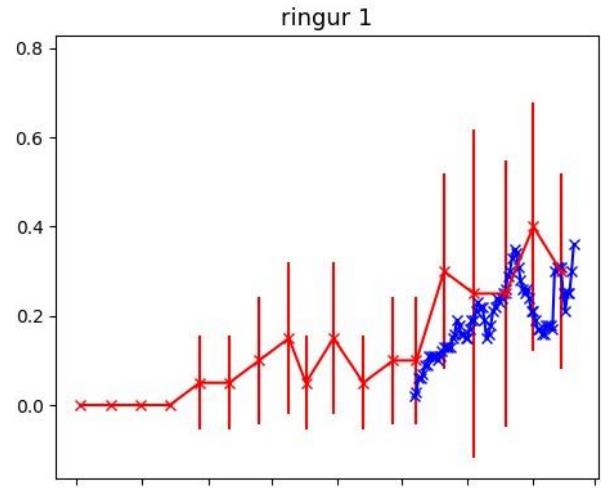




# Automatisk lusetelling samsvarer godt med manuelle lusetellinger



Kjønnsmoden hunnlus



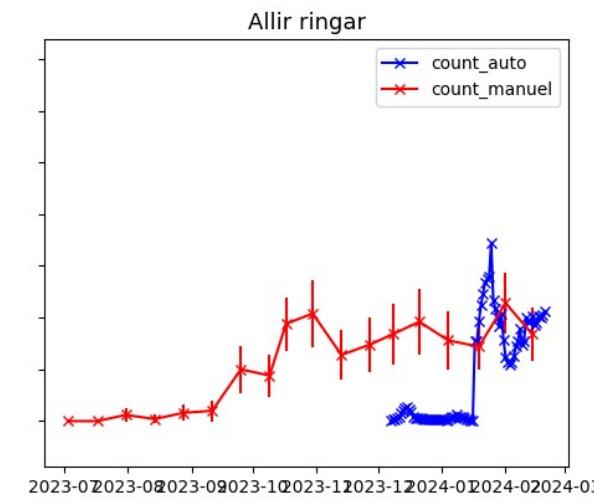
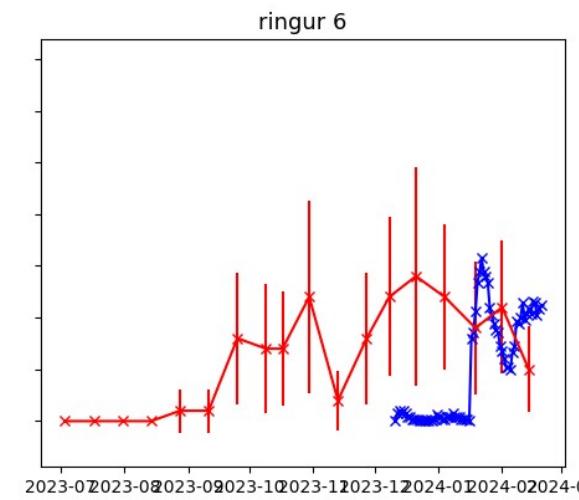
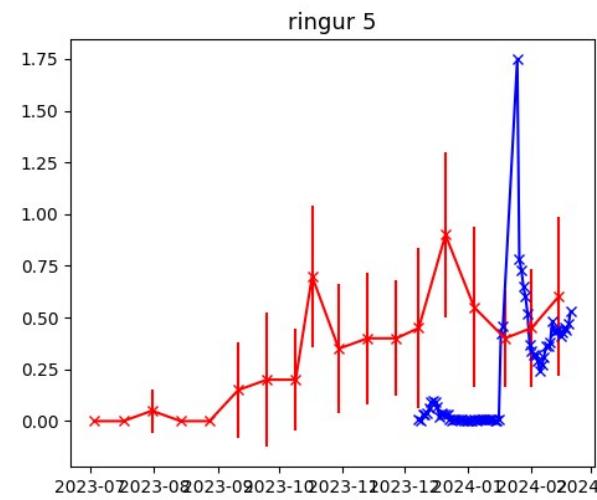
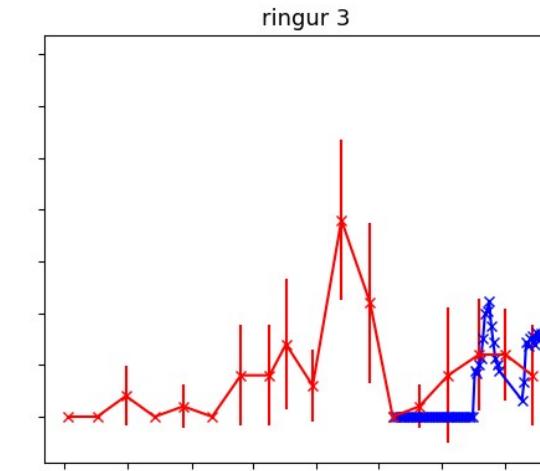
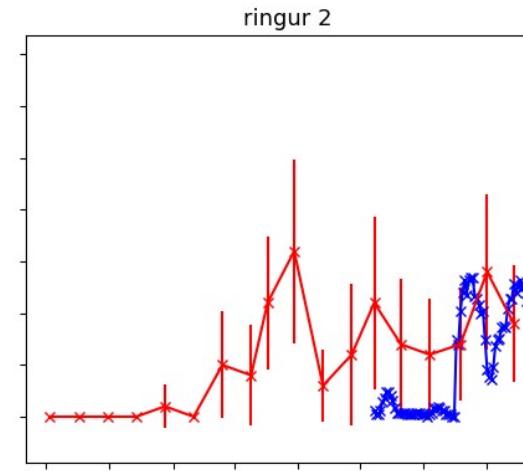
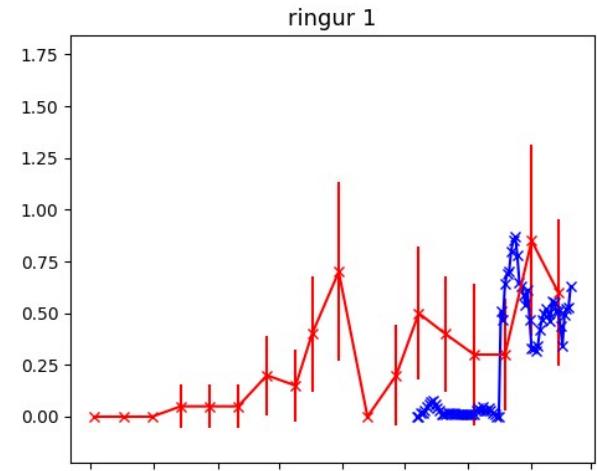


# Automatisk lusetelling forbedres kontinuerlig



Bevegelige lus

(Pre-adult I & II, og voksen hannlus)





# Sånn kan vi gjøre det på Færøyene

