Bioplan

How AI from different domains come together to improve fish economics and welfare
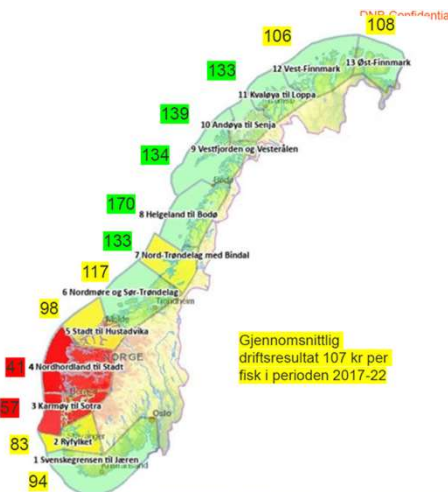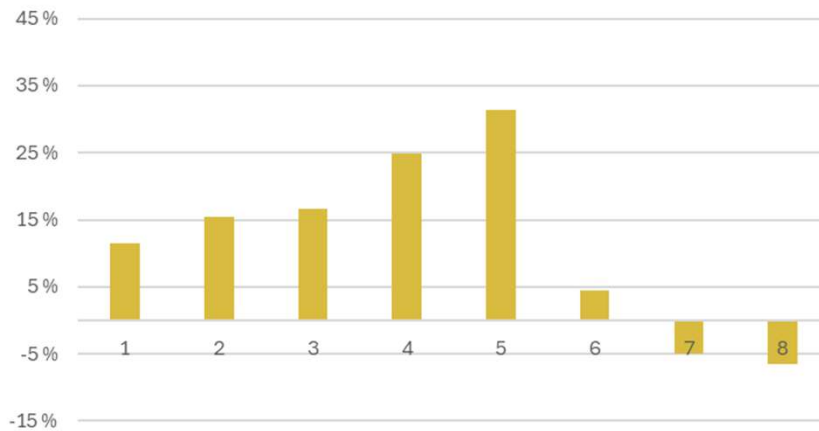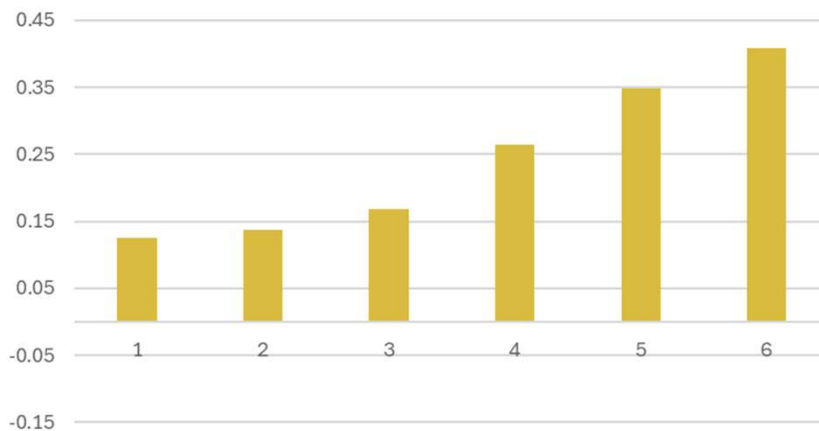
Get started

Large span in

- EBIT

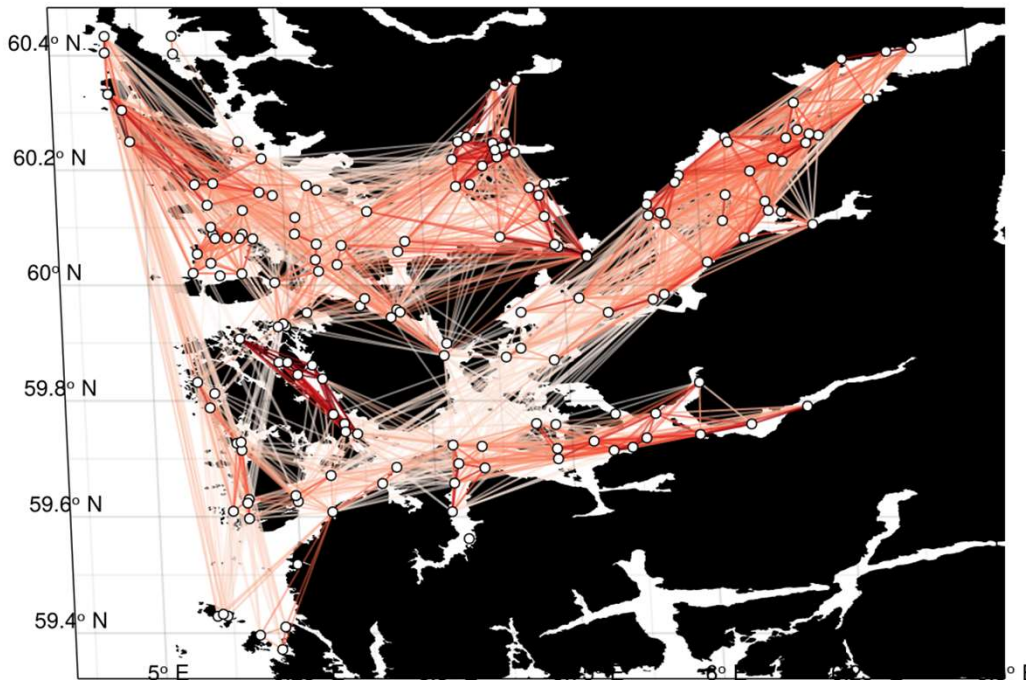- Mortality

- Lice

PO 3: Karmøy til Sotra

PO 8: Helgeland til Bodø

Large varition in EBIT also within production areas

Where does this difference come from?

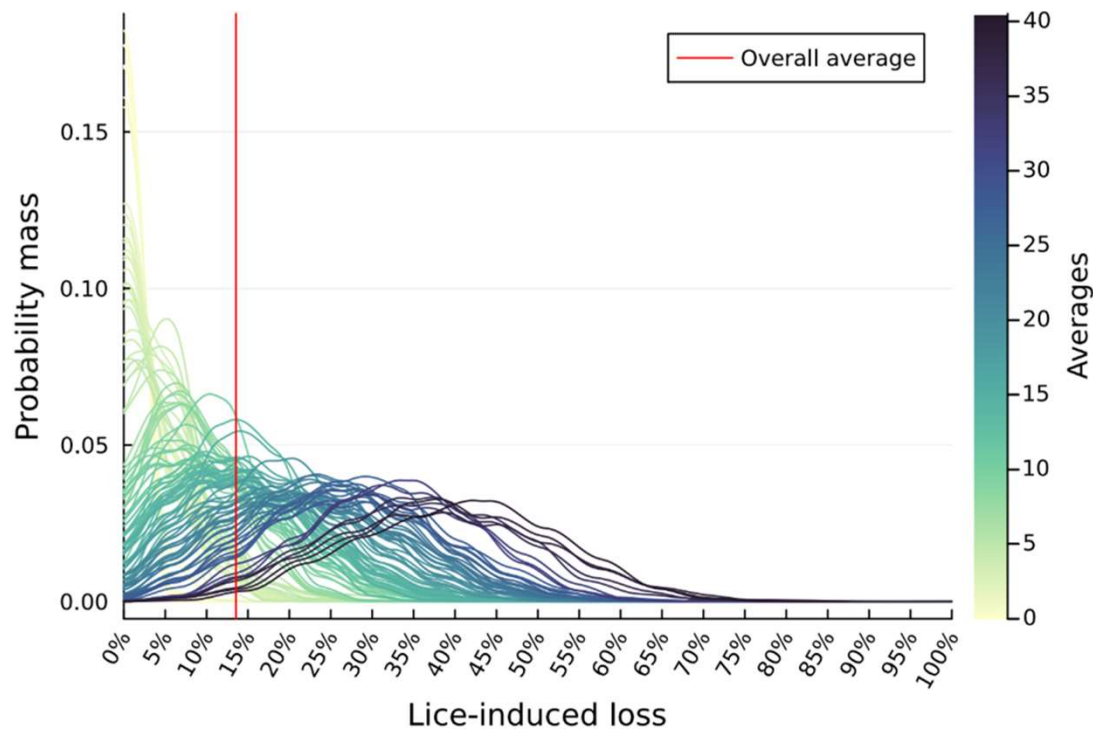## Nature/geopgrahy?

Some of it is due to geography

Sites unique conditions

+

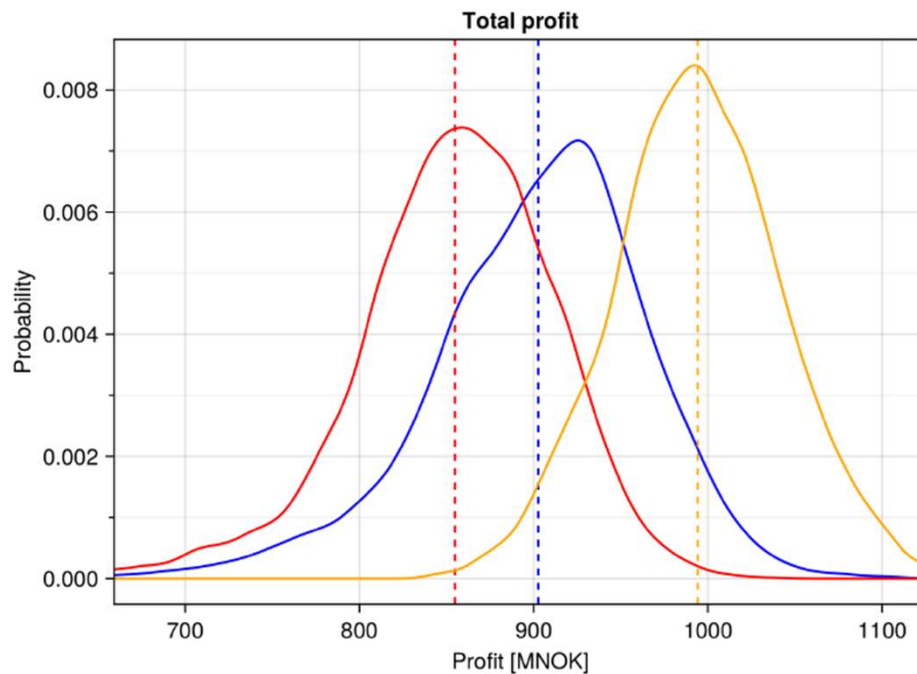Site closeness to other site

Loss due to treatment

Choices!

A lot is due to choices from the board room to the cage edge

- Genetics/species
- Feed and feeding
- Equipment
- Wellboat
- Delousing strategy
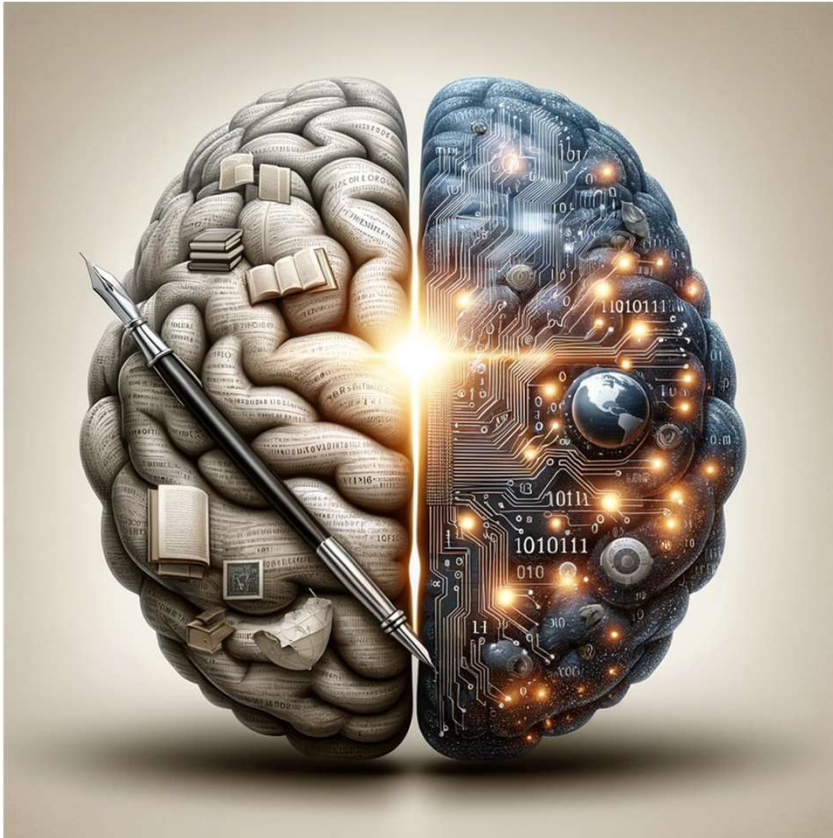- Harvest strategy
- Stocking strategy

Different strategies yields different results

Total profit

Different harvest strategy

+6% larger EBIT with different strategy

How do you take good choices

Knowledge

+

Data

Historically: Two main data sources

Decisions
- Harvest
- Stocking
- Treatment
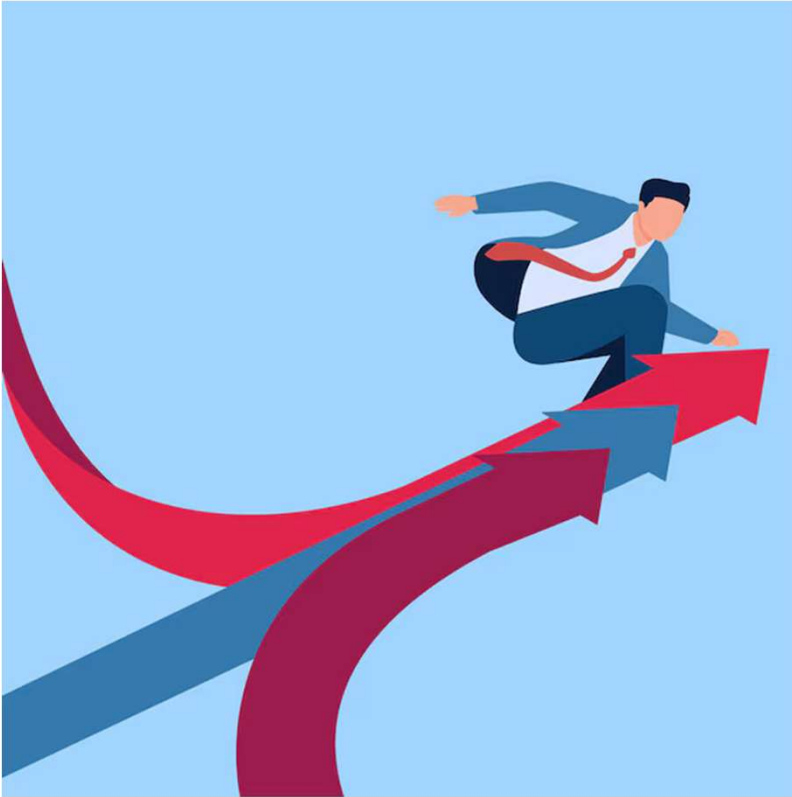
Every 1-2 week

Luse data

Data
- Feeding
- Mortality

For 30+ years, farmers have relied on their deep expertise to effectively manage rapid changes and uncertainty, consistently making good decisions

Today: 10+ data sources

Decisions

Harvest   Stocking   Treatment

Every 1-2. week

Luse data

Ad hoc

Biomass   Lice   Feeing   Mortality   Fish health   Fish health 2.0
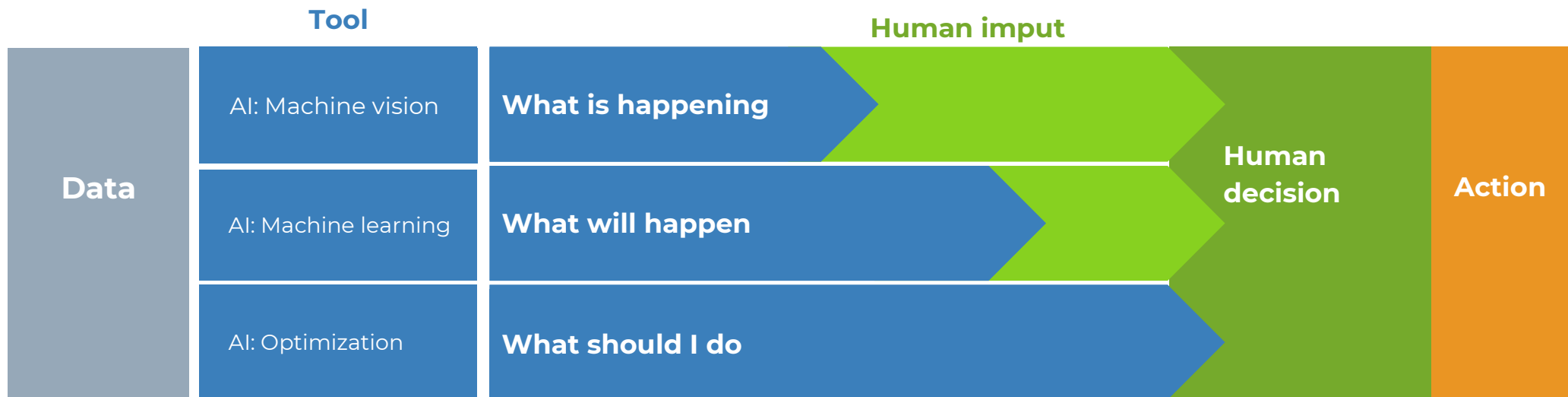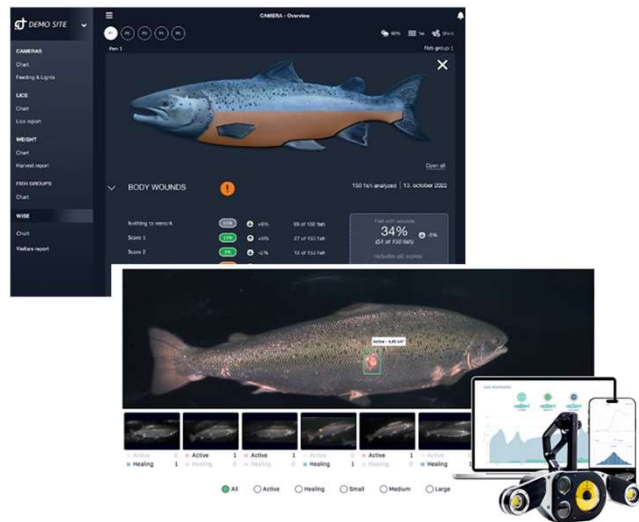
Environment   Market

Data

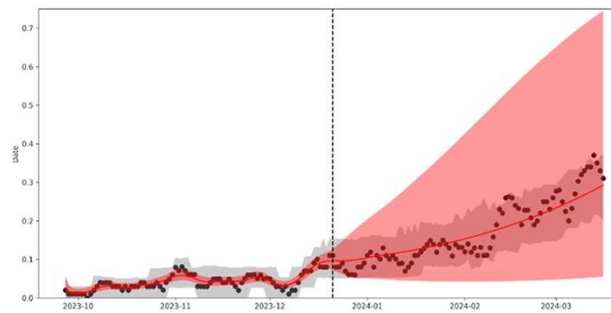# AI can give you better data and support you in making better choices
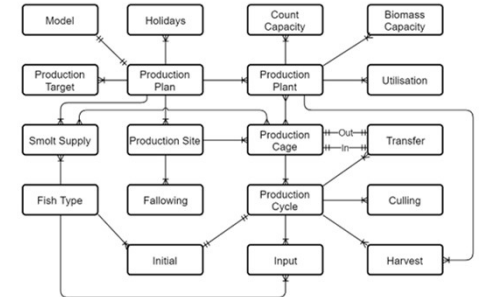
Obeservation

AI: Machine vision

Forecasting

AI: Machine learning

Decision

AI: Mathematical optimization
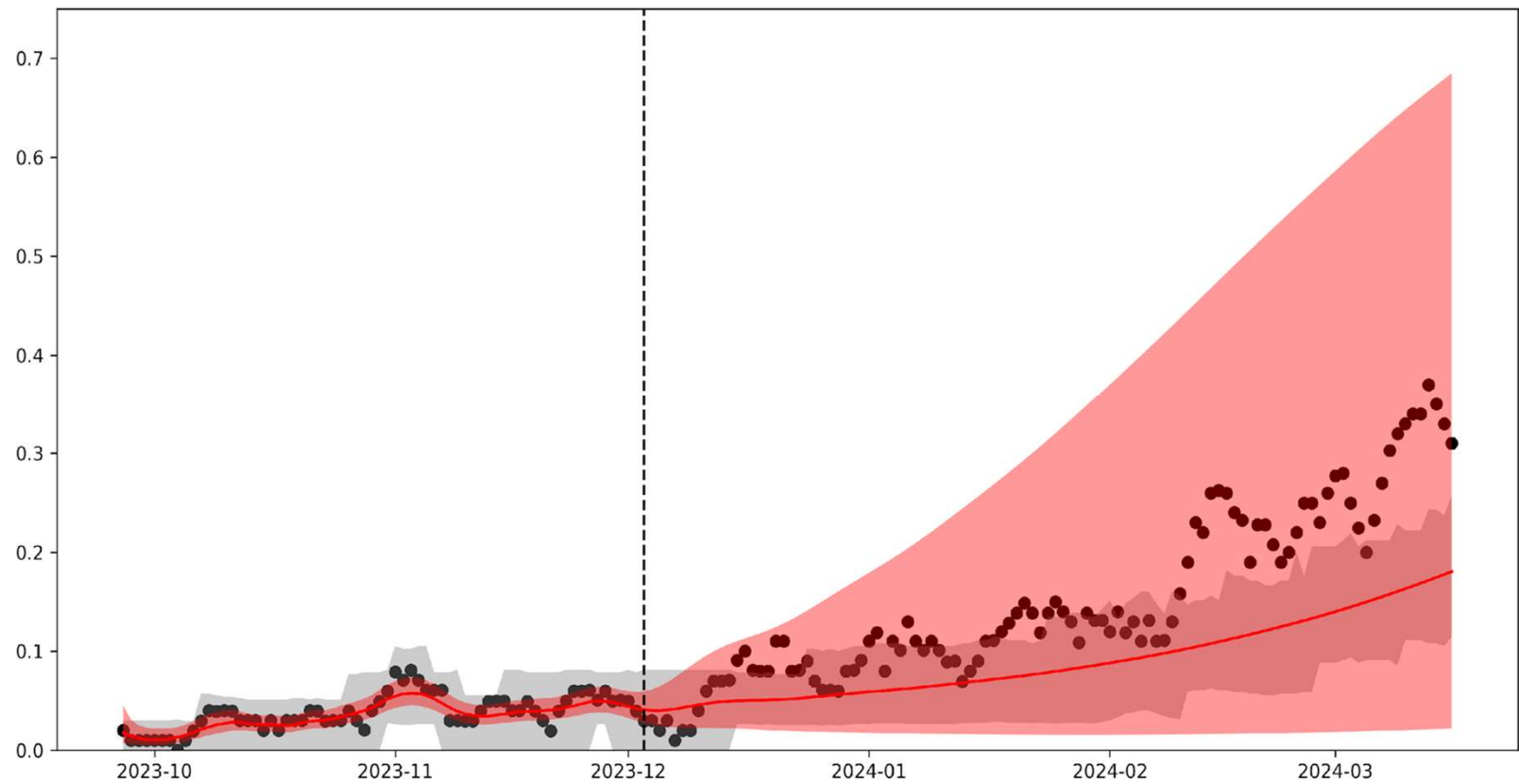
Forecasting: Wound development

Kameradata

+

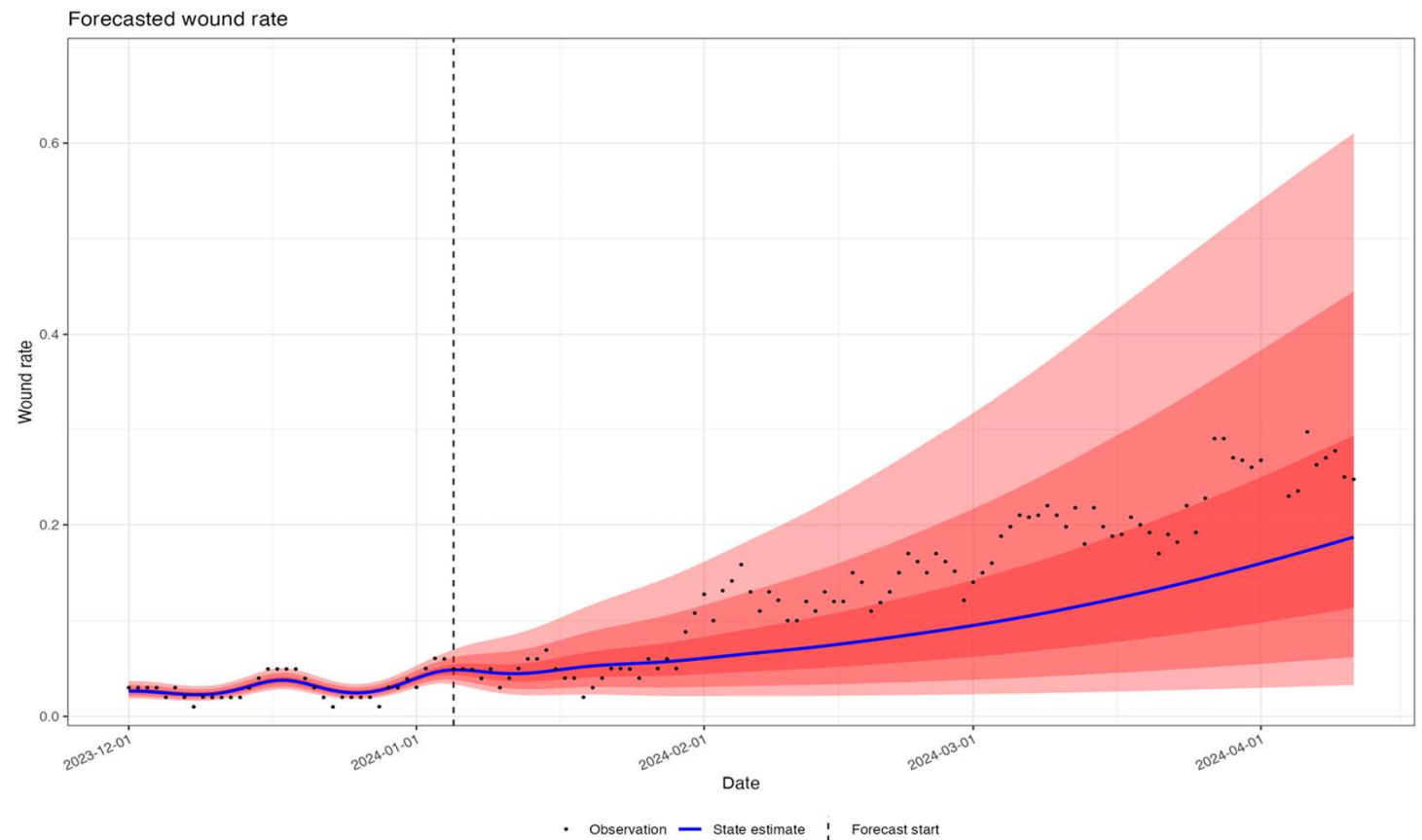Miljødata

+

Produksjonsdata

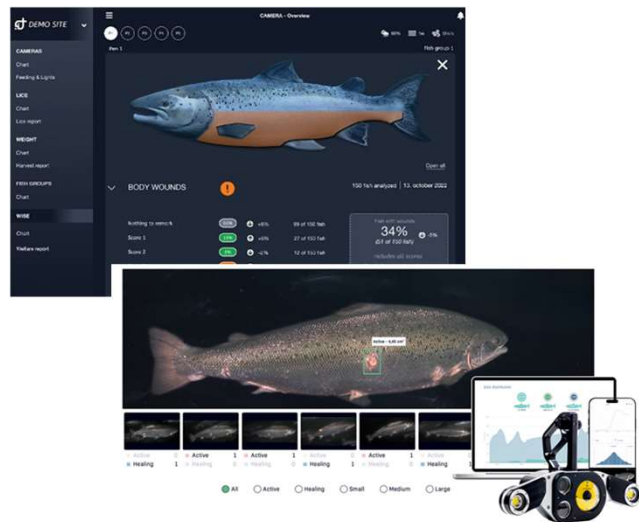# Forecasting: Wound development

Camera data

+

Environemet data
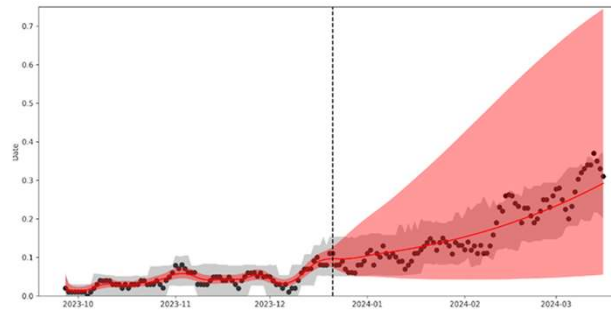
+

Production data

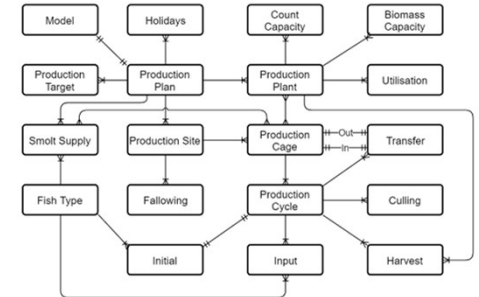Forecasted wound rate

Obeservation

AI: Machine vision

Forecasting
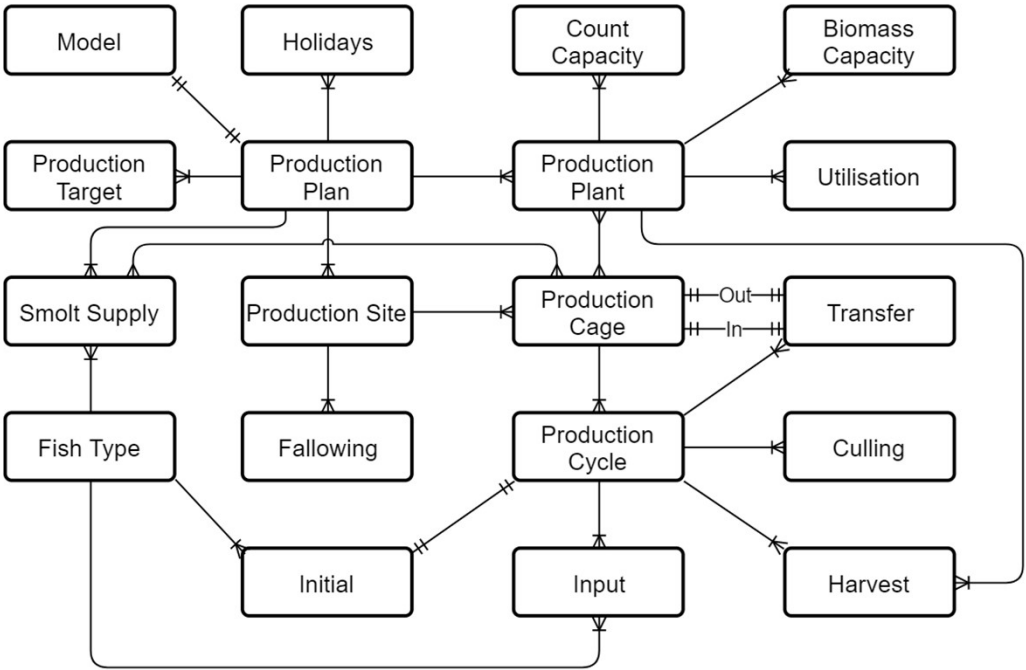
AI: Machine learning

Decision

AI: Mathematical optimization

+ Biology
+ Production logistics
+ Economics

= Decision

Today: 10+ data sources

Decisions

Harvest Stocking Treatment

Data

Every 1-2. week
Luse data

Ad hoc

Biomass Lice Feeing Mortality Fish health Fish health 2.0

Environment Market

Today: 10+ data sources

Decisions

| Harvest | Stocking | Treatment |

Every 1-2. week

Luse data

Ad hoc

Bioplan

Data

| Biomass | Lice | Feeing | Mortality | Fish health | Fish health 2.0 |

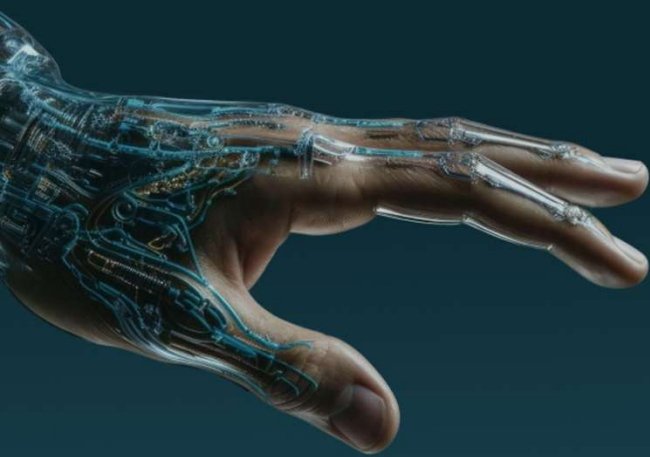| Environment | | Market |

Bioplan

FARM YOUR BEST FISH

Giving planners superpowers

Optimize now

Bioplan

They trust us

We support these companies on their mission to run the most profitable farming operation.

Firda

CERMAQ

HOFSETH

BOLAKS

FiiZK

Benchmark Genetics

NORDLAKS

Salaks