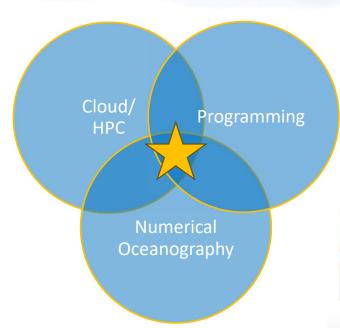




THE OCEANBOX TEAM





CSO
More than 30 years of experience in dynamic Oceanography. Since 2010 he has worked on developing a high-resolution ocean model for the coast of Norway



Dr. Frank Gaardsted Senior Oceanographer PhD in Oceanography and Marine Ecology. Has worked more than 10 years with numerical modelling connected to coastline oceanography



Dr. Isabella Rosso Senior Oceanographer Isa has a PhD in oceanography from The Australian National University and 6 years of experience from the Scripps Institute in California



Hilde S. Iversen CMO Master of Economics. Worked 5 years with data analytics, business intelligence and marketing in Serit



Dr. Jonas Juselius CTO Quantum Chemist with more than 20 years of experience with HPC, numerical modelling, agile software development and functional programming



Dr. Stig Rune Jensen Senior Scientist Quantum Chemist and expert in numerical methods and modelling. HPC-specialist within parallel programming and GPGPU.



Dr. Radovan Bast Senior Scientist Theoretical Chemist from Marburg and Strasbourg. Has extensive experience with numerical modelling. Author of the «CMake Cookbook»



Moritz Jörg Software Developer Master of Computer Science. Experienced programmer and DevOps engineer who also knows his way around Kubernetes

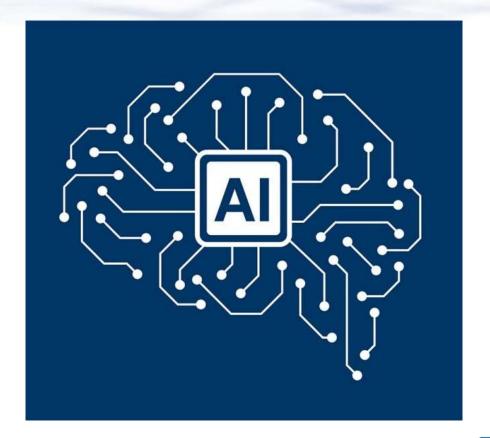


Svenn A. Hanssen CEO
Computer Scientist with more than 25 years experience with strategic tech leadership, SaaS and innovation in public and private sector



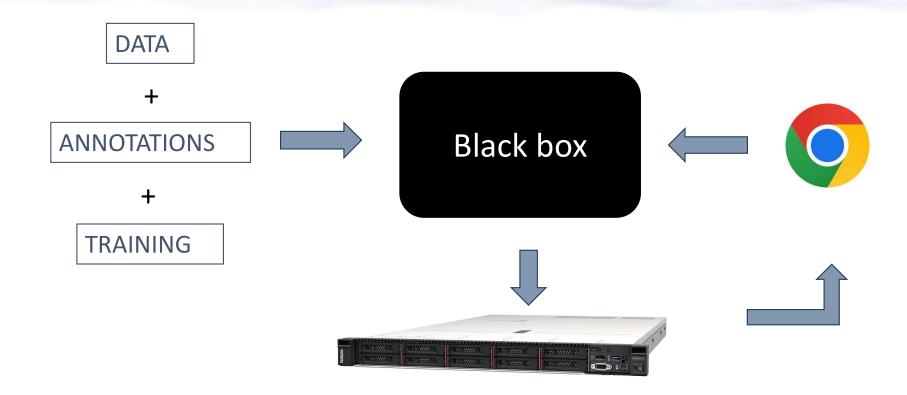
AI TRAITS

- Pose questions and get qualified answers
- Real-life outcome is what matters
- What is more important than how
- Speed and efficiency matters
- No data, no model





AI CONCEPTUALLY





OI CONCEPTUALLY

$$\frac{\partial L}{\partial q} - \frac{d}{dt} \left(\frac{\partial L}{\partial \dot{q}} \right) = 0.$$

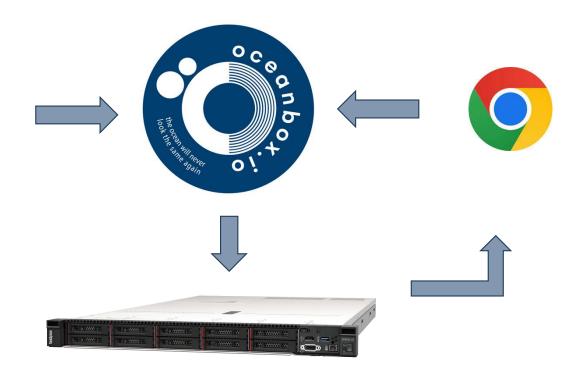
+

$$\rho\left(\frac{\partial \mathbf{v}}{\partial t} + \mathbf{v} \cdot \nabla \mathbf{v}\right) = -p + \nabla \cdot \mathsf{T} + \mathbf{f}$$

+

BOUNDARY DATA

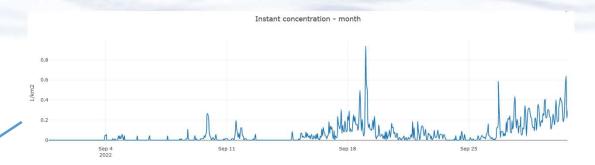
Ocean, weather, river

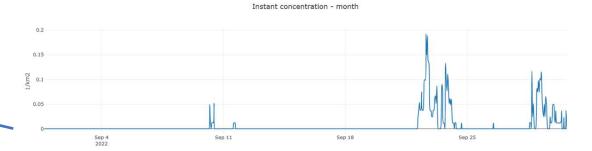


PATHOGEN PATHWAYS







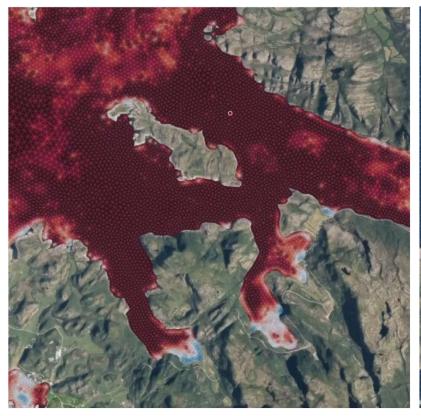




DOWNWELLING AND THE TRANSPORT OF SALMON LICE

Lus > 25m

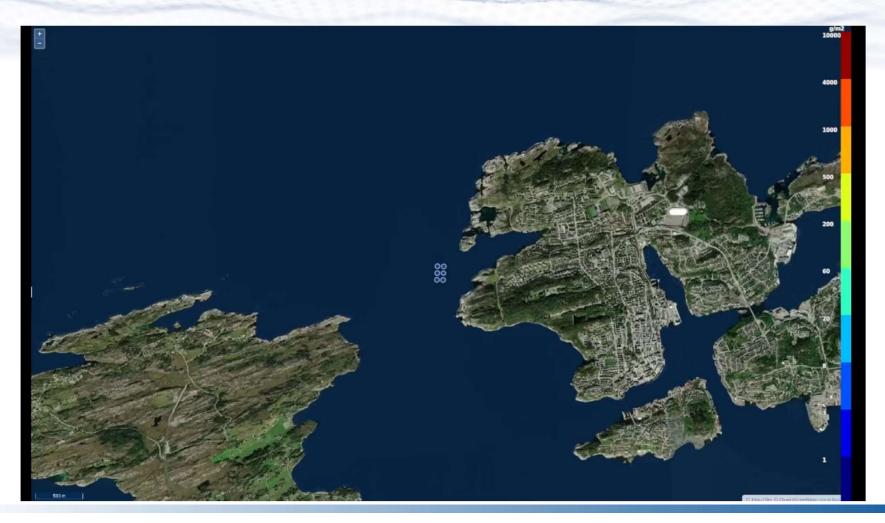






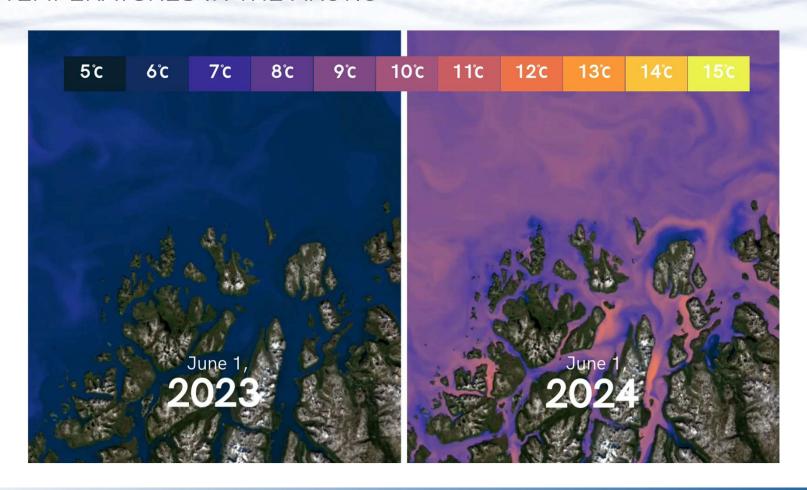
DEPOSITION OF SEDIMENTS AND AZE CONTOURS







SEA TEMPERATURES IN THE ARCTIC



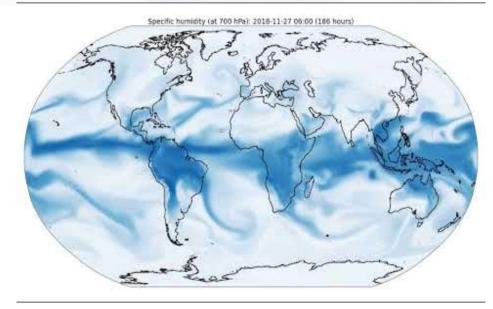


WHAT CAN AI DO FOR US IN THE FUTURE?

Oceanbox is generating the datasets for future AI models:

- Local corrections
- Predictions
- Insights
- Faster more cost-effective modeling

All models are artificial, and intelligence is called for when we apply them.



Google DeepMind's GraphCast (11/2023)

