



When Uncertainty Matters.

digilab.ai

We help people solve the world's biggest challenges with machine learning and uncertainty quantification.



Environment



Renewables



Fusion Energy



Materials

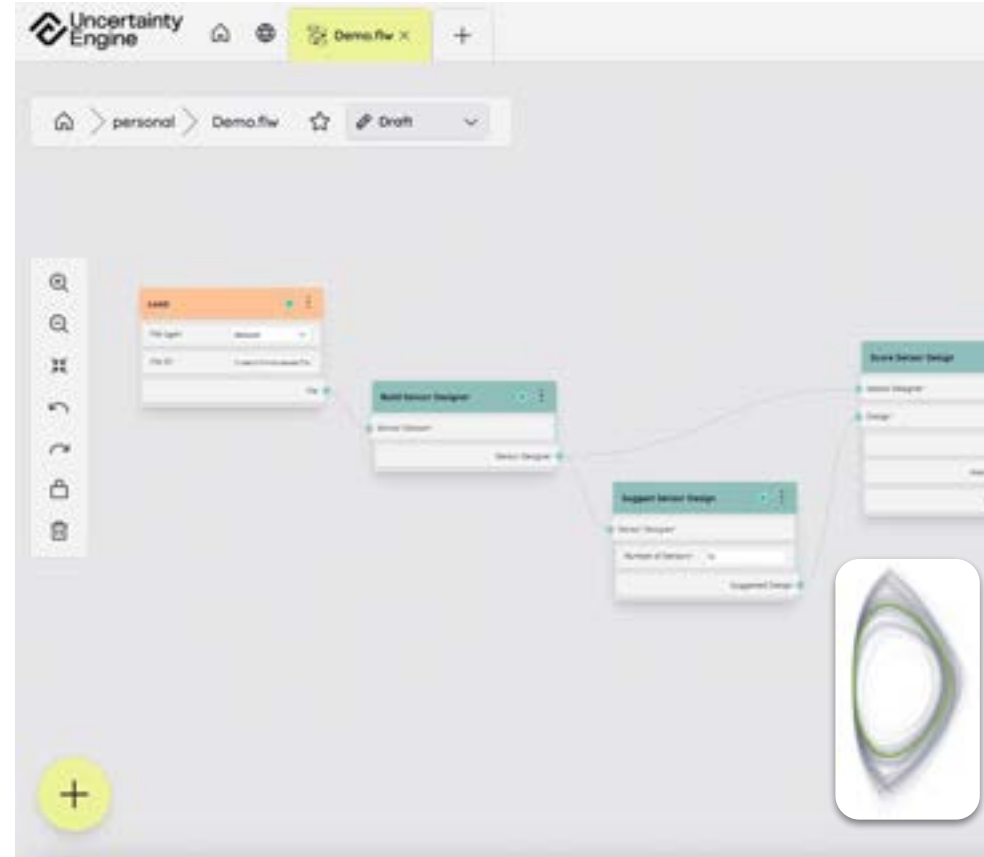


Aviation &
Transport

The Uncertainty Engine™

We are building a composable, modular AI platform/engine that helps engineers & data-scientists working in complex, high stakes, safety-critical, regulated industries to make better, lower risk decisions by quantifying and rationalising the uncertainties of multiple options.

- The Uncertainty Engine is a **no-code AI** platform that combines data, models and workflows to connect a trustworthy AI thread through an organisation's data.
- digiLab's Uncertainty Engine enables you and your teams to **solve complex problems** in a secure and auditable platform to build decision intelligence and shorten time to value.
- Current delivery through python API, GUI in beta testing.



AI at Sea

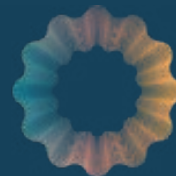
Uncertainty-Aware AI for Coral Monitoring
with KCRI



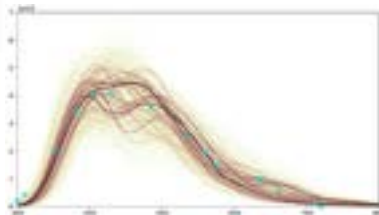
Partnership



كاوست
مبادرة
إحياء الشعاب
المرجانية



KAUST
Coral
Restoration
Initiative



The Challenge

Scale up: 1 to 100 hectares

Practical AI tools to make
the impossible possible



The monitoring and outplanting cycle



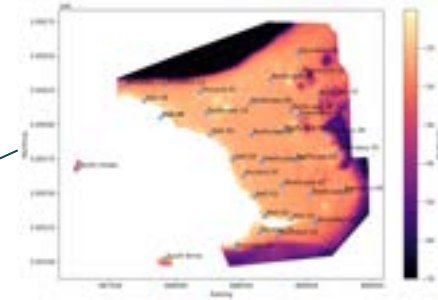
In- and ex-situ nurseries



Complex data



Sensors and environment

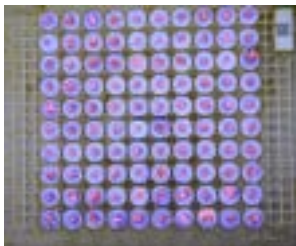


Outplanting, survival and forecasting

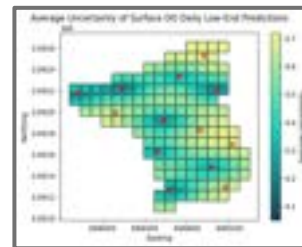
AI to boost the cycle



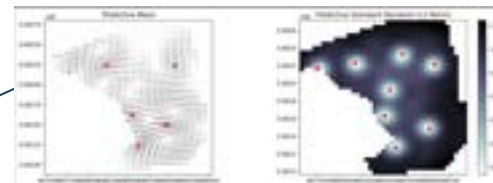
Automated measurement



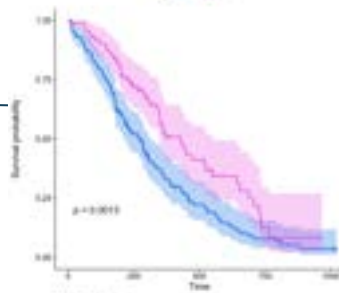
Natural language data analysis



Optimal sensor placement

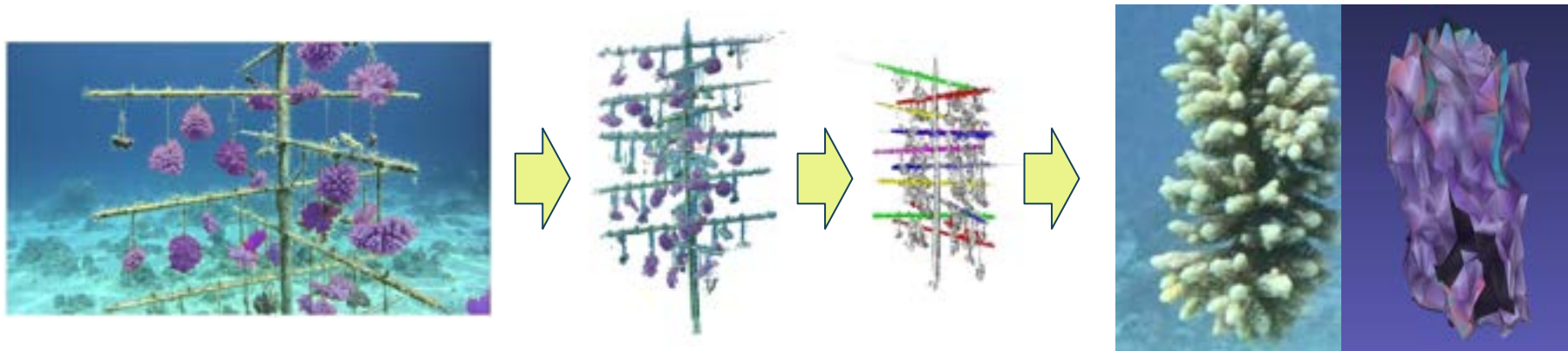


Outplant forecasting and survival analysis



Automated Coral Measurements

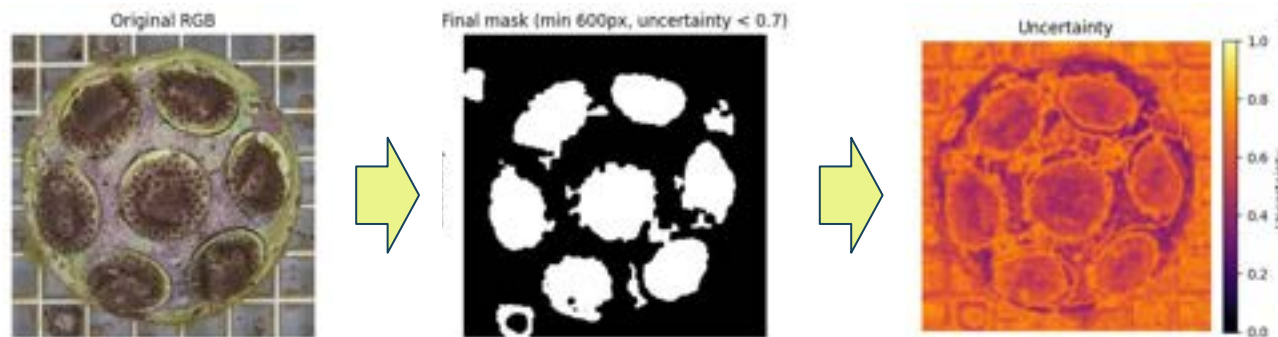
In **2D**; in **3D**; with **zero training**, natural-language prompting and **quality assurance**.



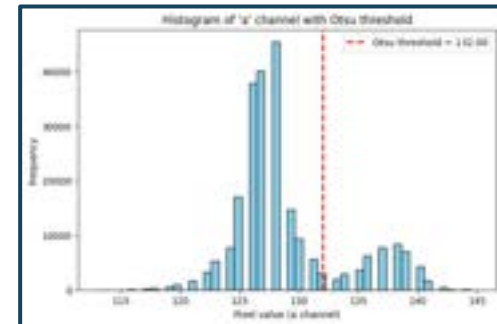
- 3D reconstruction + automated volume measurements
- Rapid data collection from video with uncertainty

Automated Coral Measurements

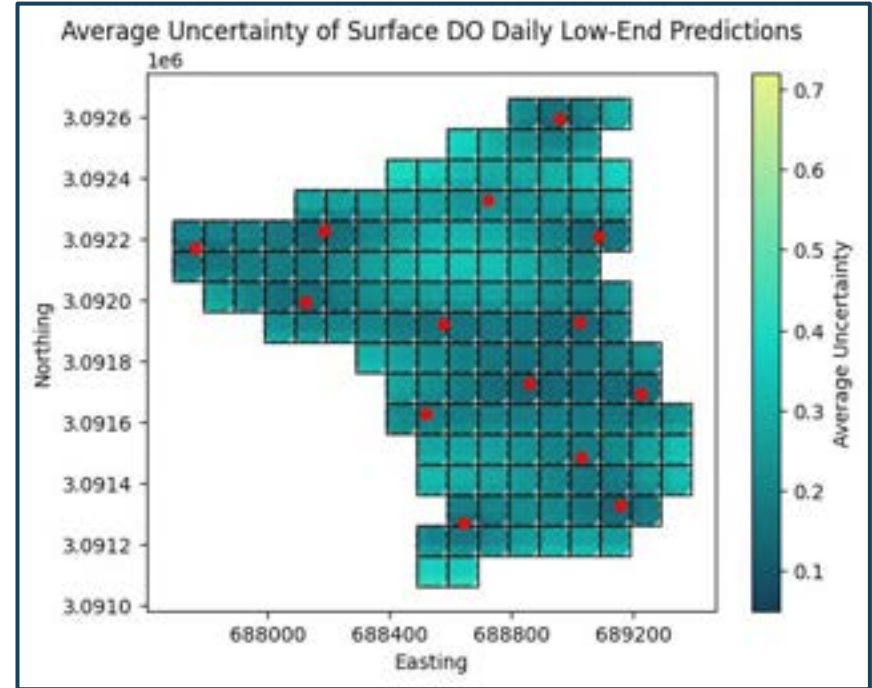
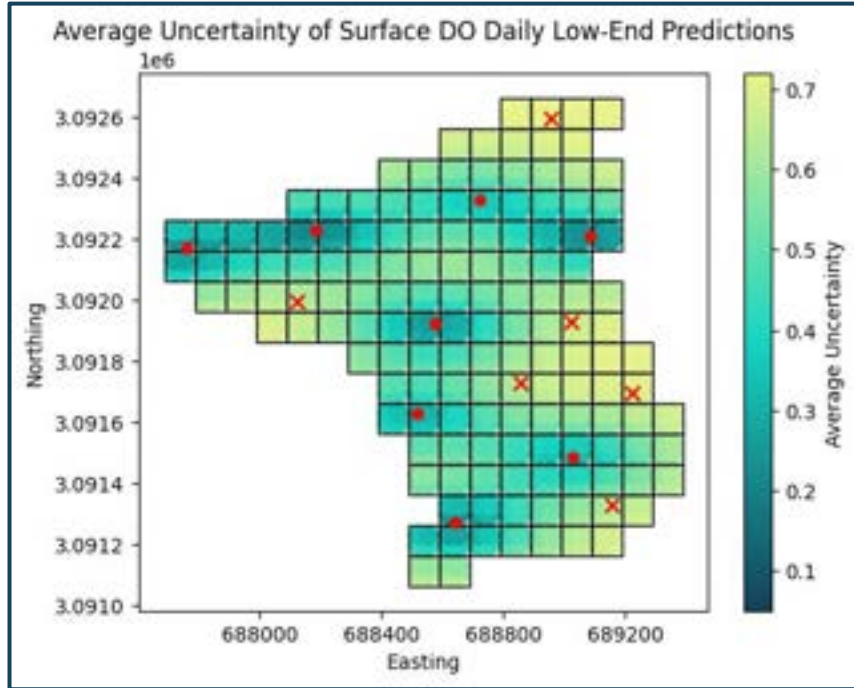
In **2D**; in **3D**; with **zero training**, natural-language prompting and **quality assurance**.



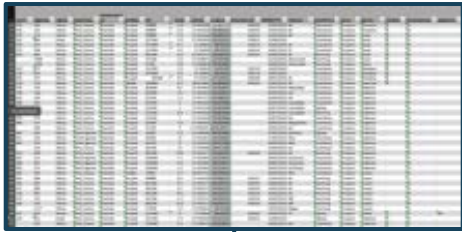
- 2D continuous growth records
- High uncertainty prompts human in the loop



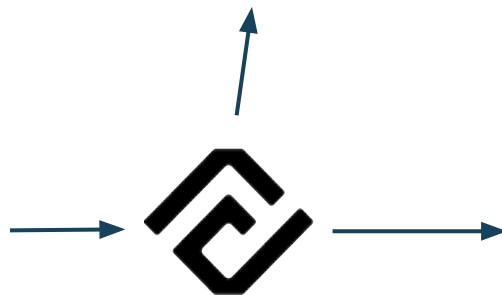
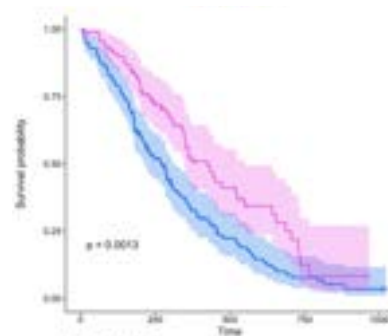
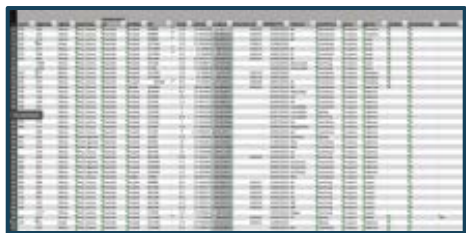
Optimal Sensor Placement

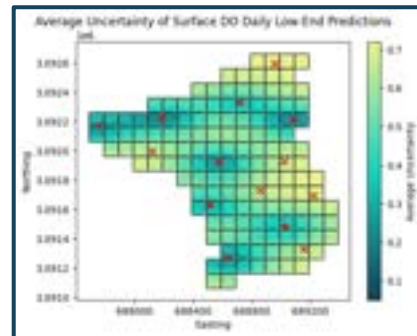


Source of truth database



Uncertainty-aware AI analysis

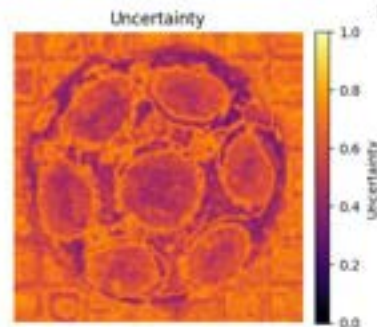




كاوست
مبادرة
إحياء الشعاب
المرجانية



KAUST
Coral
Restoration
Initiative





When Uncertainty Matters.

digilab.ai

When Uncertainty Matters

About digiLab

In a world of immense uncertainty, digiLab is a pioneering AI company that empowers governments and organisations in safety-critical or highly regulated industries to solve critical, complex, and high-stakes challenges using machine learning and uncertainty quantification.

From forging a path to clean energy to life-saving medical diagnostics and beyond, making critical decisions with unwavering confidence is difficult, especially when data is complex, sparse, or incomplete. This is where digiLab's expertise shines through.

Our trustworthy and explainable AI platform, The Uncertainty Engine, supported by our team of machine learning specialists and data scientists, enables decision-makers to accelerate innovation, reduce the risk of failure, turn insight into action, and deliver greater value through more informed and confident decisions.