

CIOOS PACIFIC

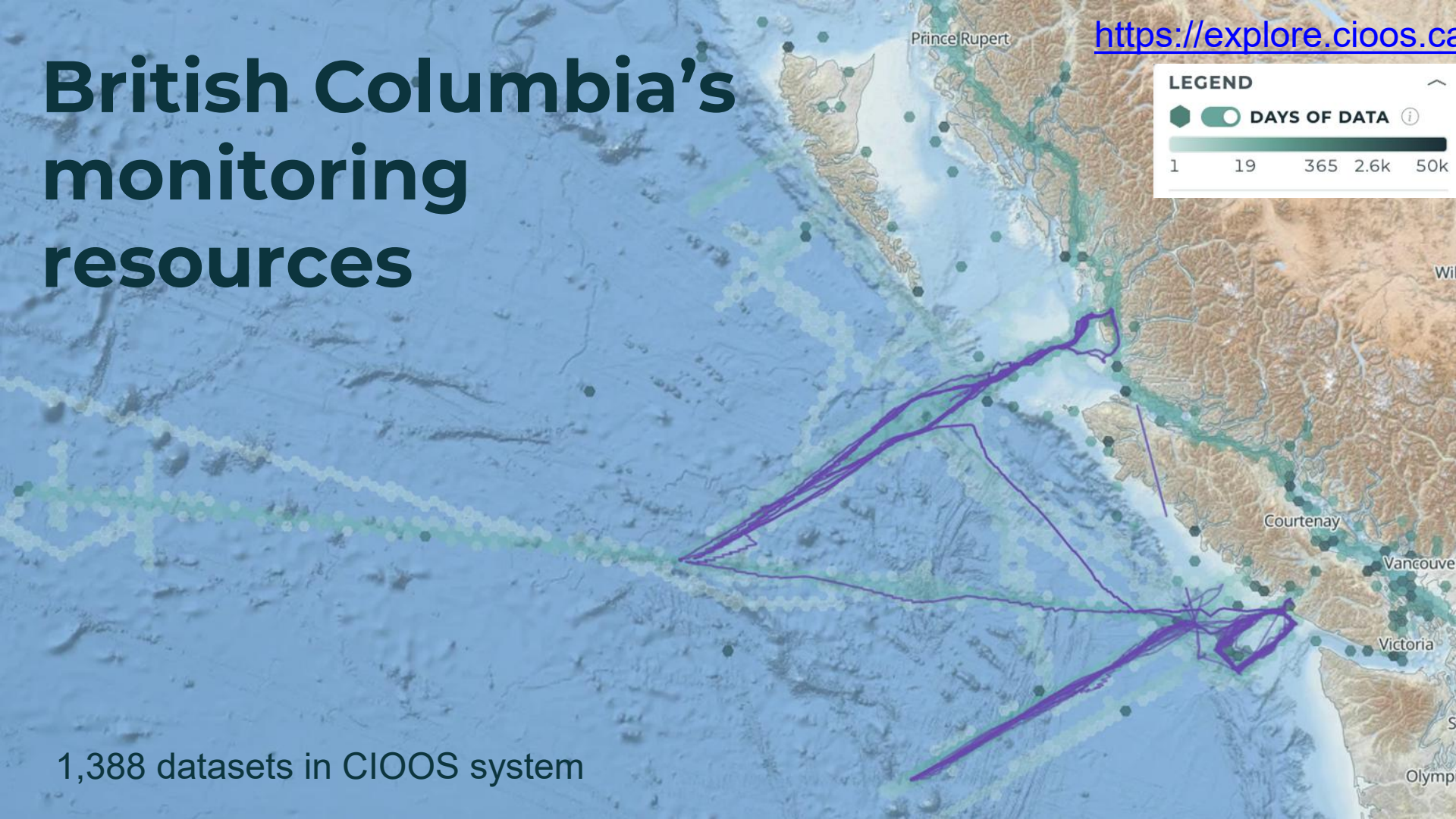
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OceanECO: an ocean monitoring tool

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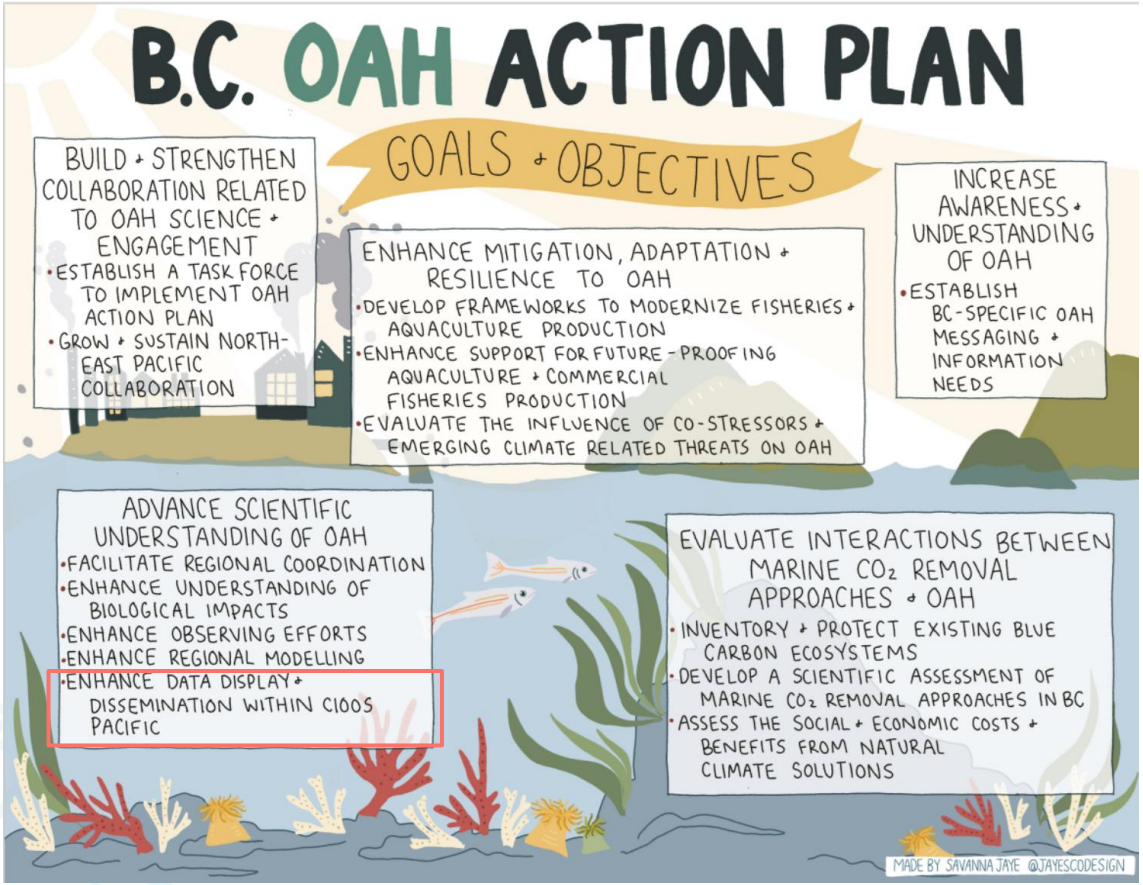
British Columbia's monitoring resources



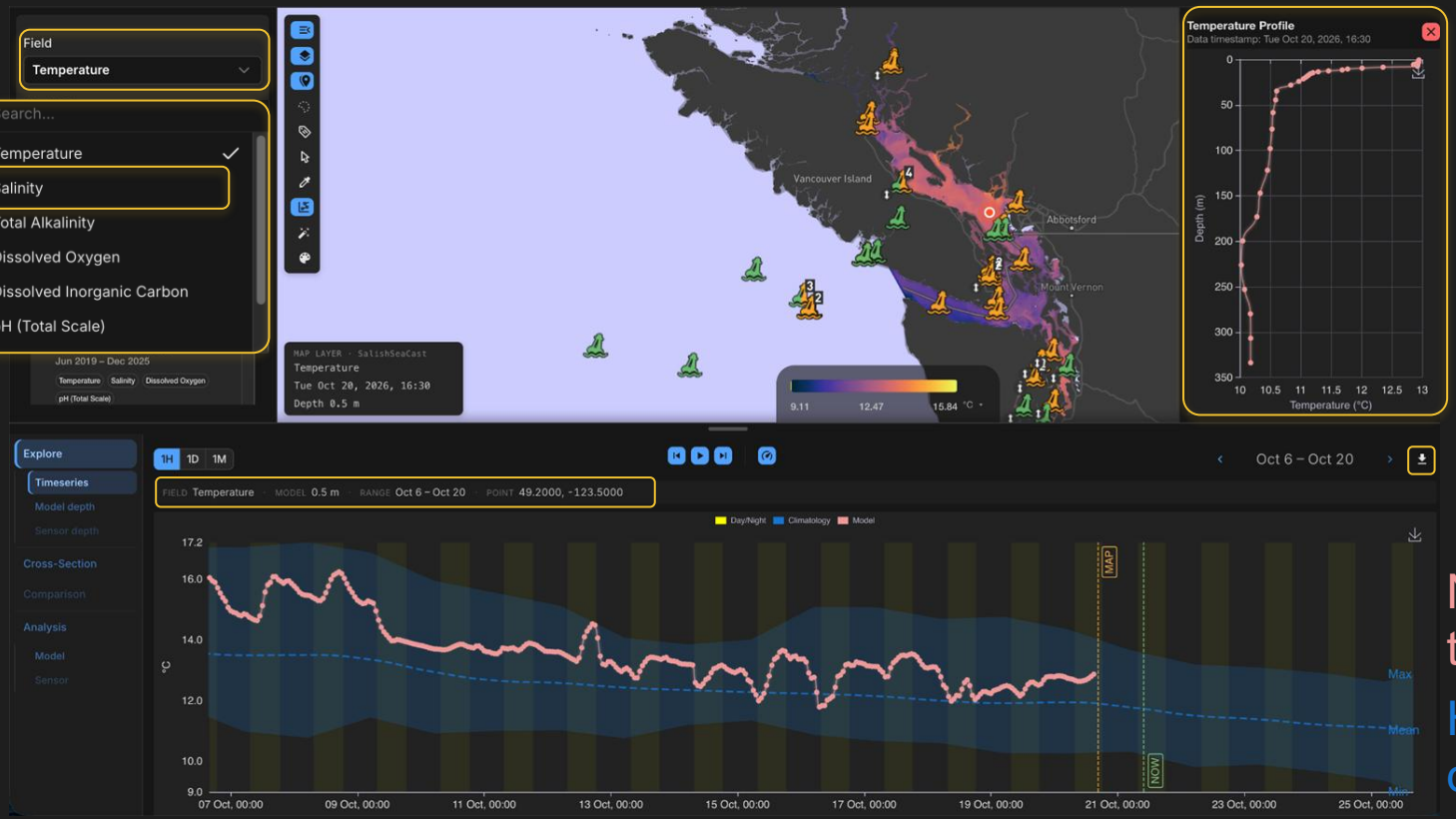
1,388 datasets in CIOOS system

The role of CIOOS in the BC OAH Action Plan

Ensure the results of observing and regional modeling efforts are readily accessible



OceanECO: access and visualize data from ocean monitoring assets

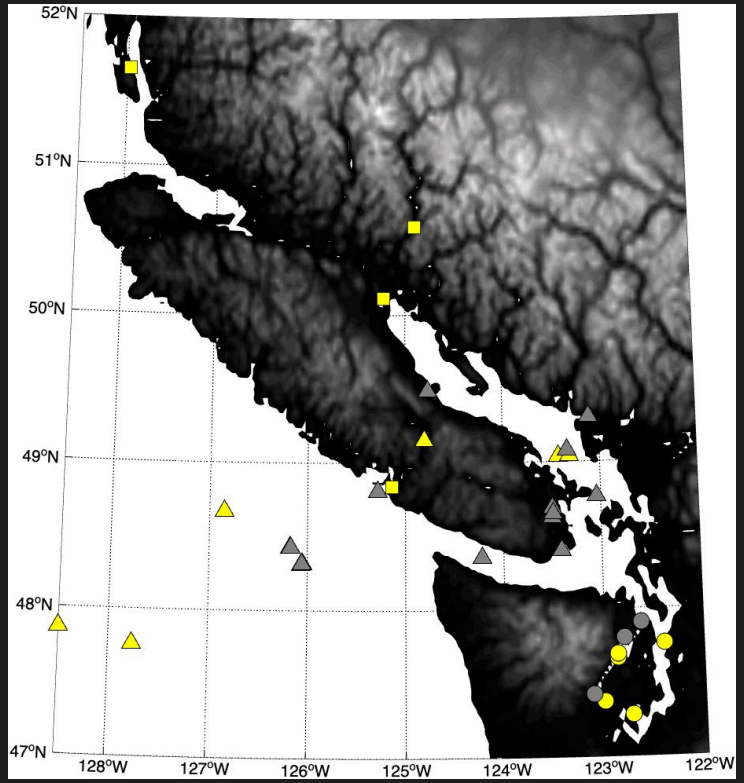


Near real-time

Historical data range



Data Inputs: Live Sensor Network



Data live streaming

Historical data

Hakai

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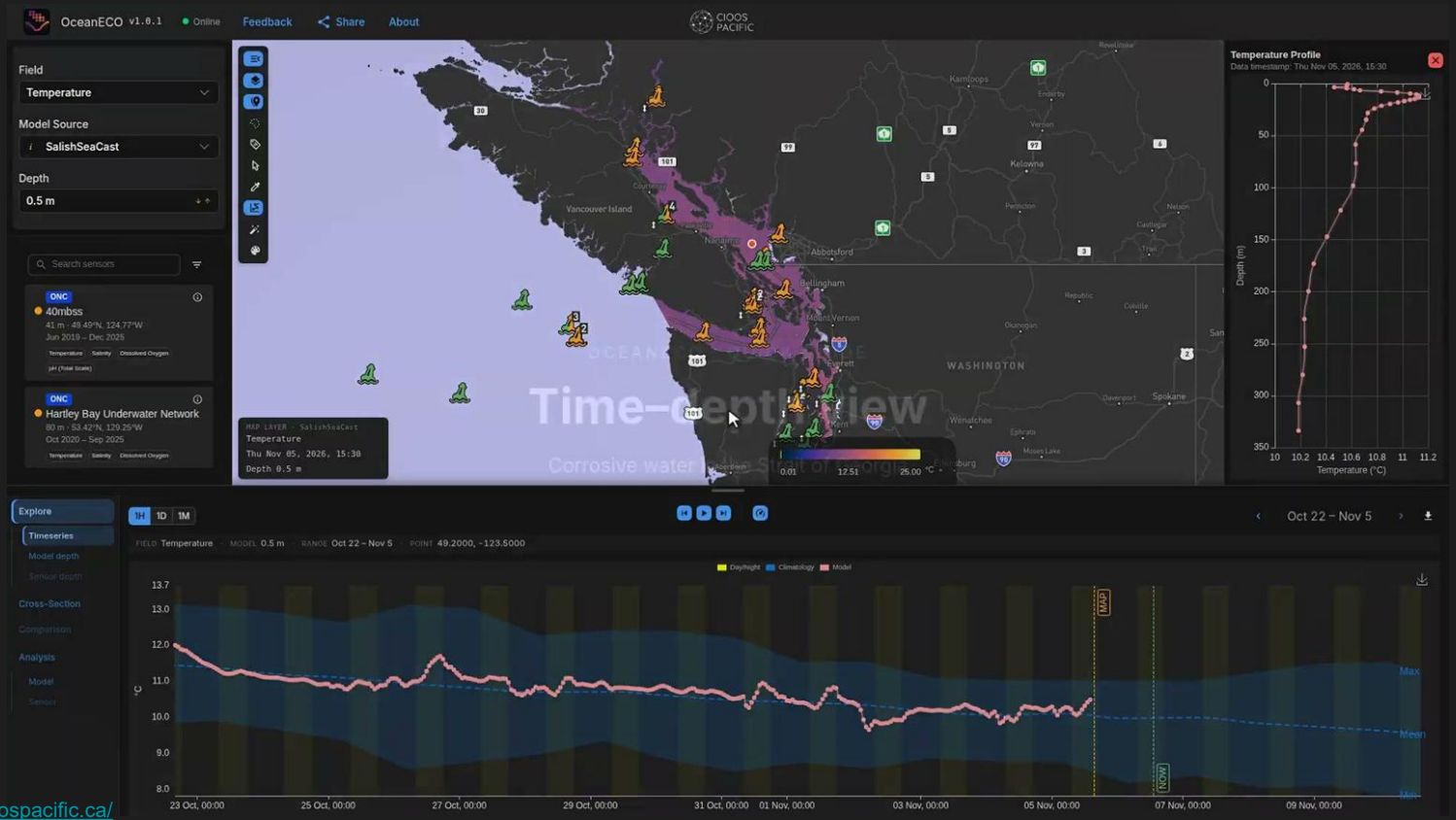
NANOOS



Data Inputs: Model Simulations

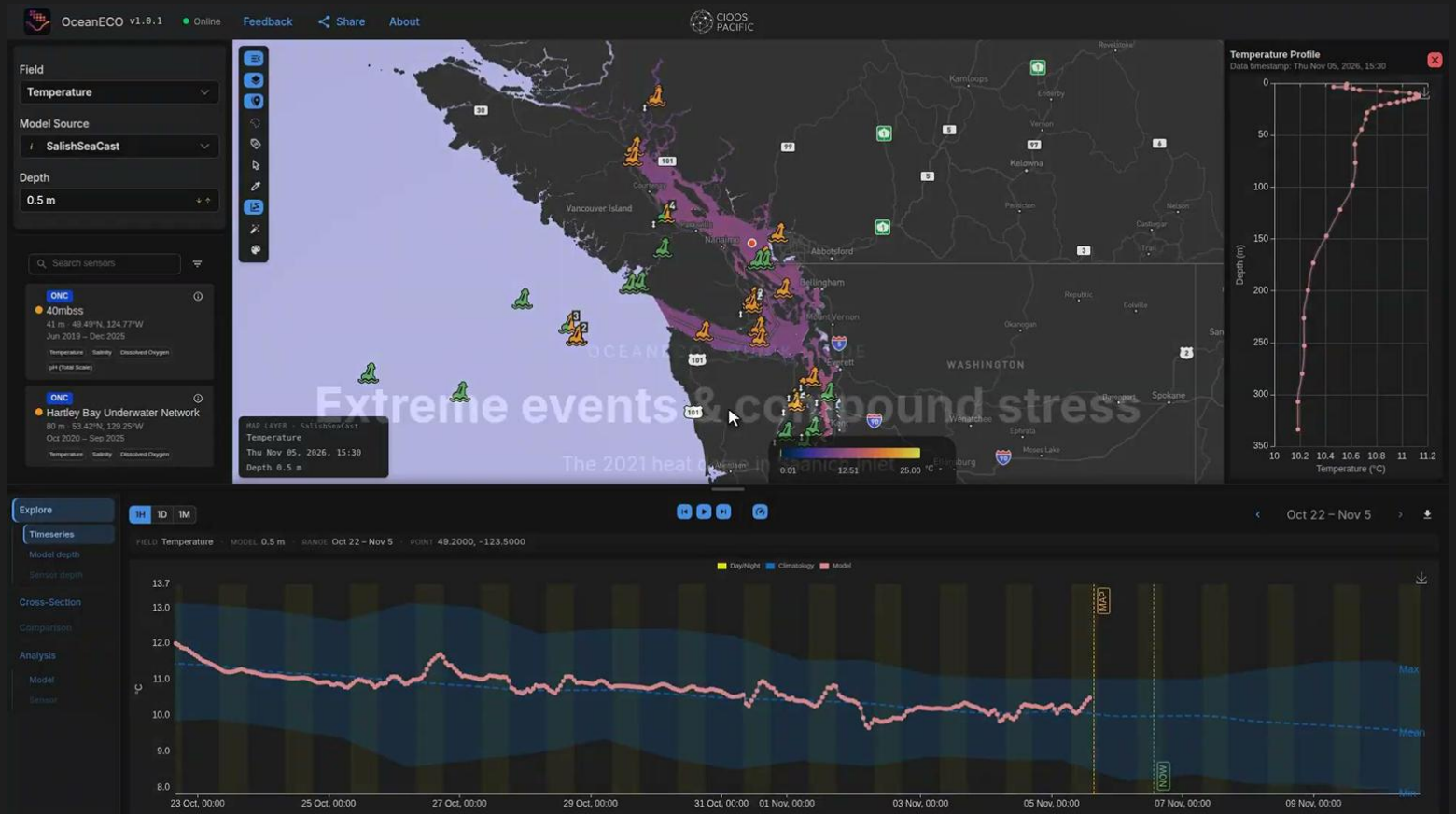
	SalishSeaCast (NEMO)	LiveOcean (ROMS)
Resolution	400-500m horizontal 1-27m vertical (40 depth levels) Hourly	500m horizontal 0.5-15m (30 depth levels) 4-Hourly
Spatial Extent	Salish Sea bounded by Juan de Fuca and Johnstone Straits	Outer coast from Oregon to Northern BC shelf region

Use OceanECO to identify where and when corrosive conditions occur in the water column

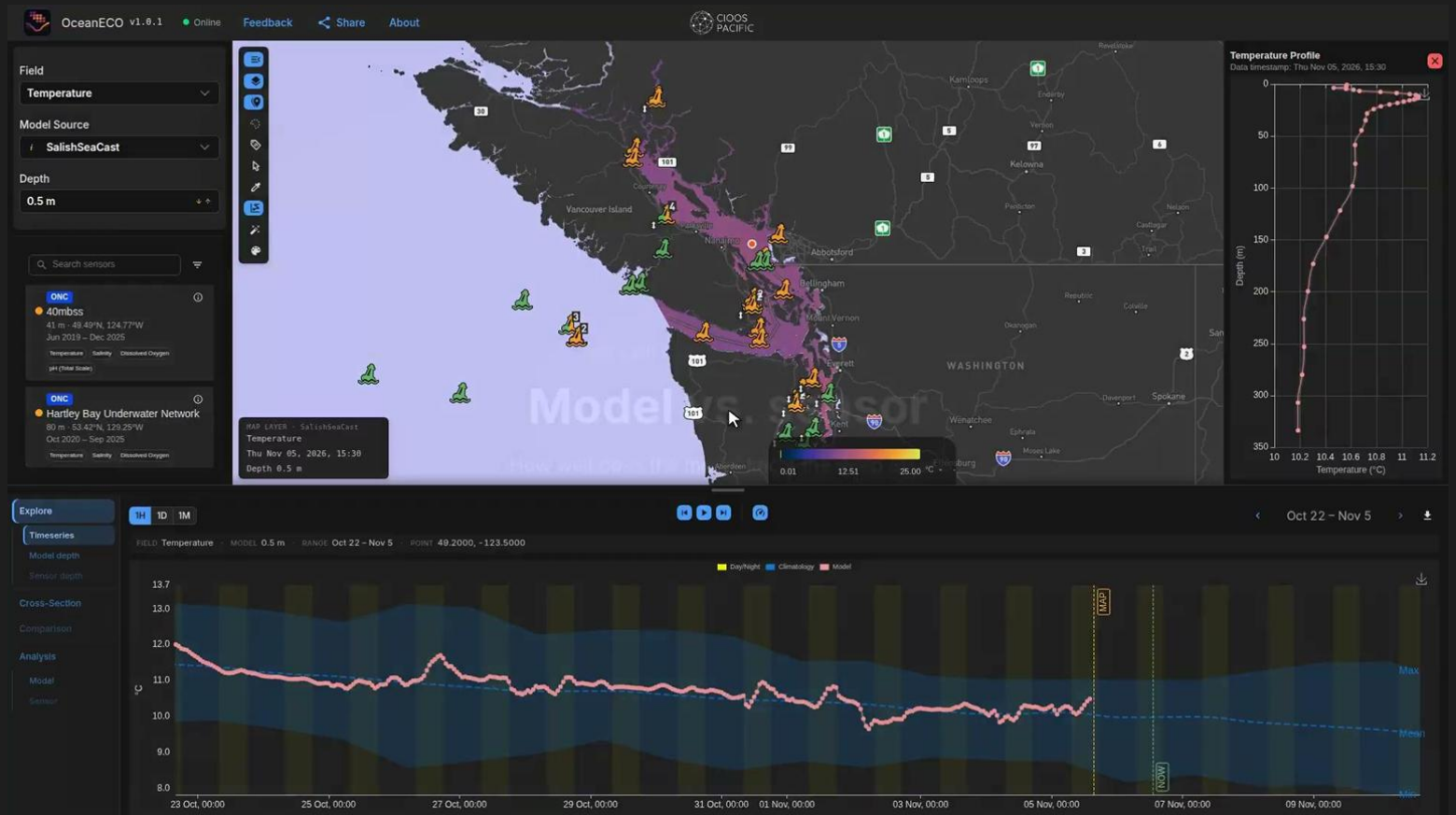


https://oceaneco.cioospacific.ca/

Use OceanECO to identify when extreme and compounding stresses occur



Do we trust the model? Tools to evaluate model performance





Acknowledgements & Questions

Useful Links:
https://oceaneco.cioospacific.ca/
cioos.ca

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