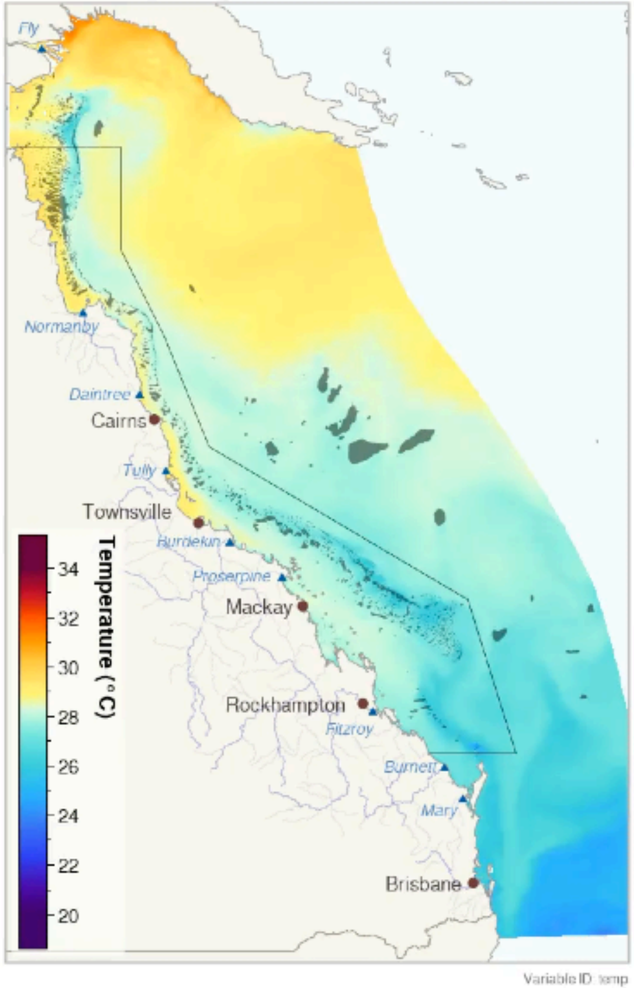
Queensland

01-Apr-2021 00:00 - 01:00 AEST

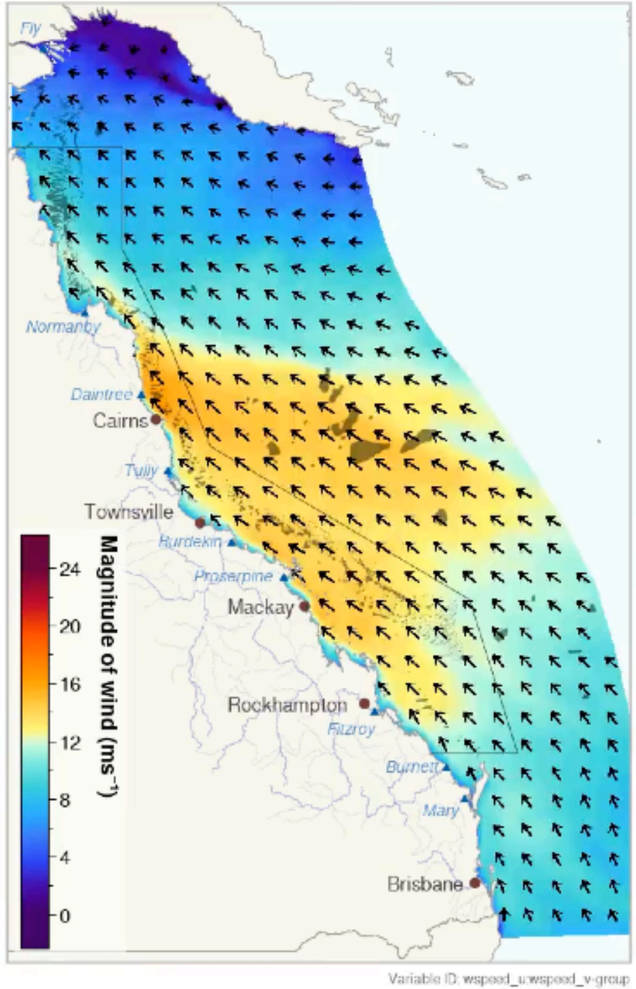
Hourly

Temperature -1.5m



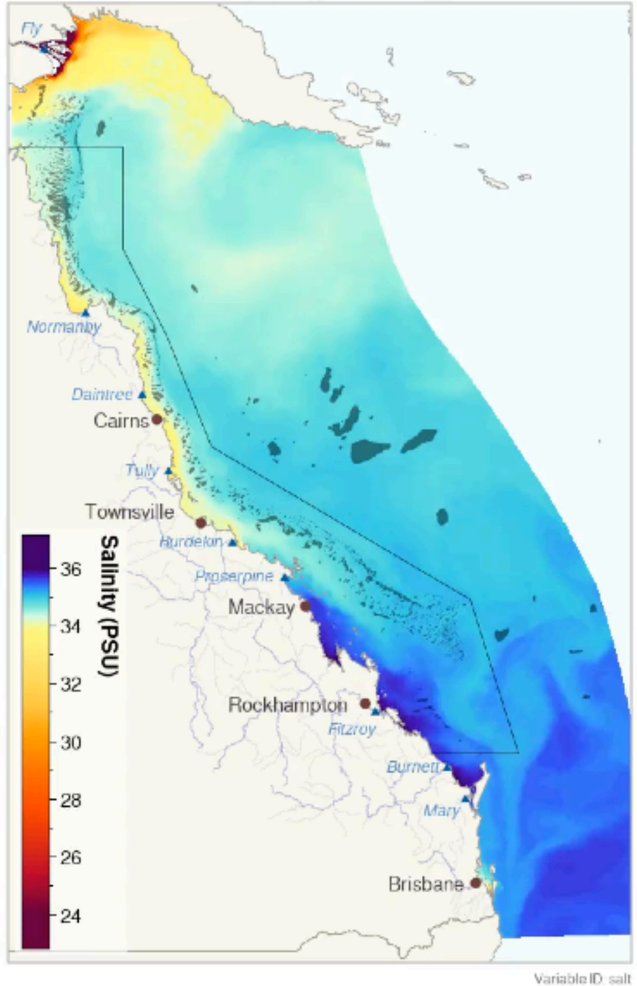
Variable ID: temp

Wind speed



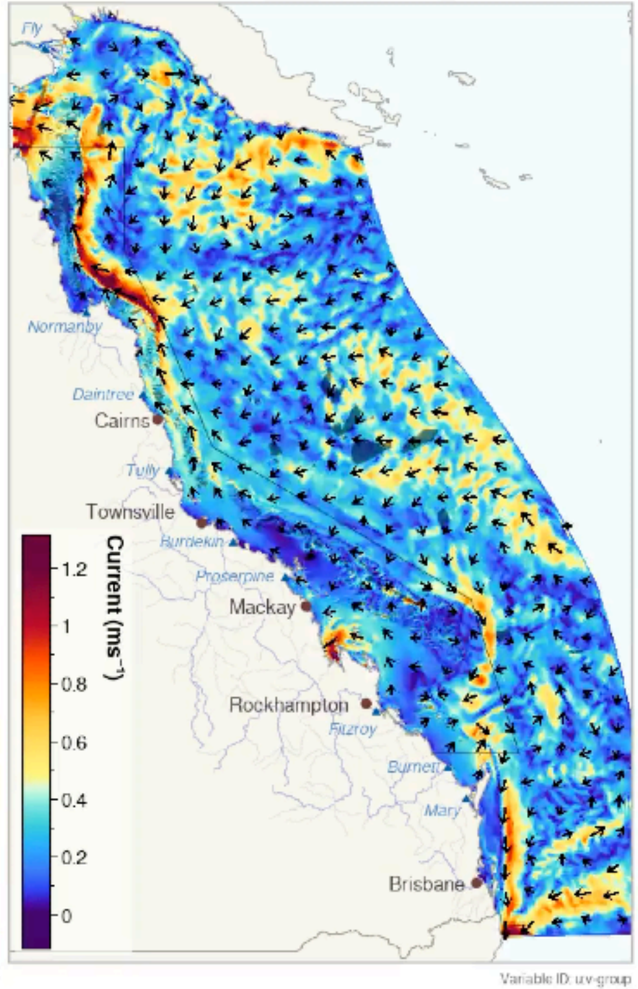
Variable ID: wspeed_u:wspeed_v-group

Salinity -1.5m



Variable ID: salt

Current -1.5m



Variable ID: u:v-group

Data: eReefs CSIRO GBR4 Hydrodynamic Model v2.0

Map generation: AIMS 03-May-2021

eReefs hydro/Bio models

We will be using the **Great Barrier Reef** as our study case and we will be evaluating past, present and future environmental changes across the region and its potential impact using the **eReefs** Hydrodynamic and BioGeoChemical models.

AUSTRALIAN INSTITUTE
OF MARINE SCIENCE


CSIRO

The **eReefs** research project is a collaboration between the *Great Barrier Reef Foundation*, *CSIRO*, the *Australian Institute of Marine Science*, *Bureau of Meteorology*, and *Queensland Government*.
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Queensland

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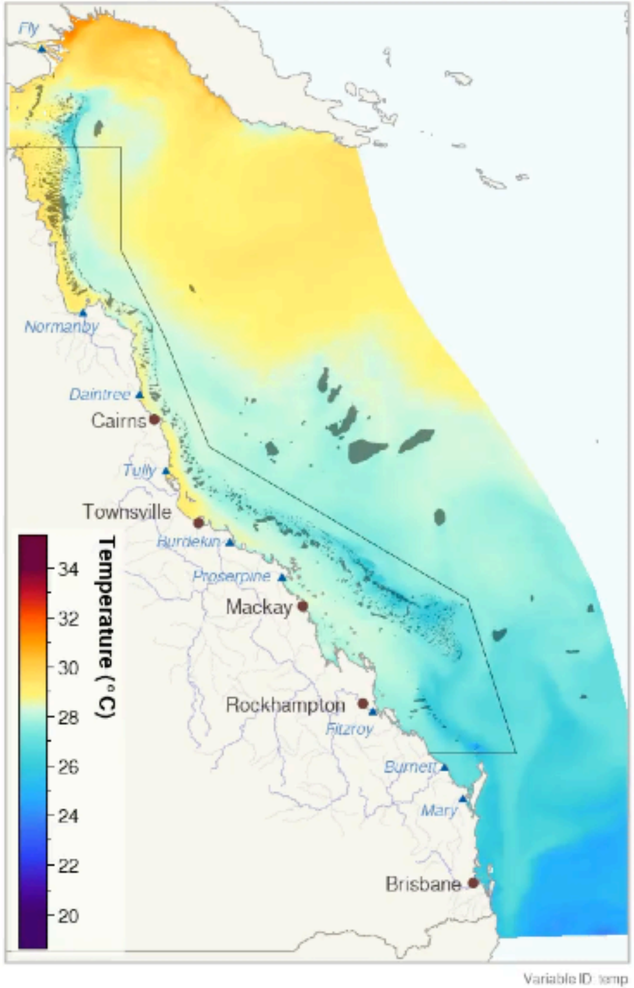
Hourly

Temperature -1.5m



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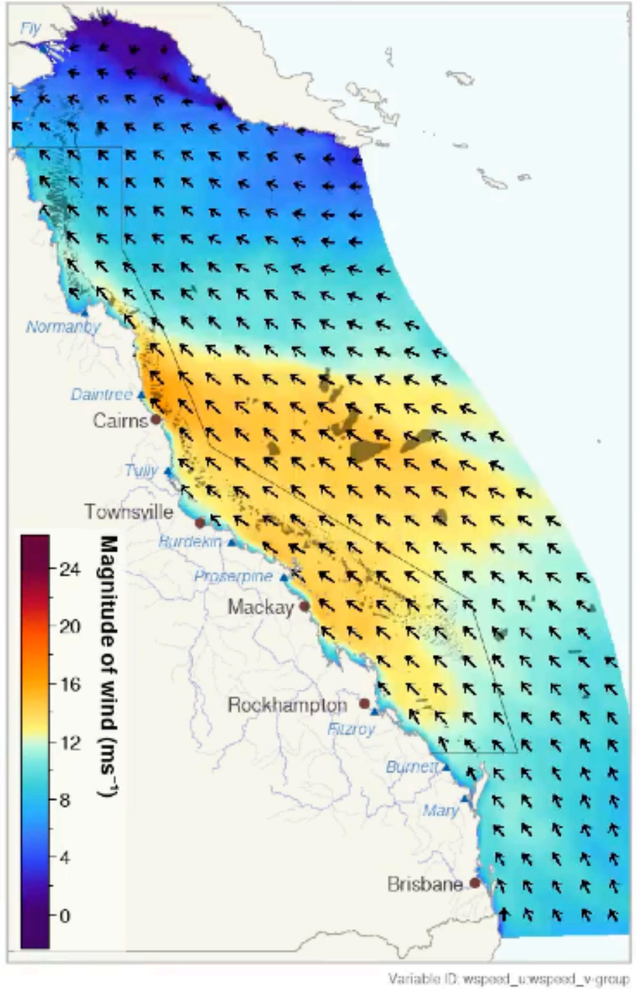
Wind speed



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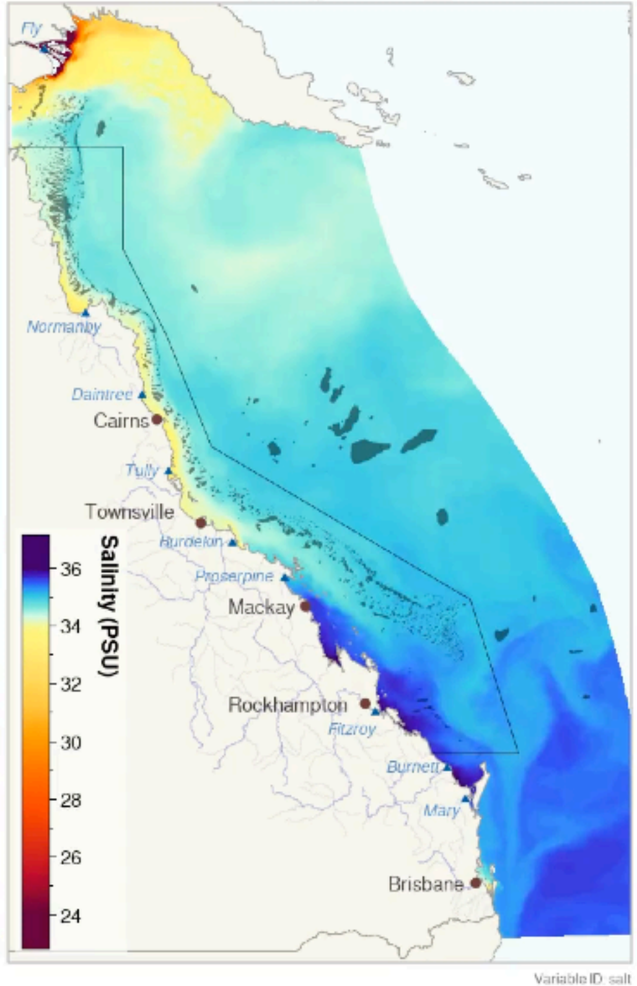

Variable ID: salt

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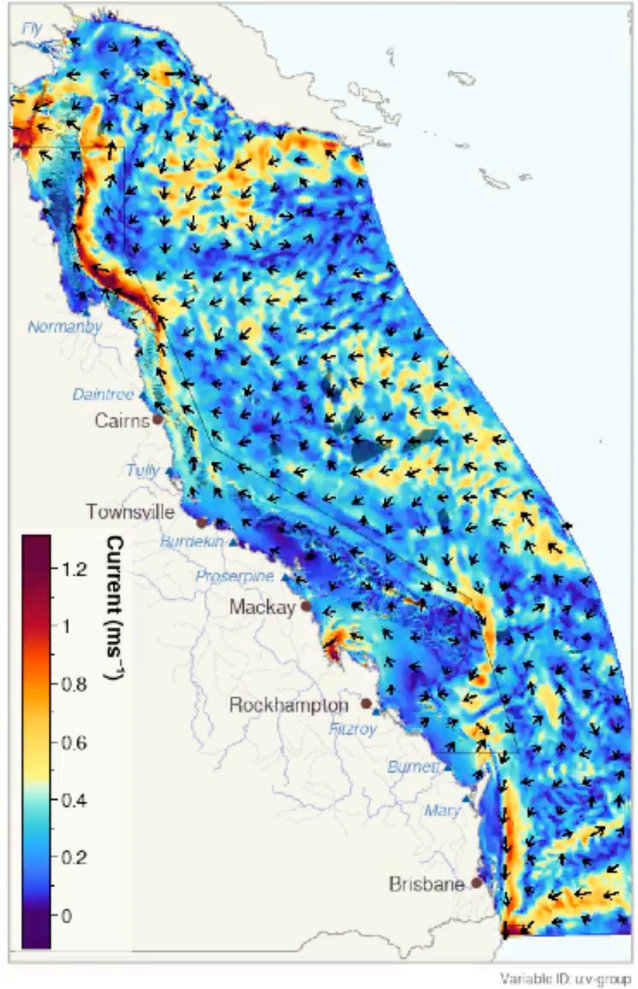

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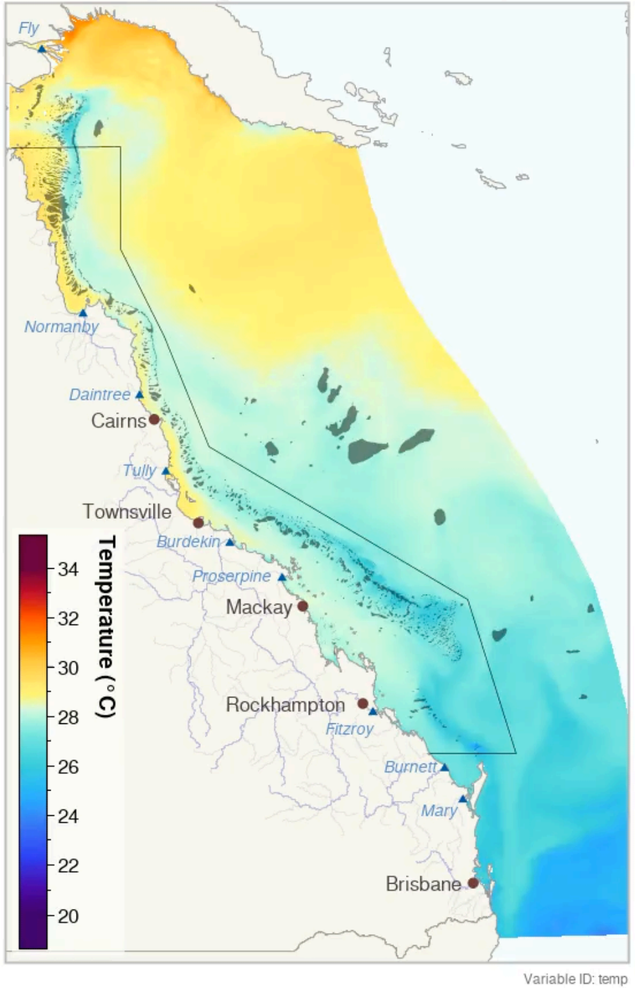

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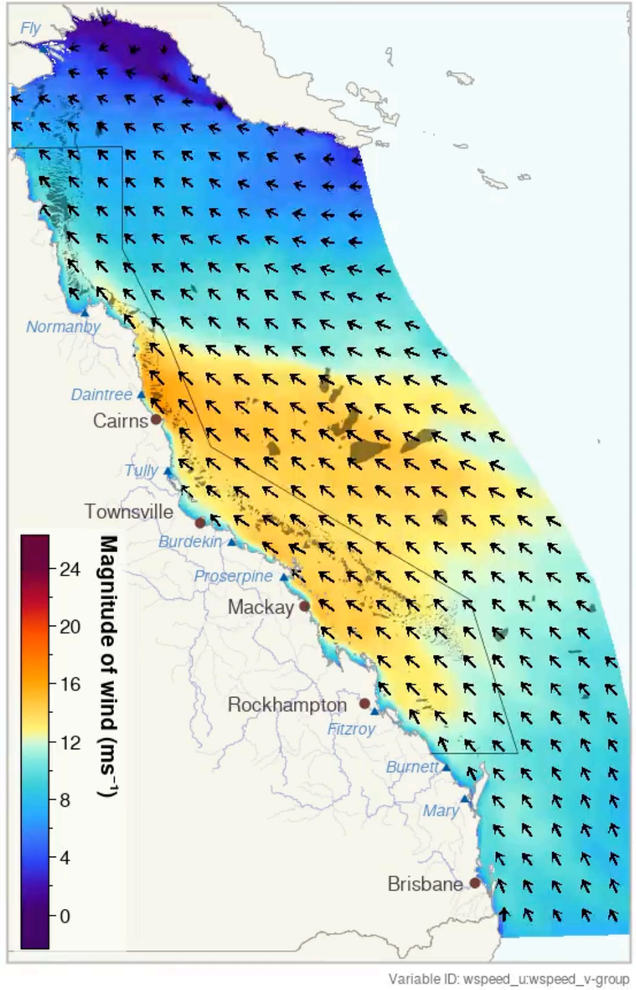
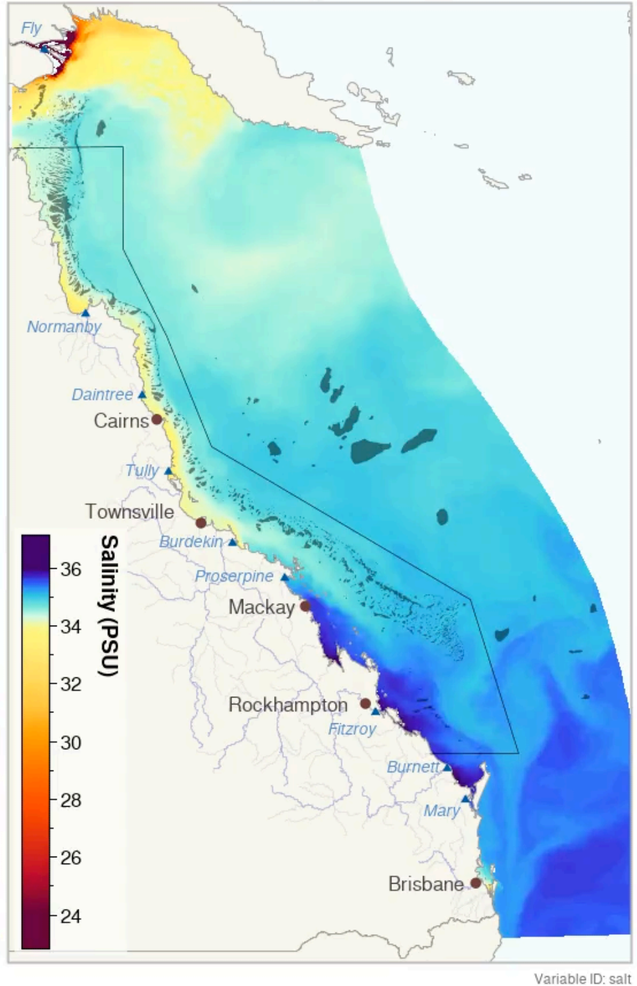
Wind speed



Variable ID: wspeed_u:wspeed_v-group

Salinity -1.5m



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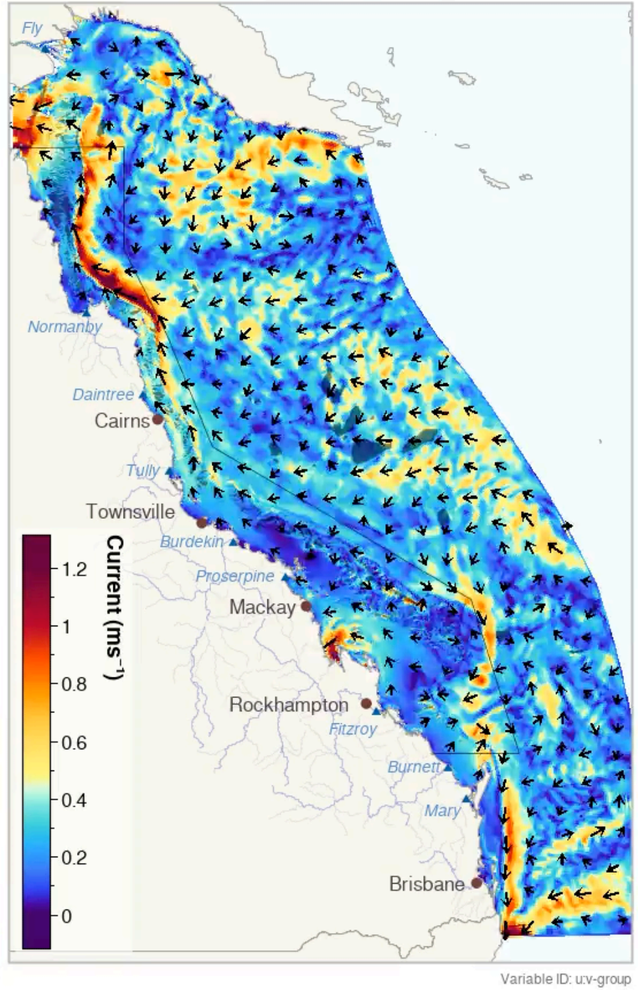
Current -1.5m



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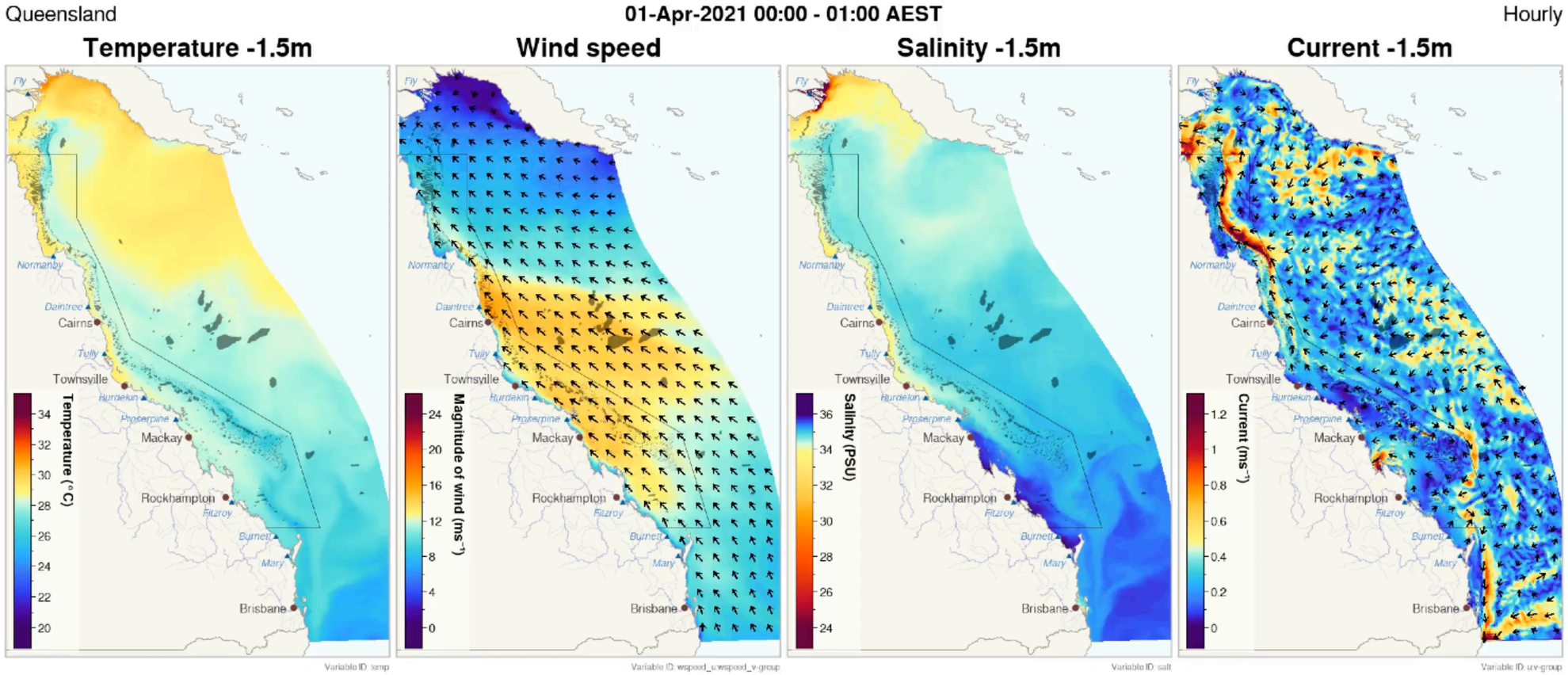
eReefs hydro/Bio models



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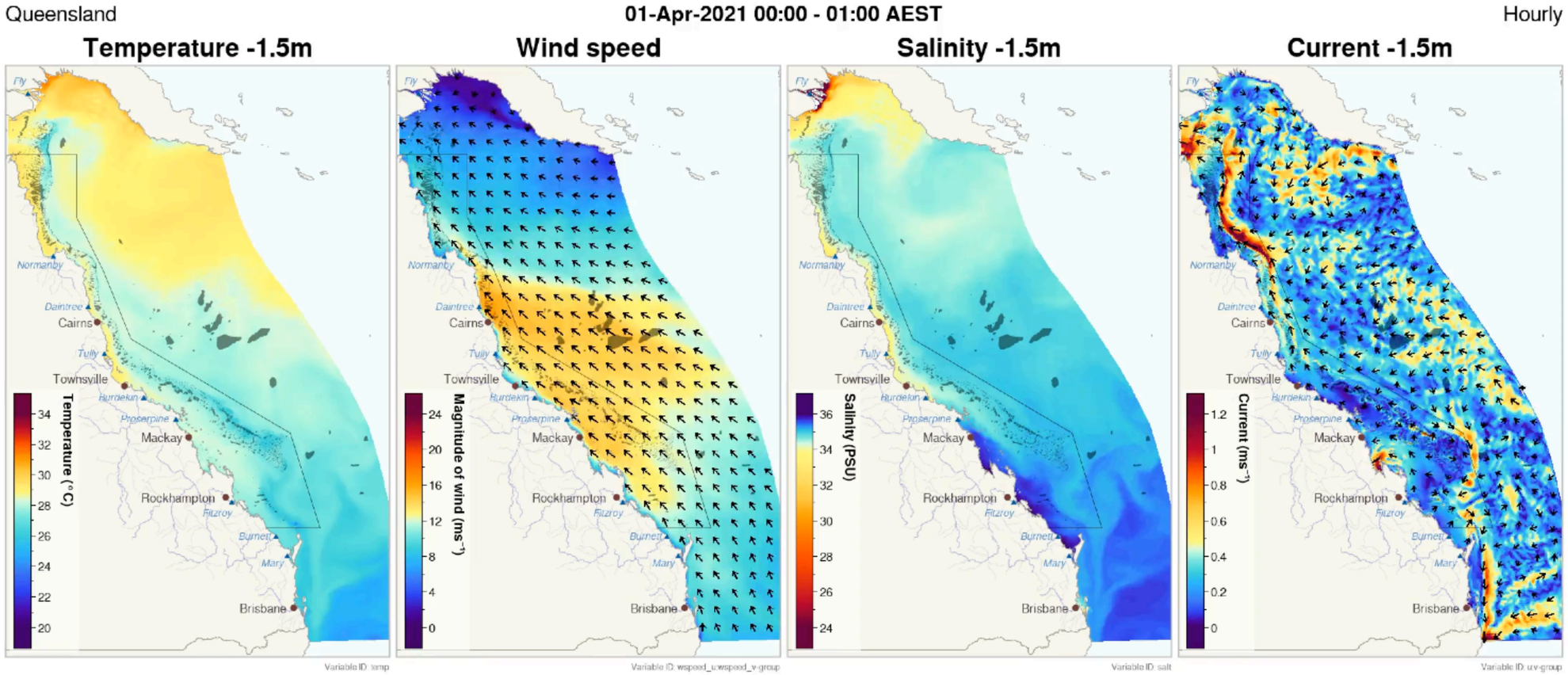
eReefs hydro/Bio models



eReefs modelling framework spans the catchments, estuaries, reef lagoon and the open ocean. It provides information on *physical processes*, *sediment transport*, *biogeochemistry* and *ocean colour*.

eReefs Hydrodynamic and **BioGeoChemical** models of the Great Barrier Reef are like weather models, but for the marine environment, providing a picture of the current and historical environmental conditions on the Great Barrier Reef.