

# MAKE OUR PLANET GREAT AGAIN



# KICKOFF CONFERENCE

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PARIS

## CONTaCTS

### Consistent Ocean Turbulence for Climate Simulators



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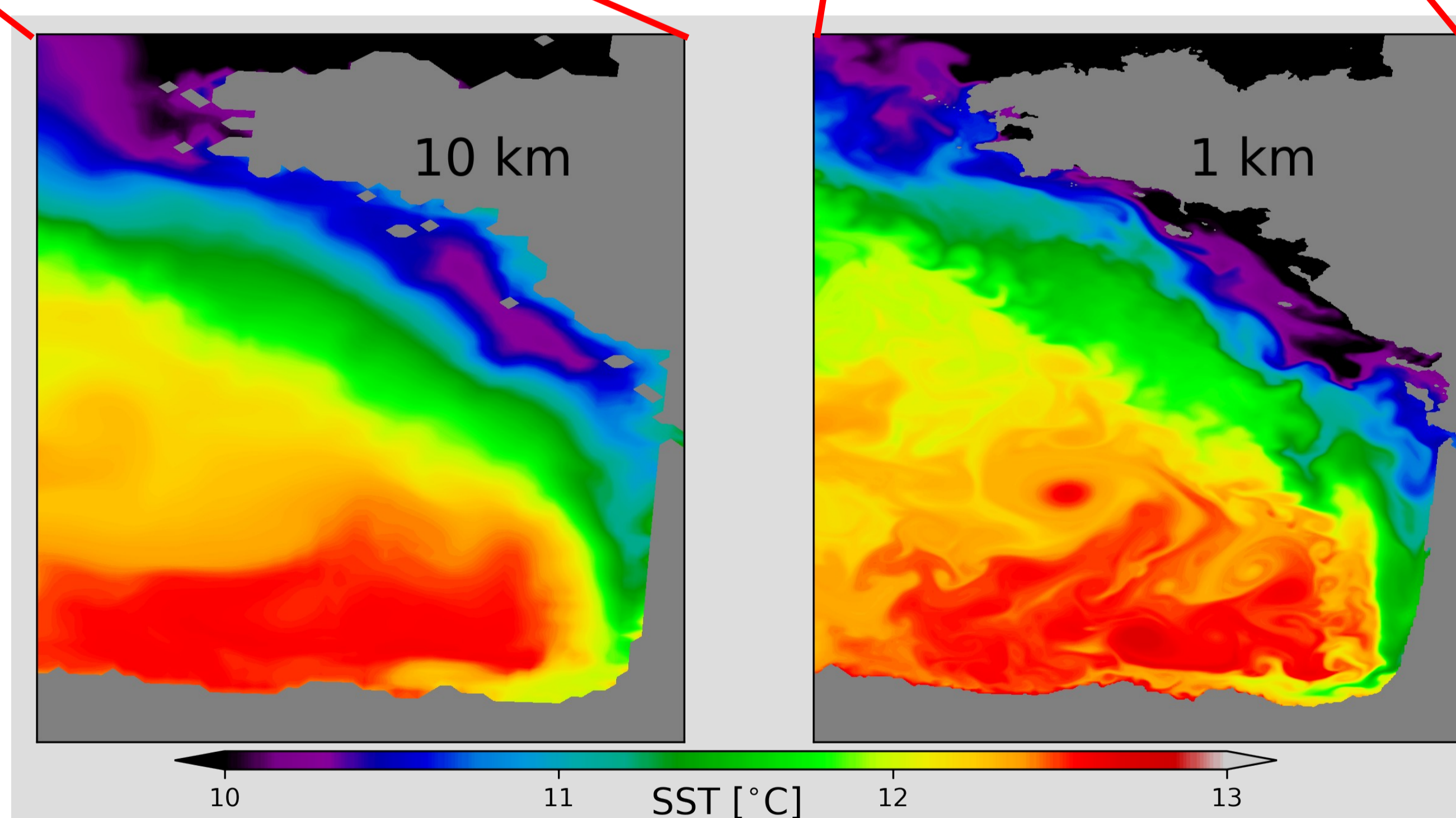
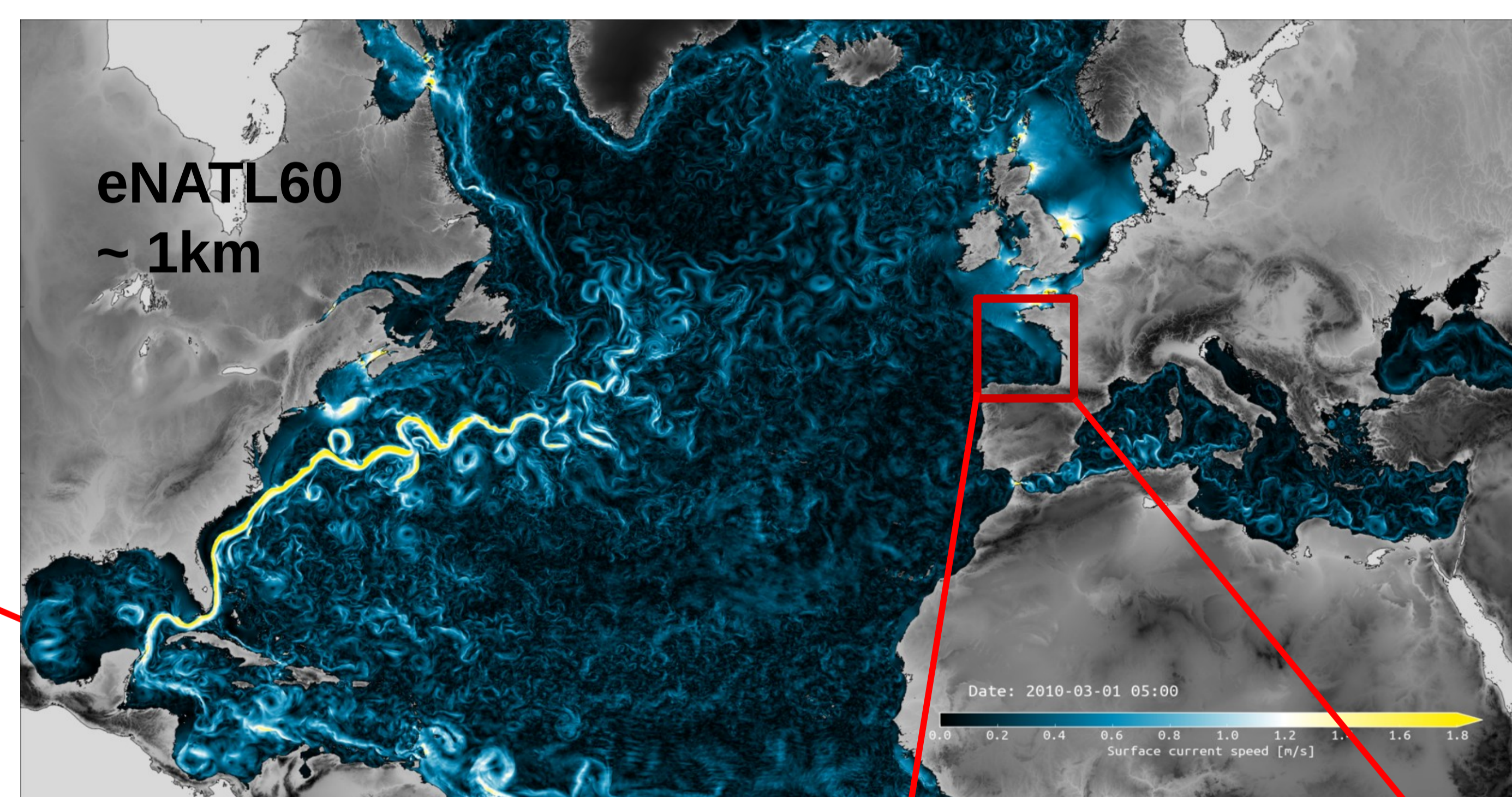
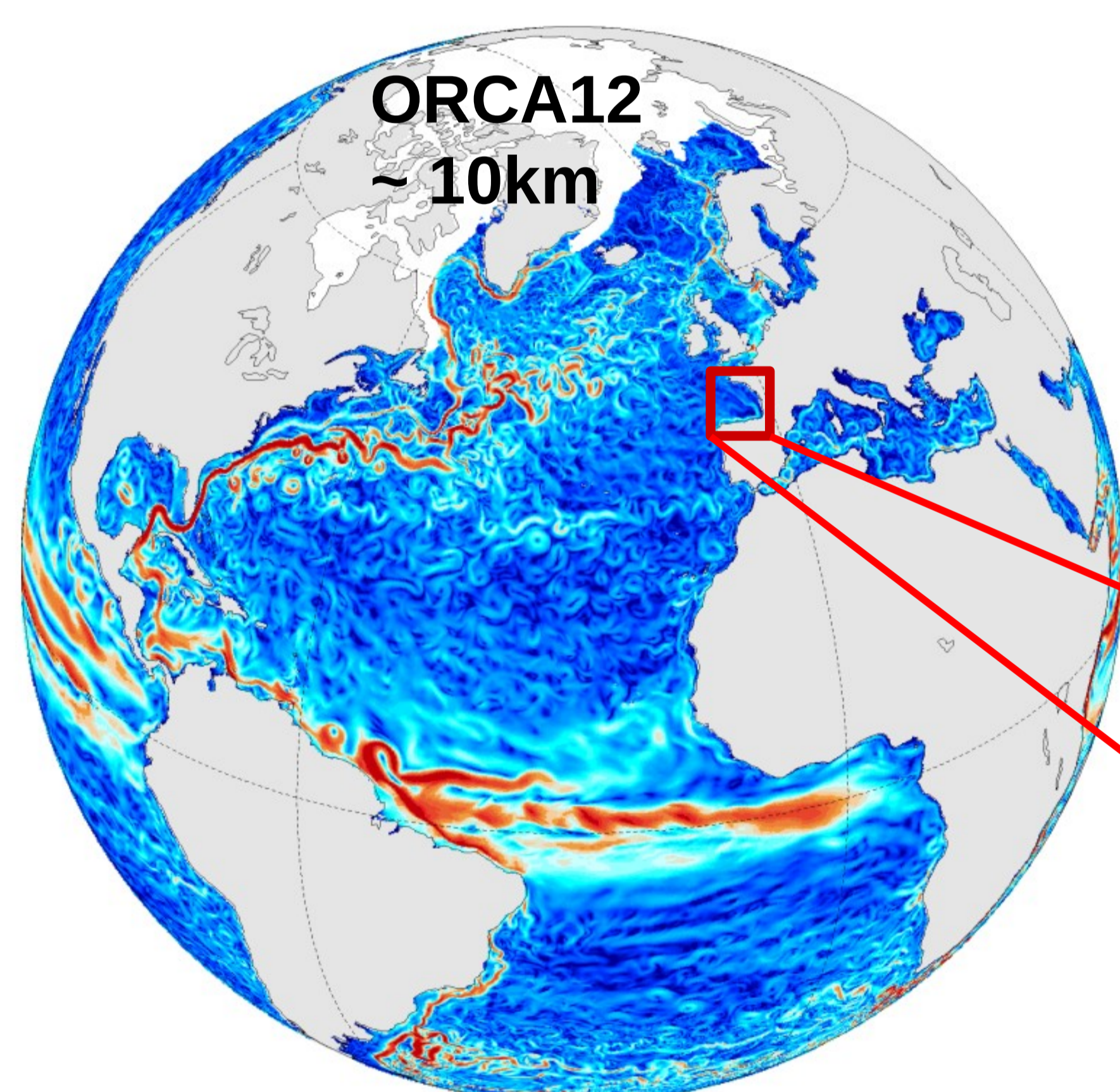
Quentin Jamet



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**ORCA12:** Ocean component of the next generation climate models. Simulates part of the ocean 'weather' (eddies, ~100 km)

**eNATL60:** The largest basin-scale fine resolution ocean simulation ever



- Crude representation of eddy-to-small scale energy transfers in ORCA12
- Possible inconsistencies in future climate projections

## OBJECTIVES

Use eNATL60 to improve ORCA12 and parameterize eddy-to-small scale interactions, with a focus on boundary layers (surface and bottom)

