



NANSEN-TUTU CENTRE
MARINE ENVIRONMENTAL RESEARCH

TRIATLAS 

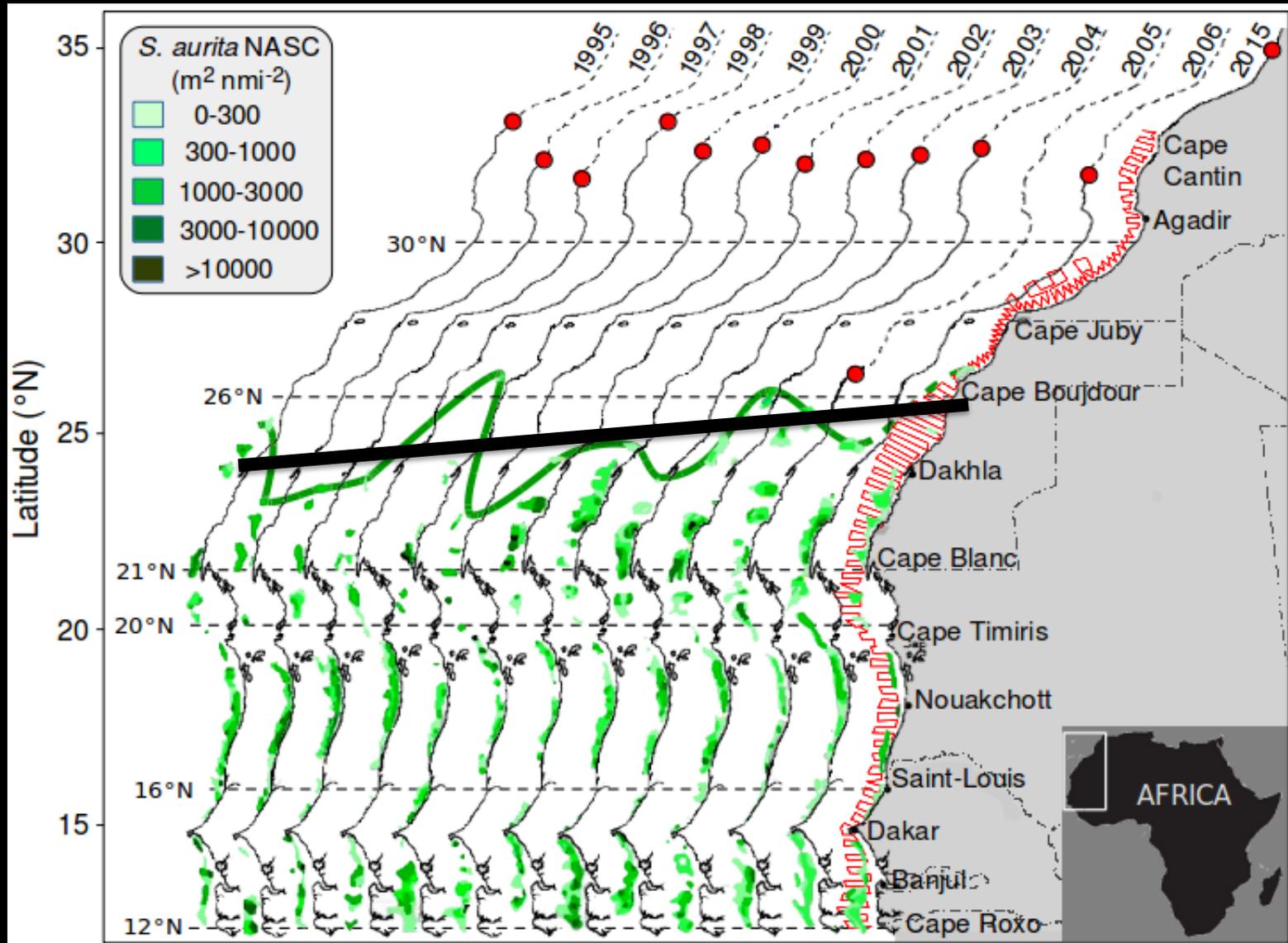
Introduction and goals of summer school and workshop

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Climate change driven northward Shift in Sardinella



Meeting the societal demand

- We need to understand how climate change and other anthropogenic factors are impacting ecosystems across the Atlantic
- We need to be able to best predict possible future changes in the ecosystem
- We need to ensure this information is useful and available to society

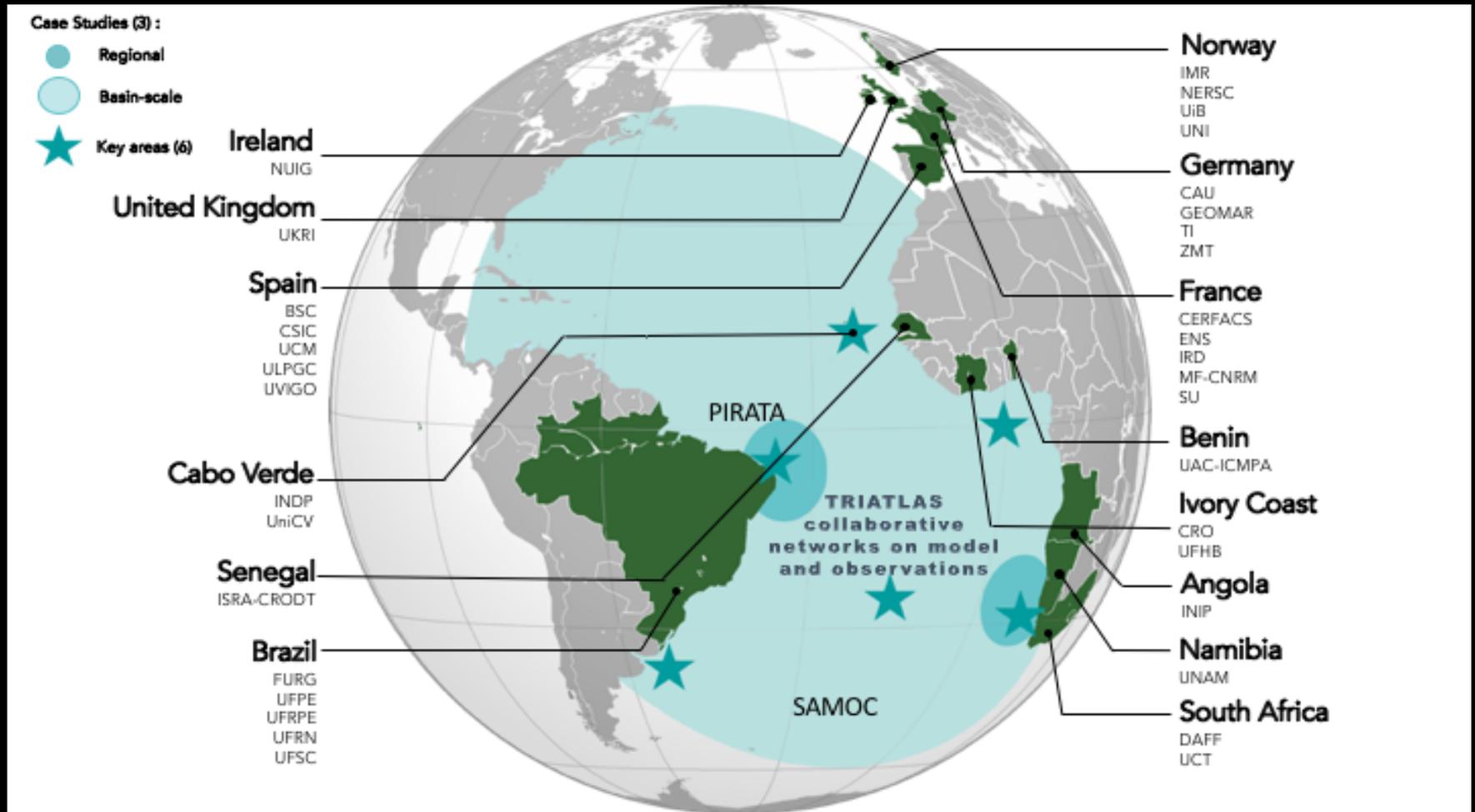
The time is right to meet the demand

- New physical and biological observations are becoming available
- There have been recent advances in understanding and modelling tropical Atlantic climate

TRIATLAS: South and Tropical Atlantic climate-based marine ecosystem prediction for sustainable management

34 partners, with total budget: 11 m EUR

H2020, BG-08-2018: All Atlantic Research Alliance Flagship



Overall objective and plan

- To assess the status of the South and Tropical Atlantic marine ecosystem and develop a framework for predicting its future changes, from months to decades, and thus to contribute to the sustainable management of human activities in the Atlantic Ocean as a whole.
- This will be achieved by combining ecosystem observations, climate-based ecosystem prediction and information on future socio-economic and ecosystem service changes

TRIATLAS CONCEPT

CT1 – Current state of the tropical Atlantic marine ecosystem; existing and new physical, ecological, and social observations

CT4 Knowledge exchange and societal impacts

Contextualised IPCC shared socio-economic pathways

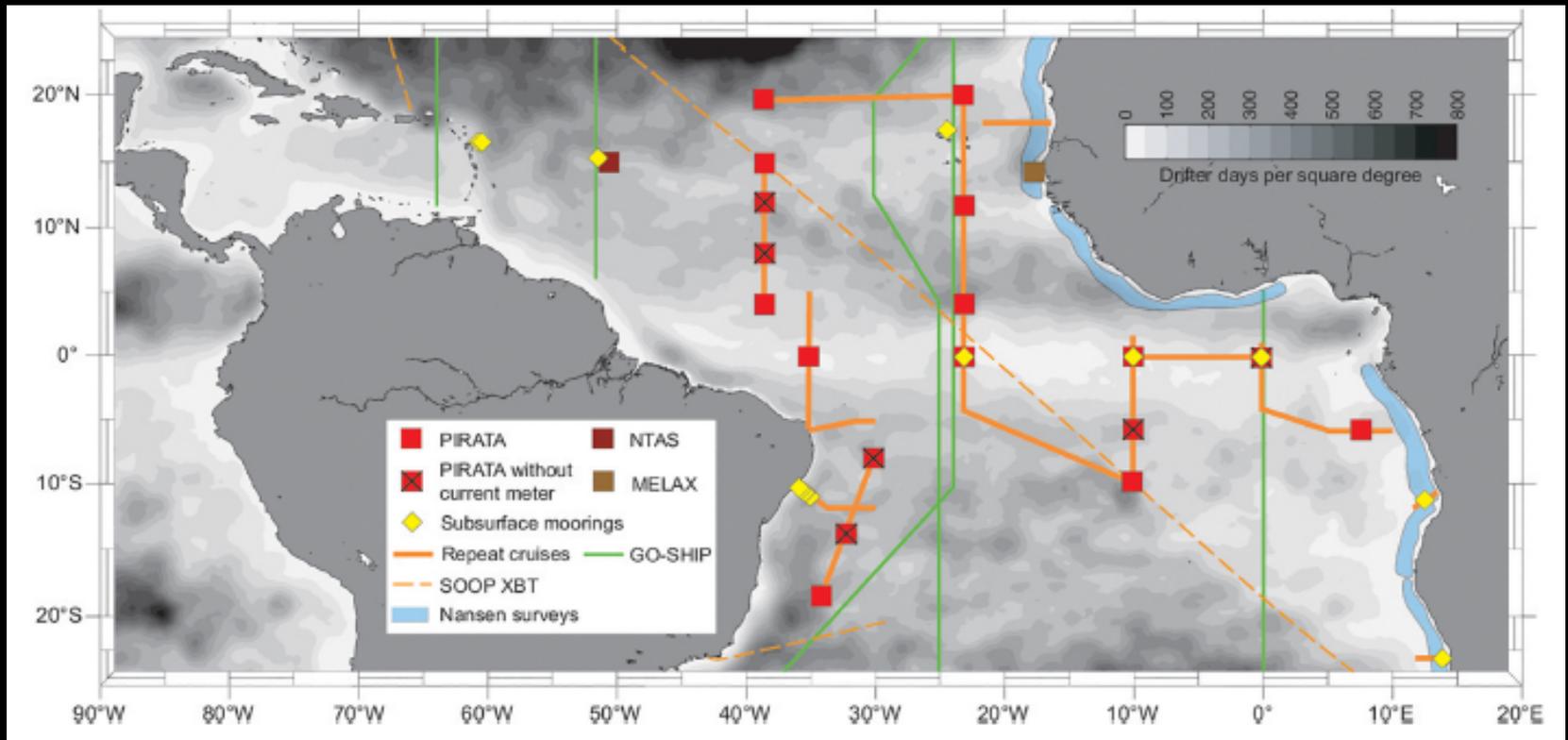
Science to policy workshops

Cross-Atlantic Network of Excellence in Marine Sciences (CANEMS)

CT2 – Improved understanding of the ecosystem changes, including of major extremes and ecosystem shifts

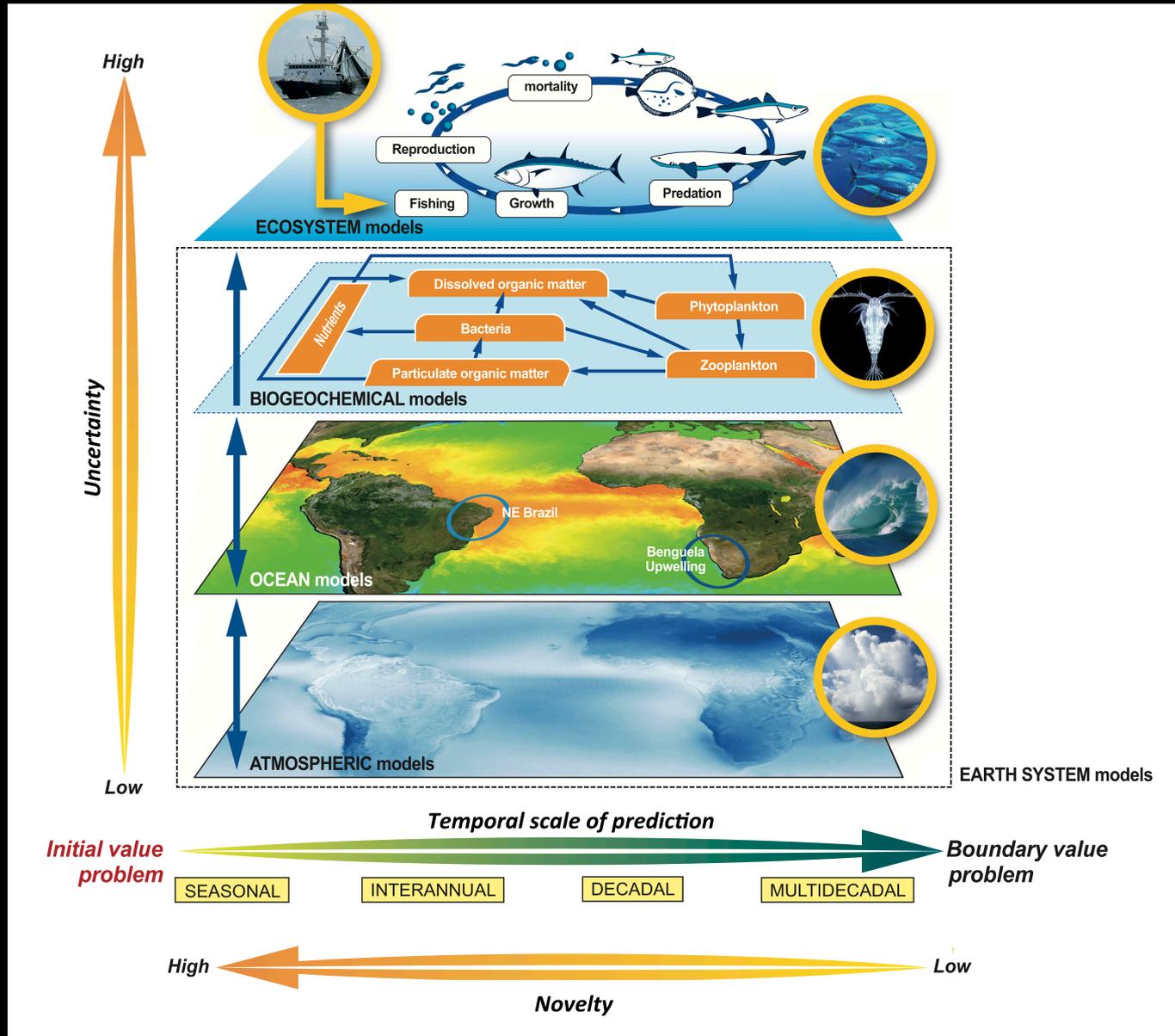
CT3 – Identify potential to predict ecosystem changes on seasonal and longer-timescales

Tropical Atlantic Observing System



TRIATLAS will incorporate biological observations and observations from further south

Climate-based ecosystem prediction



What the summer school wants to achieve

- Build an interdisciplinary group of researchers to address the challenges in understanding the impact of climate on marine ecosystems and fisheries
- Enhance the scientific cooperation across the Atlantic (West-East and South-North)

