FLAME: Future Coastal Ocean Climates
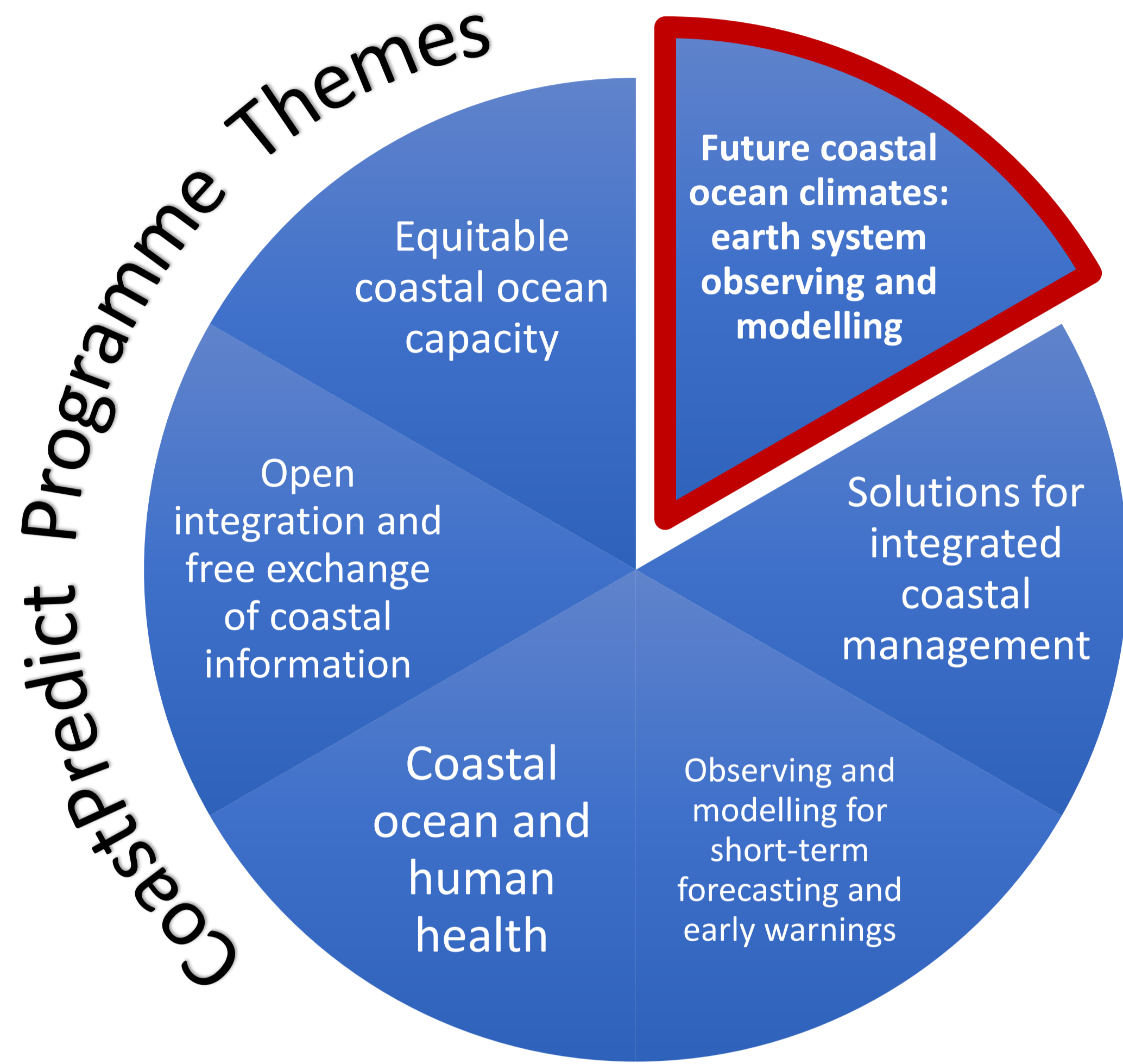
An endorsed UN Decade Action within the CoastPredict Programme

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GOOS | CoastPredict with The Global Ocean Observing System

2021 2030 United Nations Decade of Ocean Science for Sustainable Development

CoastPredict Programme Themes

- Equitable coastal ocean capacity
- Future coastal ocean climates: earth system observing and modelling
- Open integration and free exchange of coastal information
- Solutions for integrated coastal management
- Coastal ocean and human health
- Observing and modelling for short-term forecasting and early warnings
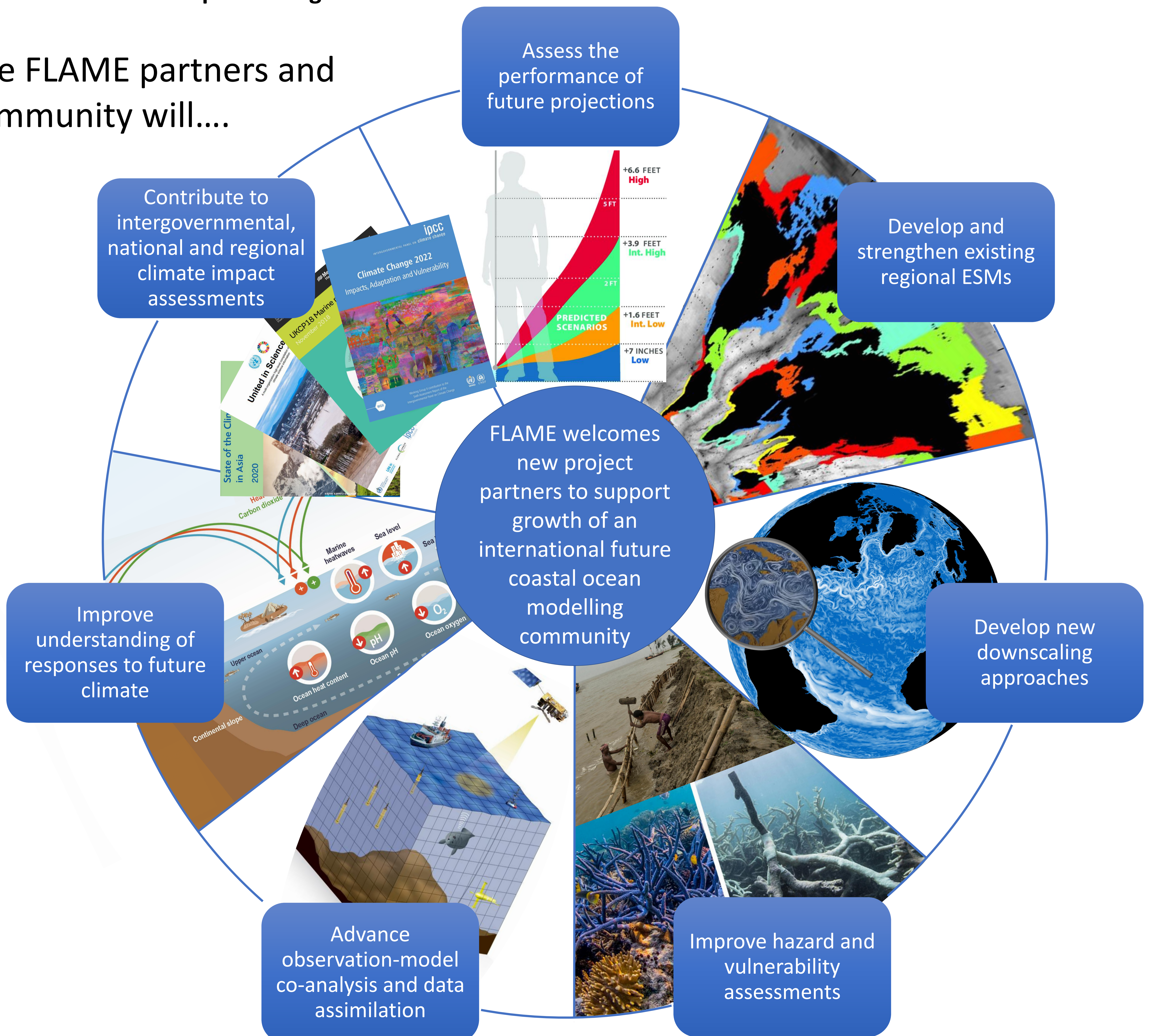
www.coastpredict.org

FLAME is a core project of CoastPredicts Future coastal oceans: earth system observing and modelling focus area

The **FLAME objectives** are:

- To provide innovative, high-resolution , downscaled decadal to centennial projections of future coastal ocean climates.

- To improve understanding of the impacts on **coastal habitats and ecosystems, hazards, services and resources**.

- To provide of tools and information at local-regional scales necessary for informed decision making.

The FLAME partners and community will….

- Assess the performance of future projections
- Contribute to intergovernmental, national and regional climate impact assessments
- Develop and strengthen existing regional ESMs
- FLAME welcomes new project partners to support growth of an international future coastal ocean modelling community
- Develop new downscaling approaches
- Improve understanding of responses to future climate
- Improve hazard and vulnerability assessments
- Advance observation-model co-analysis and data assimilation

Get involved by contacting Jo Hopkins (joanne.hopkins@noc.ac.uk) and Anna Katavouta (annkat@noc.ac.uk)