



Bridging marine research in the Caribbean
with global policy and targets:

Perspectives from the BIOPAMA programme

EU-Caribbean workshop on marine scientific cooperation

14 –15 November 2023, Bridgetown, Barbados

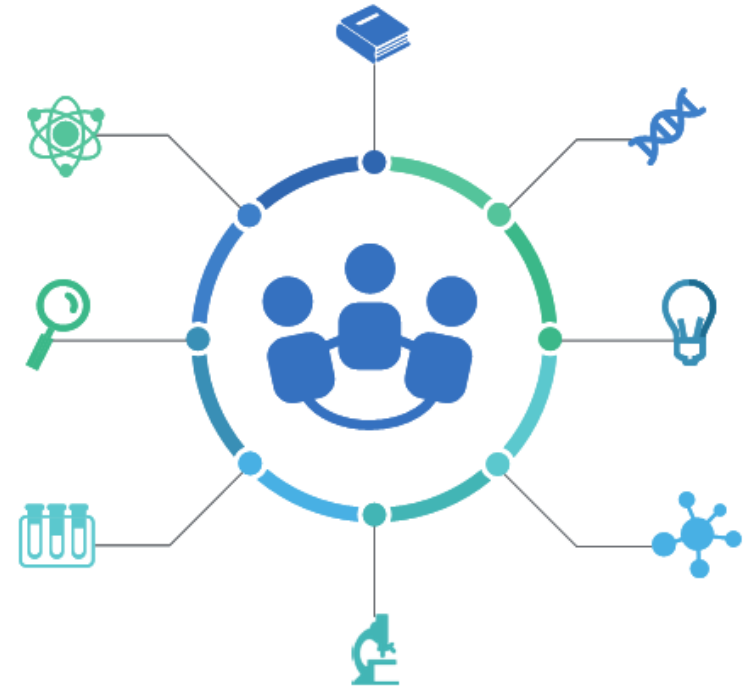
Stephen Peedell and Cristina Lázaro

Joint Research Centre

The Joint Research Centre

- What do we do? Science for policy.
- Need for evidence to inform EU policy.
- Independent, evidence-based

joint-research-centre.ec.europa.eu



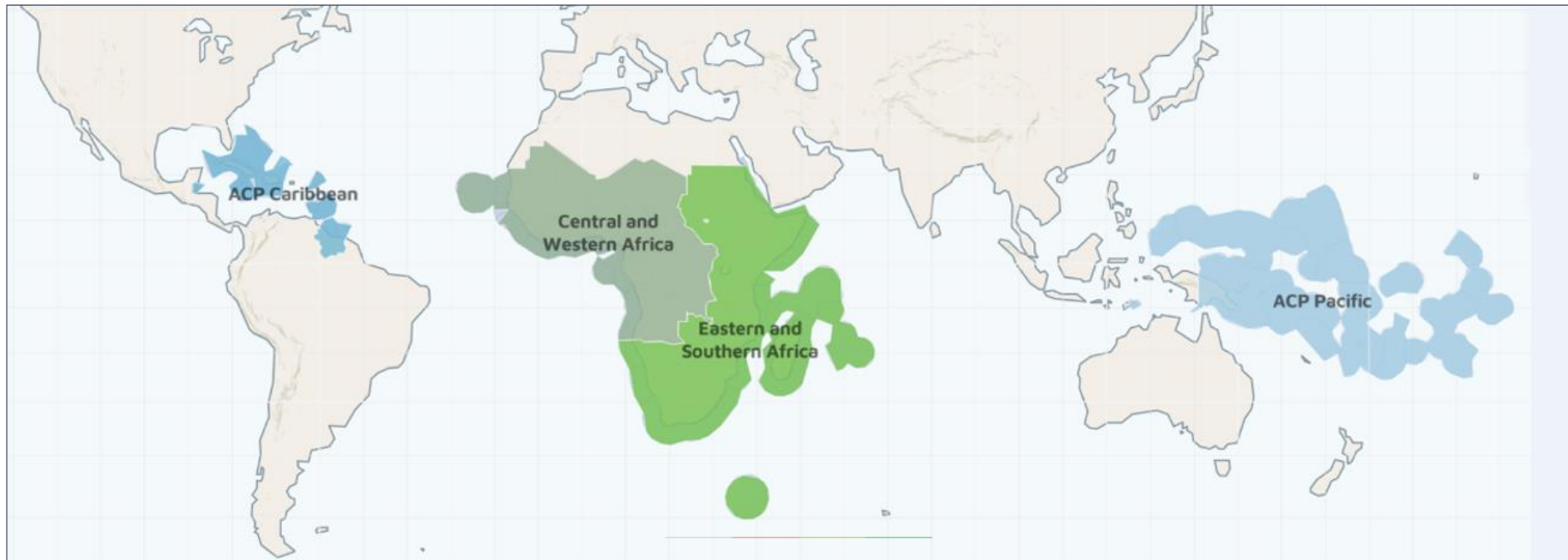
Marine research at the Joint Research Centre

- Not just EU
- Fisheries, ecosystems, blue economy, biodiversity, marine spatial planning, vessel monitoring



The Biodiversity and Protected Areas Management (BIOPAMA) Programme

- **Mission** (2017-2024): BIOPAMA aims at reinforcing the management and governance of protected and conserved areas in the 79 African, **Caribbean** and Pacific (ACP) countries through better use and monitoring of information and capacity development on management and governance.



BIOPAMA: Reference Information System (RIS)

The screenshot shows the BIOPAMA RIS website interface. At the top left is the BIOPAMA logo. At the top right, there are options for 'Dark Theme' (selected), 'Light Theme', and language options: 'English', 'Français', and 'Español'. The main heading is 'BIOPAMA RIS'. Below it is the tagline 'From Data to Decision-making' and the subtitle 'Supporting conservation strategies, improving protected areas management.' The main text describes the system as a free web-based, open-source information system for protected areas across the 79 countries of the African, Caribbean, Pacific (ACP) Group of States. It mentions that the current version, 'RIS 3.0', is a major re-design. Below the text is a grid of ten modules, each with an icon and a title: 'Protected Areas Governance and Equity', 'Protected Area Dashboard', 'Protected Area Management Effectiveness', 'Tracking Conservation Targets', 'Sharing Spatial Data on Protected Areas', 'Story Maps', 'BIOPAMA Analytics', 'Documents', 'WDPA Version Tracker', and 'RIS Blog'. Each module has a small 'i' icon in a circle at the bottom left.

<https://rris.biopama.org/>

BIOPAMA: Reference Information System (RIS)

The screenshot displays the BIOPAMA RIS interface for Barbados. The top navigation bar includes options for Dark Theme, Light Theme, and language selection (English, Français, Español). The sidebar on the left features the BIOPAMA logo and a profile for Barbados, which includes a description: "Within the country profile you can explore global and national indicators and near real-time information on the status and pressures in and around protected areas. You can also select specific metrics and create your report to be exported as a pdf document." Below this, there are three main data sections: "Sea Surface Temperature Trend", "Daily Coral Bleaching Heat Stress Alert", and "Coral Bleaching HotSpot". Each section has a toggle switch and an information icon. The "Coral Bleaching HotSpot" section includes a color scale legend ranging from 0 to 20, with a note: "The twice-weekly global 50km Coral Bleaching HotSpot product presented here was used to measure the occurrence and magnitude of instantaneous coral bleaching-inductive heat stress. See the 'Coral Reef Watch Operational 50km Satellite Nighttime SST Climatologies' table above to access the Maximum Monthly Mean (MMM) SST climatology, used before February 1, 2016 for this product." The main map area shows a satellite-style map of Barbados with a heatmap overlay indicating coral bleaching hotspots. A search bar at the top of the map area contains "Barbados". Labels on the map include "Farley Hill" and "Carlisle Bay". A 100km scale bar is visible at the bottom left of the map area.

<https://rris.biopama.org/>

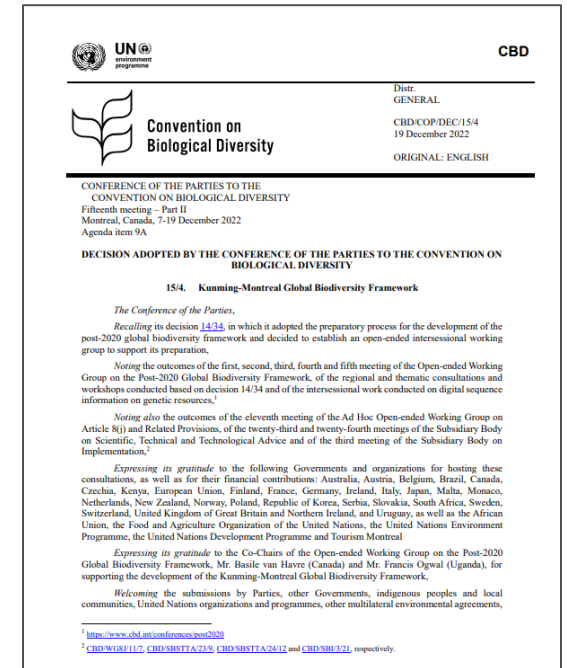
Protected and conserved areas

- Tracking conservation targets and policy objectives
- Link to livelihoods
- Focus on effectiveness, management and governance
- Combined with earth observation
- Establishing regional knowledge hubs ("observatories")



Global picture

- UN SDGs
- New CBD GBF - 23 action-oriented global targets for urgent action over the decade to 2030
- Global Knowledge Centre Biodiversity
- Support to CBD and SBSSTA
- Digital Observatory of Protected Areas, BIOPAMA
- Regional Centres of Excellence



Future perspectives

- Beyond BIOPAMA – supporting regional centres, linked to CBD
- CPAG future vision
- New GBF – addressing new indicators and assessing progress

Thank you



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