







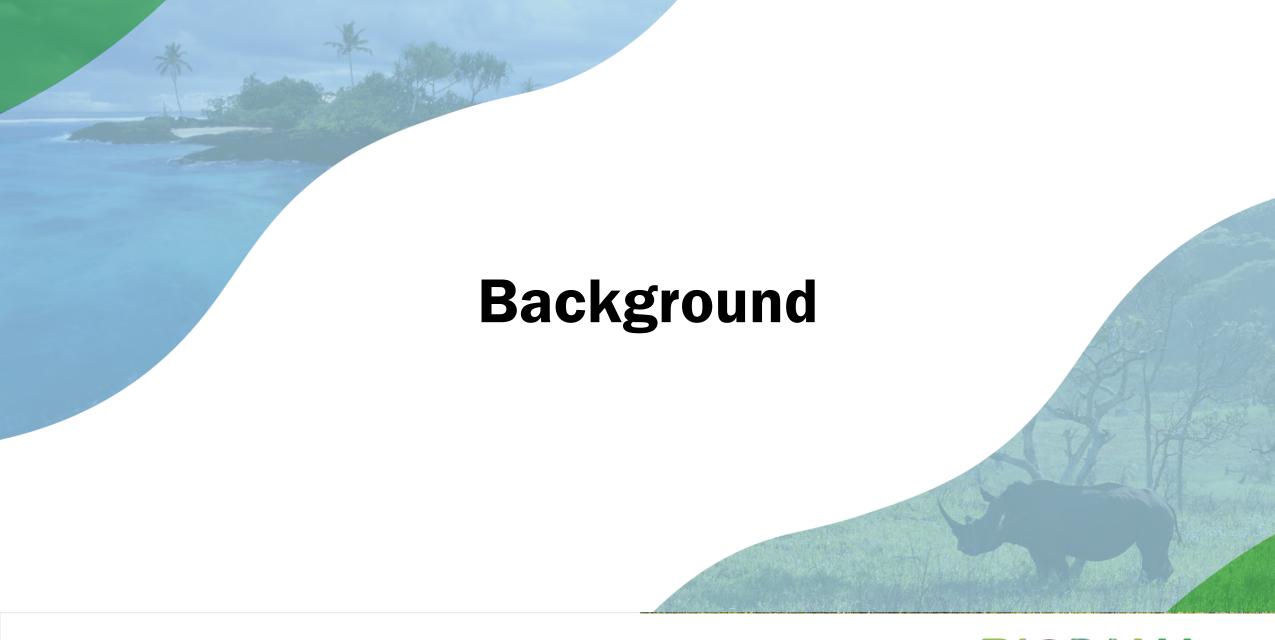






Caribbean PA Data Management
Regional Workshop
20 - 23 May 2019
Barbados

Julian Walcott
Technical Officer
walcott.julian@gmail.com





Biological diversity (biodiversity)

Human well-being

- the number, variety & variability of living organisms
 - genetic, species, ecosystem
- cornerstone of earth's existence
 - 40 % of the world's economy and 80 % of the needs of the poor are derived from biological resources
 - Richer biodiversity:
 - increases resilience
 - greater opportunities for medical discoveries
 - economic development
 - adaptive responses to such new challenges as climate change









Protected Areas

- a clearly defined geographical space
- recognised, dedicated and managed, through legal or other effective means
- to achieve the long term conservation of nature with associated ecosystem services and cultural values

(IUCN Definition 2008)

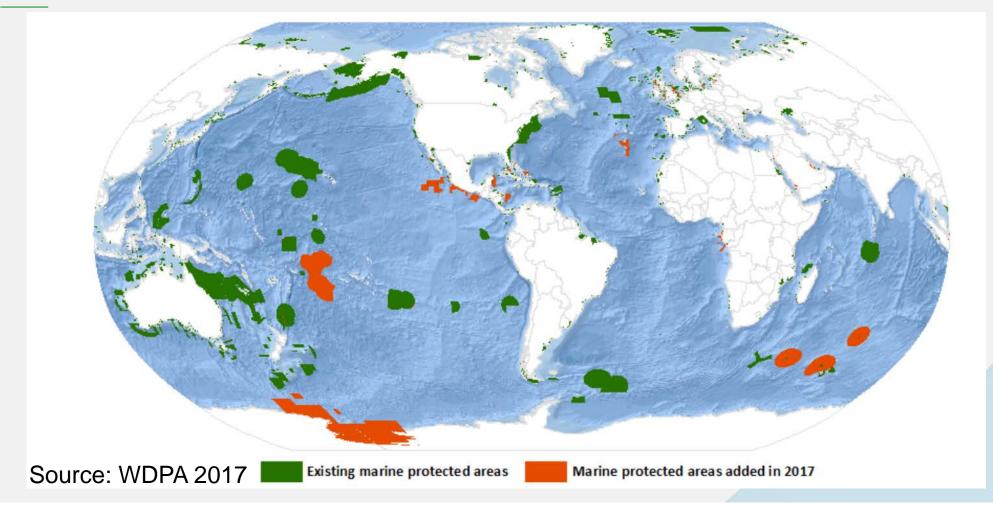
Other Effective Area-cased Conservation Measure

- a geographically defined area other than a Protected Area
- which is governed and managed in ways that achieve positive and sustained long-term outcomes
- for the in situ conservation of biodiversity with associated ecosystem functions and services
- and where applicable, cultural, spiritual, socio– economic, and other locally relevant values.



Protected Areas (global)

- > 230,000 PAs globally
- > 200 countries



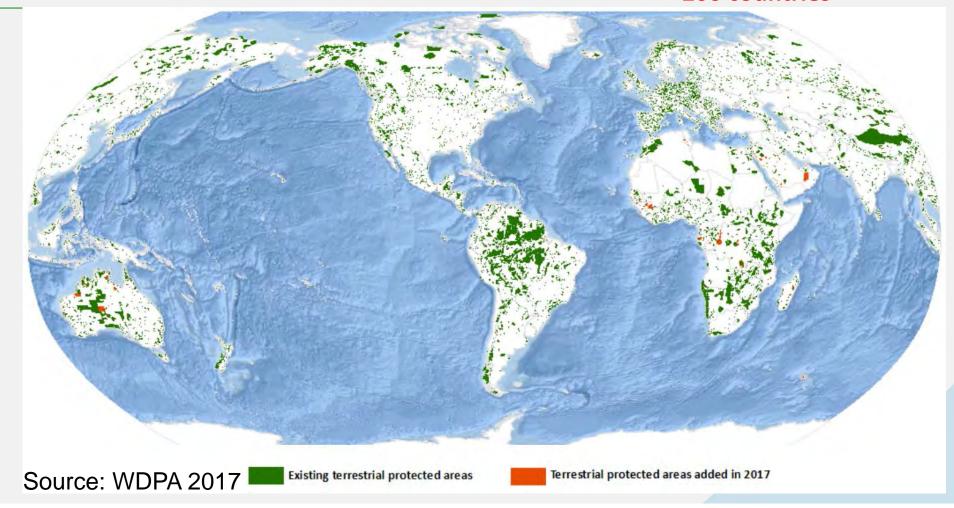
Marine

(approx. 25 million km²)



Protected Areas (global)

- > 230,000 PAs globally
- > 200 countries



Terrestrial

(approx. 20 million km²)



Protected Areas (ACP)



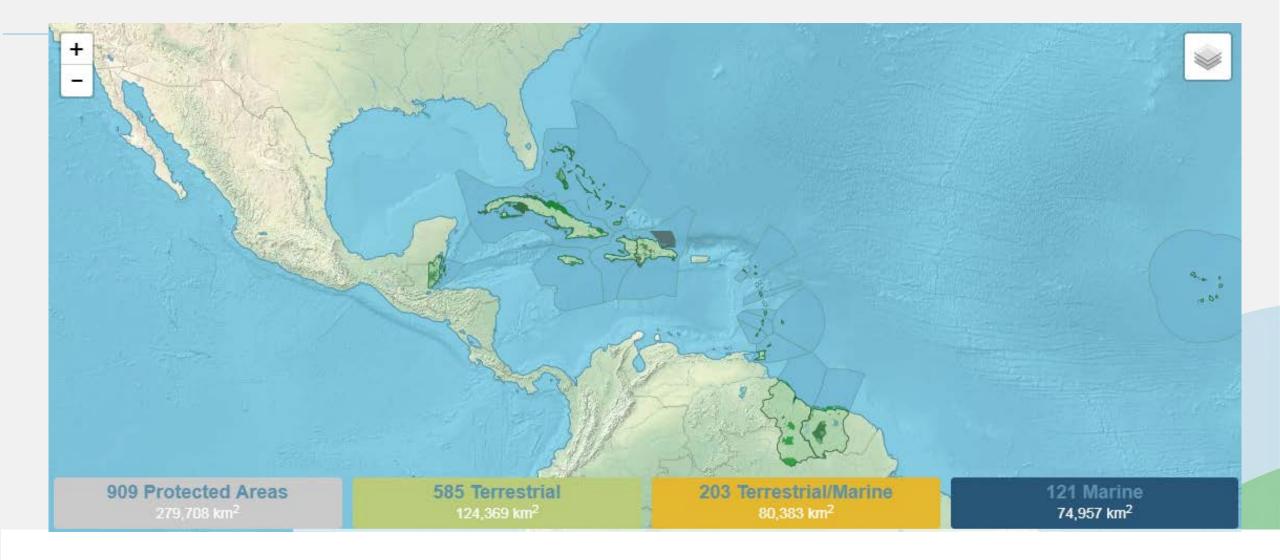
9,000+ PROTECTED AREAS:

1 BILLION+ PEOPLE:

THEIR LIVELIHOODS DEPEND ON THE SUSTAINABLE USE OF NATURAL RESOURCES IN THE AFRICAN, CARIBBEAN AND PACIFIC COUNTRIES



Protected Areas (Caribbean ACP)





Current trends in biodiversity

Countries are protecting more area habitats, but biodiversity is still in stark decline.



Why biodiversity declines as protected areas increase: the effect of the power of governance regimes on sustainable landscapes

authors Authors and affiliations

Rosemary Hill , Craig Miller, Barry Newell, Michael Dunlop, Iain J. Gordon

Special Feature: Technical Report Pathways towards sustainable landscapes

First Online: 14 February 2015

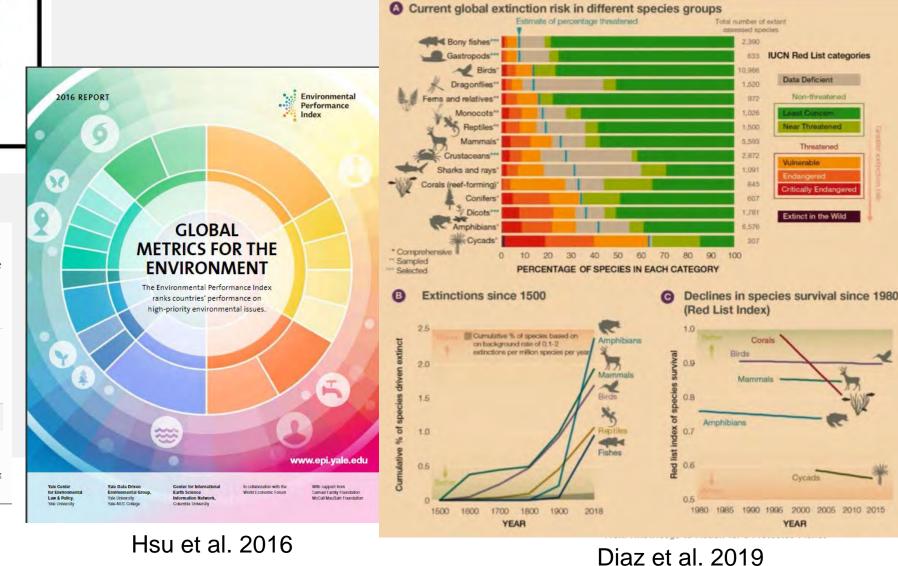
37 2k 10
Shares Downloads Citations

Shares Download

Abstract

Achieving sustainable landscapes that integrate food production with biodiversity conservation remains challenging, particularly in the tropics where most forest clearance results from conversion to industrial agriculture. Land-sparing (delineating protected areas and intensifying agricultural production from developed land) has often been identified as more effective than land-sharing (mixing protection and production in an agro-acological matrix) for biodiversity.

Hill et al. 2015



Current trends in biodiversity

ACP countries' challenges

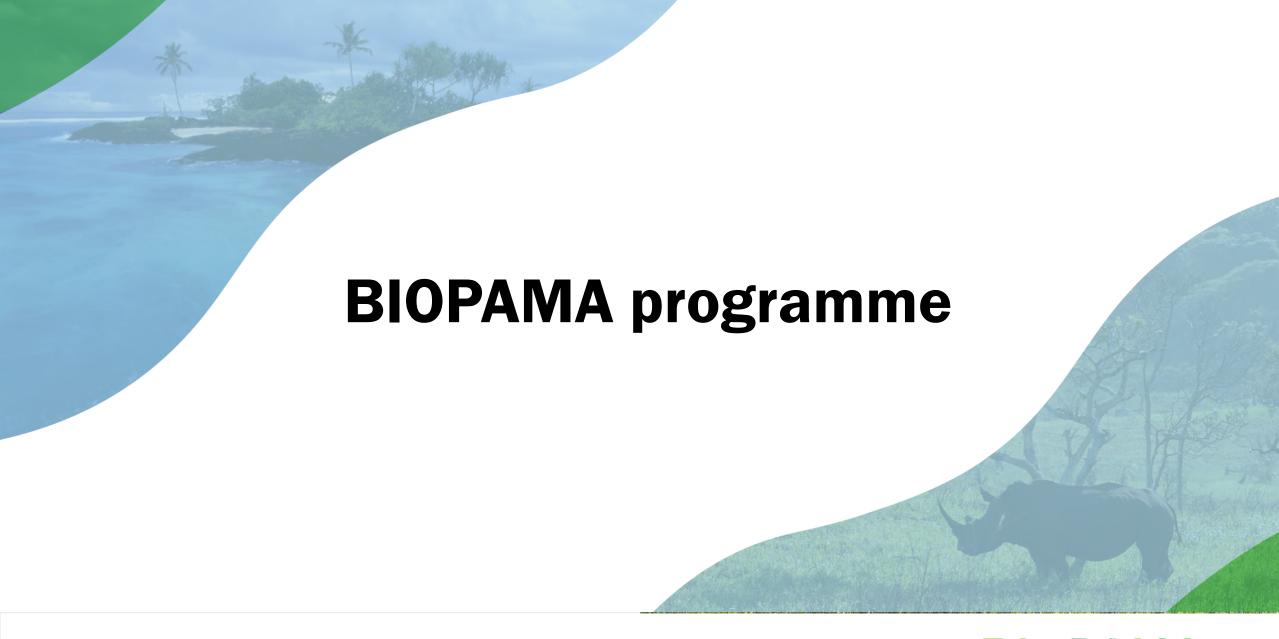
The main challenges to ensure biodiversity conservation, sustainable livelihoods and effective protected area management and governance are linked to:

- Policy and legal frameworks
- Institutional capacities
- Ineffective law enforcement
- Inadequate assessments of impacts from infrastructure developments
- Lack of sustainable funding mechanisms

Consequences

- Biodiversity continue declining
- Ecosystems increasingly degraded
- Climate change impacts to nature and society
- Livelihoods, particularly of local communities, at risk







BIOPAMA programme

Regional Reference Information Systems

- Addresses priorities for improved management & governance of biodiversity and natural resources
 - tools
 - services
 - funding





The Regional Observatories (Regional Reference Information Systems)

- open-source, free and secure tools
- bring together the best available science and knowledge
- collect and analyse protected areas data, information and trends
 - protected areas and biodiversity ecosystems
 - species, habitats, pressures, threats
 - socioeconomic
 - management & governance











hosted by the University of the West Indies (UWI)

housed at the Centre for Resource Management and Environmental Studies

(CERMES)

• launched in 2015

funded through the 11th EDF









The Caribbean countries (15)

- Antigua & Barbuda
- The Bahamas
- Barbados
- Belize
- Dominica
- Dominican Republic
- Grenada
- Guyana
- Haiti
- Jamaica
- St. Kitts & Nevis
- Saint Lucia
- St. Vincent & the Grenadines
- Suriname
- Trinidad and Tobago





Aim

- to improve the long-term conservation and sustainable use of natural resources in Caribbean ACP countries, via improved decision making
 - in protected areas and surrounding communities

Objectives

- capacity building
- provide critical services and tools
- to complement and align with existing platforms and initiatives







Caribbean Protected Areas Gateway

Implementing partner

Joint Research Centre

JRC

An initiative of the ACP Group of States financed by the European Union (EU)'s 11th European Development Fund

Host







Implementing partner



ORMACC

biodiversity conservation expertise of IUCN

the scientific know how of the (European Commission)





engages primarily with:

- national and regional level agencies and institutions
- protected area practitioners



Caribbean Protected Areas Gateway (Team)

IUCN



Hyacinth Armstrong-Vaughn Regional Coordintor



Jose Courrau Senior Officer & Advisor



Justin Springer Technical Assistant

UWI-CERMES



Julian Walcott Technical Officer

Carmel Haynes

Communications



Anton Shepherd



Web Developer



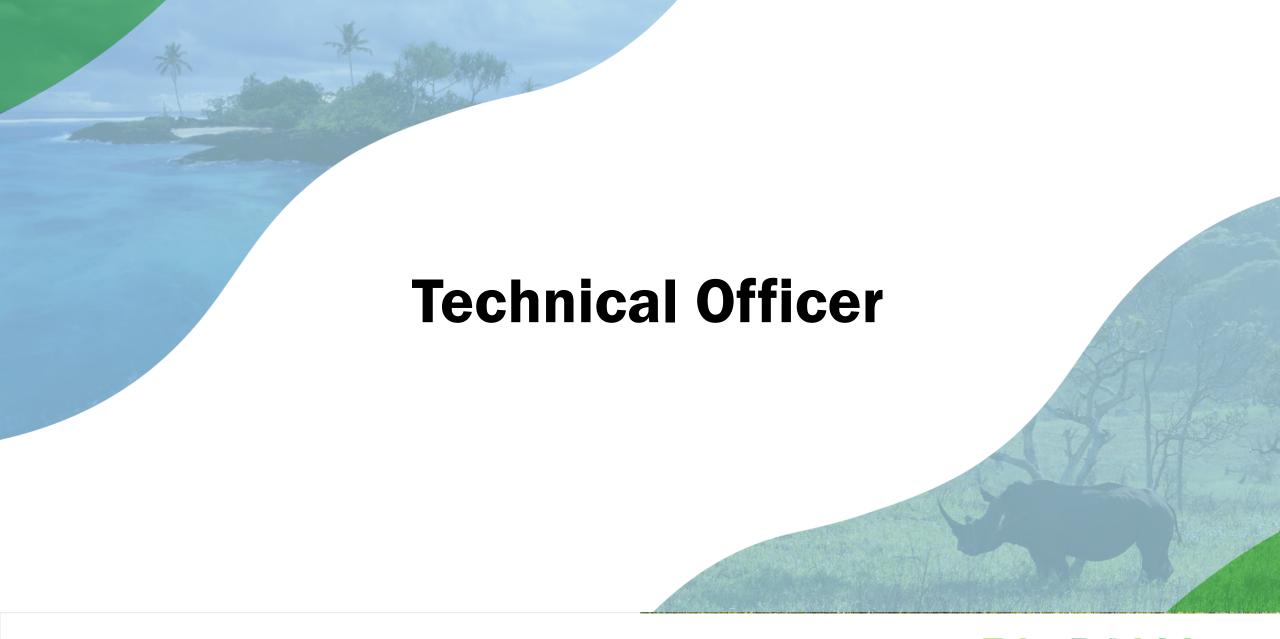
Dionne Carbon Research Assistant





Mariagrazia Graziano MPA Specialist





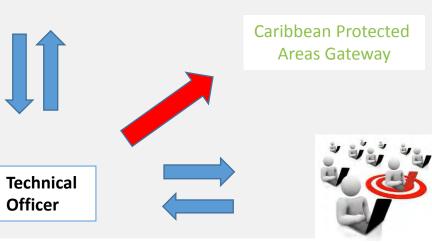


Caribbean Protected Areas Gateway (Technical Officer)

Role

Intermediary between the end users and the Implementing agencies





End Users & target audience

Functions

- liaise with the other Regional TOs
- develop relationships & networks
- manage the collection of data & information
 - management of a GeoNode
 - promote data sharing
- respond to request from stakeholders
- facilitate technical support and trainings
- report on advances and updates Caribbean
 Gateway
- develop communications products
 - newsletters and presentations
- facilitate the dissemination of information
 - lessons learned, best practices, case studies











- 1. Regional Reference Information System
 - user interface http://caribbean-rris.biopama.org/
 - data/content management system (GeoNode) http://geonode-rris.biopama.org/
- 2. Communications platform (Yammer) https://www.yammer.com/biopama/

3. Funding mechanism – Action Component https://action.biopama.org/

4. Server



Regional Reference Information System

- bring together the best available science and knowledge and make it easily accessible, at regional, country and site level:
 - the many knowledge products
 - projects
 - databases on protected areas
 - species
 - data uploaded, created and generated by the users themselves

• a tool which can be used to support decision making for planning, designating and managing protected

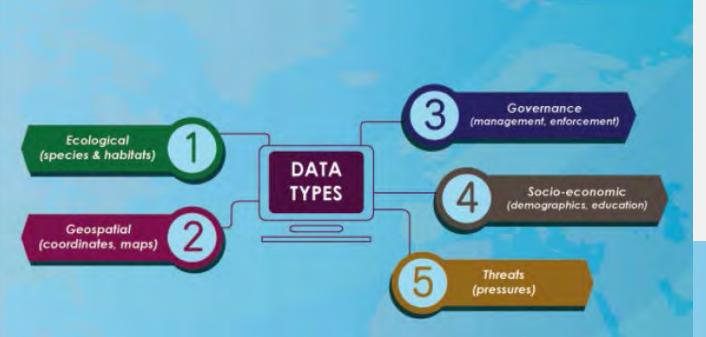
areas





http://caribbean-rris.biopama.org/





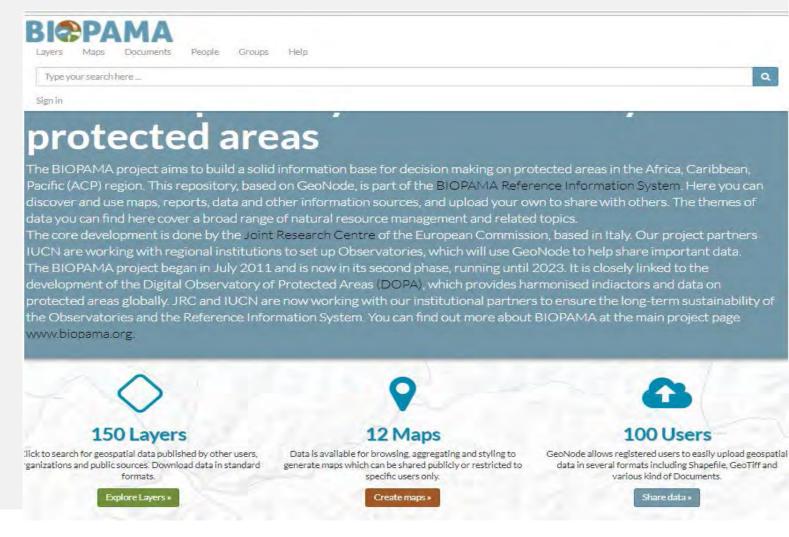
Regional World Database on Caribbean Marine **Protected Areas** Protected Areas (WDPA) Management Programme (CaMPAM) International Union The for Conservation Nature Conservancy Global (TNC) of Nature DATA (IUCN) Red List SOURCES **Global Biodiversity** Information Facility **Government Agencies** (GBIF) Non-Governmental Organisations (NGOs) Academic & Research Institutions National (e.g. universities)





Data repository for biodiversity and protected areas (GeoNode)

- content management system
- platform for the management and publication of data
 - documents
 - geospatial data
- upload your own to share with others
- create useful maps











Social Networking Platform (Yammer)

- enhance communications
- improve engagement
- build transparency (better informed)
- facilitates better networking
- create stronger communities
- share events, documents, ideas etc.



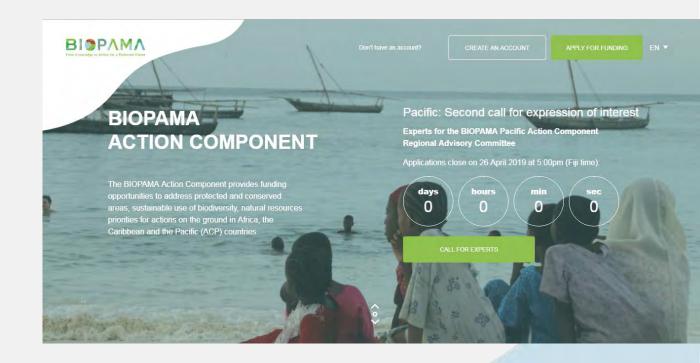






Funding Mechanism (Action Component)

- will support specific actions on the ground aimed at strengthening protected areas and natural resources management effectiveness and governance
 - by enabling protected area agencies, NGOs, local communities and other key actors to effectively implement their field projects

















Key Services

- Data hub/repository for biodiversity & PA data
- Provision of tools and analyses
 - apps
- Capacity building
 - trainings
 - teaching
- Reporting
 - templates
 - NBSAPs
 - MEA reports
- Funding (Action Component)
- Data storage/backup









Key Benefits

- Increased data mobilisation
 - improved data availability and quality
 - more informed decisions
- Better networking and communications
 - increased transparency
 - increased collaboration
 - maximising of resources & reduction in duplication of efforts
 - lessons learned (case studies, information products etc.)
- Development of capacities
- Better reporting
- Funding opportunities



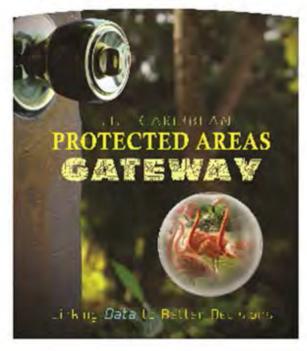
Useful Links

- African, Caribbean, and Pacific (ACP) Group of States http://www.acp.int/
- BIOPAMA programme https://biopama.org/
- BIOPAMA GeoNode http://geonode-rris.biopama.org/
- Caribbean Protected Areas Gateway http://caribbean-rris.biopama.org/
- Central Reference Information System https://rris.biopama.org/
- CERMES-UWI https://www.cavehill.uwi.edu//cermes/home.aspx
- IUCN-ORMACC https://www.iucn.org/regions/mexico-central-america-and-caribbean
- European Commission-Joint Research Centre https://ec.europa.eu/info/departments/joint-research-centre_en
- University of the West Indies (UWI) http://www.uwi.edu/index.asp
- Yammer https://www.yammer.com/biopama/



















Thank you!



Questions?