From Protected Areas Reference Information System to a Caribbean Gateway

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As the science and knowledge service of the Commission our mission is to support EU policies with independent evidence throughout the whole policy cycle.
Headquarters in Brussels and research facilities located in 5 Member States:

- Belgium (Geel)
- Germany (Karlsruhe)
- Italy (Ispra)
- The Netherlands (Petten)
- Spain (Seville)
Our BIOPAMA Objectives 2017-2023

Standardised tools, indicators and metrics on protected areas globally – Digital Observatory of Protected Areas

A dedicated information system focused on the protected areas of the ACP – BIOPAMA Reference Information System

Regional systems, within operational observatories, the “Caribbean Gateway”

A comprehensive approach to the issues of protected area management effectiveness and governance

Bringing the results of these systems closer to the decision making process, at all levels
System Functions

Connect
Contribute
Analyse
Explore
Learn

Built on open-source technology and open standards
Connect

• With each other, through the Yammer Network
• With datasets and services, through industry-standard protocols
• With other systems and tools
• With updated news, events and opportunities related to protected areas
• With the wider public, through StoryMaps and data visualisation

https://www.yammer.com/biopama
http://eu-commission.maps.arcgis.com/apps/Cascade/index.html?appid=5cb49b0517144573a9f664837558f5a
79 Countries
The Africa, Caribbean, Pacific group of States
The JRC BIOPAMA Team  jrc-biopama@ec.europa.eu
Contribute

• Share data, maps and other information resources through GeoNode [http://geonode-rris.biopama.org/](http://geonode-rris.biopama.org/)


• Create data, using community platforms like OpenStreetMap. [http://beta.biopama.org/](http://beta.biopama.org/)

• Improve global databases with regional contributions, e.g. WDPA, through the BIOPAMA Observatory
A data repository for biodiversity and protected areas

The BIOPAMA project aims to build a solid information base for decision making on protected areas in the Africa, Caribbean, Pacific (ACP) region. This repository, based on GeoNode, is part of the BIOPAMA Reference Information System. Here you can discover and use maps, reports, data and other information sources, and upload your own to share with others. The themes of data you can find here cover a broad range of natural resource management and related topics.

The core development is done by the Joint Research Centre of the European Commission, based in Italy. Our project partners IUCN are working with regional institutions to set up Observatories, which will use GeoNode to help share important data.

The BIOPAMA project began in July 2011 and is now in its second phase, running until 2023. It is closely linked to the development of the Digital Observatory of Protected Areas (DOPA), which provides harmonised indicators and data on protected areas globally. JRC and IUCN are now working with our institutional partners to ensure the long-term sustainability of the Observatories and the Reference Information System. You can find out more about BIOPAMA at the main project page www.biopama.org.

http://geonode-rris.biopama.org/
Explore

• Find useful data, maps and reports through GeoNode

• Browse PA data and statistics at region, country and site level http://rris.biopama.org/country/JM

• Compare global indicators from the Digital Observatory of Protected Areas

• Discover related projects, funding and solutions in your region http://econservation.jrc.ec.europa.eu/country/HT
• Show trends and change in protected areas over time
• Compare and rank protected areas
• Dynamics outside of protected areas
• Understand ecological connectivity of protected areas
• Assess pressures and threats
• Explore management effectiveness and governance
• Support applications for funding (i.e. BIOPAMA Action Component)
• Generate input to reporting
• Feed data into more sophisticated models and tools (e.g. Marxan, SMART)
https://roadlessforest.eu/map

https://global-surface-water.appspot.com/
Management Effectiveness

http://rris.biopama.org/imetassessment#
• Discover training opportunities
• Share your experience
• Learn by doing
• Follow simple on-line training
• Dedicated data management workshops
A Target-Based Approach

Objective 3
Identify, conserve, sustainably manage and restore.

Number of countries logging intact forests

This indicator shows the number of countries that have logged Intact Forest Areas during the last 25 years.

• Requested by EU delegation Haiti on behalf of CNIGS (Centre National d’Information Geospatiale)

• Will cover following thematic areas and deliverables
  • Reference data
  • Damage assessment after hurricane Matthew in the following thematic areas.
    • Agriculture (Les Cayes, Port Salut and Jeremie)
    • Protected area Macaya Park
    • Mangrove in baie du Nesle and Saint Louis du Sud.
    • Coastal line between Les Cayes and Jeremie.

• monitoring after 6 months from contract signature to assess the following:
  • For the agricultural areas: eventual new constructions in the area and regeneration/vulnerability of the main agricultural areas
  • For the coastal line an update of the recovery
  • For the mangrove: regeneration monitoring
  • For the protected area Macaya park a monitoring of the vegetation recovery
CAR_01 Carribbean (ACP)
Area 96,823 km²
LCCS level B

CAF_05_Garamba_addition
Area a 17,819 km²
Area b 11,540 km²
LCCS level B

EAF_04_Niassa_Selous
Area 139,166 km²
LCCS level B

SAF_21_Madagascar
Area 124,015 km²
LCCS level B

WAF_04_Wapok
Area 57,777 km²
LCCS level B

Total area: 447,300.70 km²

AOI Delivery
All First half 2019

Copernicus Hot Spot Monitoring – 3rd Phase
Conclusions

- An open platform
- Designed to link to other datasets and platforms
- Driven by regional needs
- Improving databases at global, regional, national and site level
- Terrestrial and marine
- Same architecture across regions, but customised content and interfaces
- Supported by JRC
- From data to analysis
- From knowledge to action