Systemes d’Information pour les Aires Protegees

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Joint Research Centre

BIOPAMA
From Knowledge to Action for a Protected Planet
As the science and knowledge service of the Commission our mission is to support EU policies with independent evidence throughout the whole policy cycle.
EU leading donor of development assistance - €75.7 billion in 2017 (57% of global ODA)

Long-standing relationships with conservation actors
Our specific work at JRC

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

Delivered as web services and specific tools like DOPA Explorer

A dedicated **information system** focused on the **protected areas of Africa, Caribbean, Pacific** – BIOPAMA Reference Information System

**Regional systems**, within operational **observatories**

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 = IMPACT INTEGRATION and CONSOLIDATION

https://dopa-explorer.jrc.ec.europa.eu/
http://rris.biopama.org/ and https://testdelta.biopama.org/
Niveau Global

The Digital Observatory of Protected Areas (DOPA)
Observatoire Digitale des Aires Protegees

https://dopa-explorer.jrc.ec.europa.eu/
Africa, Caribbean, Pacific

The BIOPAMA Reference Information System (RIS)

http://rris.biopama.org/ and https://testdelta.biopama.org/
Protected Area Name: OI Pejeta Conservancy
Country: Kenya
This protected area does not have land cover change information.
This PA is not marine
Link to DOPA
Link to Protected Planet
Regional

Caribbean Gateway
Pacific Islands Protected Areas Portal
SADC TFCA Portal
EAC RRIS
OFAC
BIOPAMA2 – technical support contracts

https://pipap.sprep.org/  https://www.observatoire-comifac.net/
Rock Islands Southern Lagoon (Palau)

The Rock Islands Southern Lagoon (RISL) covers an area of 859 square kilometres and includes 445 limestone islands and 52 marine lakes surrounded by a lagoon with fringing reefs, patch reefs, and shallow water marine areas. Its lagoon is filled with hundreds of gem-like "Rock Islands." These limestone islands habitats are diverse and include marine lakes, caves, arches, tunnels, caves, forests, and wetlands, each with unique species. The RISL's resilient reefs make it a critical area for the protection of biodiversity. The RISL supports 746 species of fish, over 385 species of corals, at least 13 species of sharks and manta rays, 7 species of giant clams, and the endemic Nautilus (Nautilus belauensis).
Des connaissances aux services de tous

Observatoire des forêts d’Afrique Centrale

Découvrez l’Observatoire
East African Community
Regional Reference Information System

ECOLOGICAL CHARACTERISTICS OF PROTECTED AREAS
What are the ecological characteristics of a protected area - what species are present, what habitat types can be found, and what ecosystem services does it provide? How vulnerable are the species, how unique are the habitats and how might they be affected by change?
Read more

PROTECTED AREAS AND LIVELIHOODS
People interact with protected areas in many ways. People establish, govern and manage protected areas, and receive multiple benefits from protected areas. Protected areas help conserve biodiversity, provide important ecosystem services, and support human livelihoods and well-being. But people also exert multiple pressures on protected areas that can affect the conservation of biodiversity and the provision of ecosystem services.
Read more

MANAGEMENT EFFECTIVENESS & GOVERNANCE
How do we measure the effectiveness of management actions, and what are the decision making processes and structures that affect protected areas?
Read more
RIS 2.0 – focus on targets and indicators
Architecture and Components
Components

PostGIS (spatial database for handling geographic and related features)
GeoNode (off the shelf standards-compliant geodata publishing)
Drupal (Content Management Framework)
GeoServer (web mapping engine)
Leaflet

Tous Open Source, Open Standards
Components

Google Earth Engine
OpenStreetMap (iD, Task Manager)
Yammer
StoryMaps
Europe Media Monitor
eStation
Copernicus Services
IMET
Data Components

Cartes et données géospatiales
Images satellitaires
Indicateurs, statistiques
Observations
Efficacité de gestion et gouvernance
Cibles et objectifs
Médias - photos, social
Communauté
Nouvelles et événements
Documents – plans de gestions, rapports, études
Utiliser OpenStreetMap pour résoudre certains problèmes de données à la source
https://www.openstreetmap.org/#map=15/-6.1151/39.2415
Analyse

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

- http://rris.biopama.org/imetassessment#
Connect

- Yammer
- Avec des ensembles de données et des services, via des protocoles standard
- Autres systèmes et outils
- Avec des nouvelles mises à jour, des événements et des opportunités liés aux aires protégées
- Avec le grand public, grâce à StoryMaps et à la visualisation de données
From Knowledge to Action for a Protected Planet

rris.biopama.org

www.biopama.org

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