# Member Node Description: Brazilian Marine Biodiversity Database (BaMBa)

Version 1.0 6/14/2012 Pedro Meirelles, Luiz Gadelha, Fabiano Thompson

## General

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| Name of resource: | Brazilian Marine Biodiversity Database (BaMBa) |
| URL(s): | https://marinebiodiversity.lncc.br |
| Institutional affiliation(s): | Federal University of Rio de Janeiro and National Laboratory for Scientific Computing |
| Primary geographic location: | Rio de Janeiro/Rio de Janeiro/Brazil |
| Project Director & contact info: | Fabiano Thompson (fabianothompson1@gmail.com; +55 21 3938-6567) |
| Technical Contact & contact info: | Luiz Gadelha (lgadelha@lncc.br; +55 24 2233-6296)/ Pedro Meirelles (pedrommeirelles@gmail.com; +55 21 3938-6567) |
| Age of resource: | 20 years |
| Funding support: | CAPES, CNPq, FAPERJ |
| Proposed Unique Identifier: | urn:node:BaMBa |

## Content

### Content description/collection policy (1 paragraph, domain and spatial/temporal coverage, uniqueness of content, exclusions, as applicable):

Datasets obtained from integrated holistic studies, comprising physical-chemical parameters, -omics, microbiology, benthic and fish surveys can be deposited enabling scientific, industrial, and governmental policies and actions on marine resources uses and management.

### Types of data (complex objects, text, image, video, audio, other):

Tabular data, images, biological sequences (protrins, RNA, DNA), videos, species occurences

### Data and metadata availability (rights, licensing, restrictions):

Matadata are public and data access rights are defined by users

### Option for embargo (yes/no, duration):

User-defined

### Size of holdings (number and size of datasets, mean and median granules (files) per dataset):

10

### Please describe recent usage statistics, if known, including information on annual data product downloads, annual number of users, annual number of data products used in publications:

In average BaMBa has 8000 accesses monthly

## User interactions

### How does a user contribute data? (what can be deposited, how are data prepared, are specific software required, documentation/support available)

Users upload metadata and data packages both using web interface or using Morpho application

### How does a user acquire / access data?

Directi access through metadata embedded URI link

### What user support services are available (both for depositing and accessing/using data)?

Both direct-access to technical support personel and or email (marinebiodiversity@lncc.br)

### How does the resource curate data at the time of deposit?

Yes

## Technical characteristics and policies

### Software platform description, incl. data search and access API(s):

Metacat version 2.4.1

Service reliability (including recent uptime statistics, frequency of hardware refresh, if known):

99% uptime

Preservation reliability (including replication/backup, integrity checks, format migration, disaster planning):

On-site backup

User authentication technology (incl. level of create/modify/delete access by users):   
**LDAP**

### Data identifier system and data citation policy, if available:

Metacat-based

### Metadata standards (**including** provenance):

Ecological Metadata Language

## Capacity/services to DataONE

### At what functional tier will you initially be operating? (see http://bit.ly/MNFactSheet for definitions)

**Tier 1: Read only, public content**

**Tier 2: Read only with access control**

**Tier 3: Read/write using client tools**

**Tier 4: Able to operate as a replication target**

### If you can host data from other member nodes, what storage capacity is available?

1 TB

### Can you provide computing capacity to the broader network? If so, please describe.

Yes

## Other Services

### What other services or resources (such as expertise, software development capacity, educational/training resources, or software tools) can be provided of benefit to the broader network?

File repository, GBIF IPT instance, integrated relational database that aggregates information from Metacat, IPT and the file respository.