Plan Overview

A Data Management Plan created using DMPTool

Title: Brazilian aquatic plant data management

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Affiliation: Non Partner Institution

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Data Manager: Marco Otávio Dias Pivari

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Template: Digital Curation Centre

Project abstract:

Initiatives directed to manage the information on aquatic plants can subsidize scientific research in different areas, educational practices and political decisions for sustainable management and protection of wetlands and natural resources, as well as reveal gaps of knowledge about aquatic plants and wetlands. Furthermore, this can contribute specifically to consolidate systems of wetland classification in Brazil. The objectives of this work are to present and explore the utilization of the data repository and of the online platform created for the specific management of data upon aquatic plants in Brazil. The data repository of aquatic plants was developed to store in a standardized form the information on records of occurrences of species contemplating: systematics, taxonomy, habit, life form, geographic distribution, hydrographic basin, wetland, bibliographic reference and deposit in herbarium.

Last modified: 06-19-2018

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Brazilian aquatic plant data management

Data Collection

What data will you collect or create?

The data repository of aquatic plants was developed to store in a standardized form the information on records of occurrences of species contemplating: systematics, taxonomy, habit, life form, geographic distribution, hydrographic basin, wetland, bibliographic reference and deposit in herbarium.

How will the data be collected or created?

Herein we present information compiled from scientific publications in the fields of Botany and Ecology, involving regional floras, floristic, phytosociological and limnological studies, that contemplated aquatic plants, in study areas in Brazil.

Thereby, the intention is to generate a mark upon the knowledge formally produced and published on this group of organisms.

To survey scientific publications we accessed sites such as Scielo, Periódicos Capes and Google Scholar, plus virtual libraries, and searched for the term aquatic plants and those considered similar, presented in the previous topic, besides the names and initials of the States of the Brazilian Southeast. Old bibliographies not available online were obtained consulting private libraries, as had been previously done by Thomaz & Bini (2003). We took into consideration complete articles, books, book chapters, doctor theses and master dissertations.

Documentation and Metadata

What documentation and metadata will accompany the data?

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- stateProvince: ES; MG; RJ; SP
- locality:
- decimalLatitude:
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- altitude:
- hydrographicBasin: (CNRH, 2002)
- hydrographicSubbasin: (CNRH, 2002)

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| ordem_autoria | Authorship order of the article |
| ultimo_nome | Author’s last name |
| Iniciais | Author’s initials |
| nome_completo | Author’s full name |

**Complete Article**
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**Ethics and Legal Compliance**

**How will you manage any ethical issues?**

Original references must be cited

**How will you manage copyright and Intellectual Property Rights (IP/IPR) issues?**

Original references must be cited

**Storage and Backup**

**How will the data be stored and backed up during the research?**

The data will be stored on the MYSQL server.

The data will be kept in CSV format, SQL script, and ODS and XLS worksheets.

The backup files will be copied to three accounts for cloud storage: Google, Dropbox, and Mega.

The data will be shared through the website https://sites.icb.ufmg.br/macrofitasauaticas/

**How will you manage access and security?**

User and password to change data.

Only the curator can change the main database through script in R Language.

All other users insert data into spreadsheets.

**Selection and Preservation**

**Which data are of long-term value and should be retained, shared, and/or preserved?**

The data will be stored on the MYSQL server.

**What is the long-term preservation plan for the dataset?**

The data will be updated every six months on the MYSQL server.

**Data Sharing**

**How will you share the data?**

https://sites.icb.ufmg.br/macrofitasauaticas/

**Are any restrictions on data sharing required?**

No

**Responsibilities and Resources**

**Who will be responsible for data management?**
Pablo Hendrigo Alves de Melo

What resources will you require to deliver your plan?

Web and Data Server.