

doi: 10.1590/0102-33062018abb0280

Table S1. Description of the attributes used in the data repository to store information on the occurrence records of aquatic plant species in Brazil.

Type of Information	Field	Description	Levels	References
Record Level	brazilianRegion	Geographic region of Brazil	CO; NE; N; SE; S	this repositior
	brazilianMacrophyteRecords	Identifier of the occurrence record in the data repository	Sequential number starting with 1 in each geographic region (brazilianRegion)	this repositior
	basisOfRecord	Basis of record	Fossil_specimen; human_observation; literature; living_specimen; machine_observation; material_sample; observation; preserved_specimen; unknown	http://rs.tdwg.org/dwc/terms/basisOfRecord
	collectionCode	Herbarium code, determination of a physical collection or digital data set	-	http://rs.tdwg.org/dwc/terms/collectionCode
	catalogNumber	Register number, determination of a record within a physical collection or digital data set	-	http://rs.tdwg.org/dwc/terms/catalogNumber
	threatStatus	Information of the evaluation of risk of extinction according to (CNCFlora, 2017).	CR; DD; EN; LC; NT; VU	Red List of Species of the Brazilian Flora Threatened by Extinction (CNCFlora, 2017).
Ocurrence	associatedReference	Determination of the record of the scientific publication in the data repository	Sequential number starting with 1 in each Geographic region (brazilianRegion)	http://rs.tdwg.org/dwc/terms/associatedReferences
	textReference	Text reference of the scientific publication in the data repository	Authors (et al., if the case); year of publication	this repositior
	recordedBy	Person who recorded the occurrence.	-	http://rs.tdwg.org/dwc/terms/recordedBy
	recordNumber	Determination of the record when it was collected.	-	http://rs.tdwg.org/dwc/terms/recordNumber
	day	Collection date	1-31	http://rs.tdwg.org/dwc/terms/day
	month	Month of the year, starting with 1 for January	1-12	http://rs.tdwg.org/dwc/terms/month
	year	Year with 4 digits	1908-2014	http://rs.tdwg.org/dwc/terms/year
Updated Taxon	taxonRank	Determination of taxonomic level	Family; genus; specific epithet; infraspecific epithet; not found	http://rs.tdwg.org/dwc/terms/taxonRank
	Group	Taxonomic group	Algae; angiosperms; bryophytes; gymnosperms; ferns and lycophytes	Brazil Flora G (2014): Brazilian Flora 2020 project - Projeto Flora do Brasil 2020.
	kingdom	Kingdom	Protists; Plantae	http://rs.tdwg.org/dwc/terms/kingdom
	phylum	Phylum	-	http://rs.tdwg.org/dwc/terms/phylum
	class	Class	-	http://rs.tdwg.org/dwc/terms/class
	order	Order	-	http://rs.tdwg.org/dwc/terms/order
	family	Family	-	http://rs.tdwg.org/dwc/terms/family
	genus	Genus	-	http://rs.tdwg.org/dwc/terms/genus
	identificationQualifier	Conferatur / affinis	cf.; aff.	http://rs.tdwg.org/dwc/terms/identificationQualifier
	specificEpithet	Specific epithet	-	http://rs.tdwg.org/dwc/terms/specificEpithet
	infraspecificEpithet	Subspecies	-	http://rs.tdwg.org/dwc/terms/infraspecificEpithet
	scientificNameAuthorship	Author(s) of the species	-	http://rs.tdwg.org/dwc/terms/scientificNameAuthorship
scientificName	Scientific name	-	http://rs.tdwg.org/dwc/terms/scientificName	



Table S1. Cont.

Type of Information	Field	Description	Levels	References
Reference Taxon	referenceFamily	Family according to reference	-	this repositior
	referenceGenus	Genus according to reference	-	this repositior
	referenceIdentificationQualifier	Conferatur / affinis according to reference	-	this repositior
	referenceSpecificEpithet	Specific epithet according to reference	-	this repositior
	referenceInfraspecificEpithet	Subspecies according to reference	-	this repositior
	referenceScientificnameauthor	Author(s) according to reference	-	this repositior
Ecology	lifeFormReference	Habit as cited in reference	Shrub; subshrub; tree; treelet; herb; liana	this repositior
	aquaticLifeFormReference	Life form as cited in reference	Amphibious; emergent; epiphytic; rooted floating; free floating; rooted submerged; free submerged	this repositior
	habitatFloraBR	Substrates of occurrence of the species as per Flora do Brasil 2020	Aquatic; epiphytic; hemiepiphyte; hemiparasite; parasite; rupicolous; saprophyte; terrestrial; unknown	Brazil Flora G (2014): Brazilian Flora 2020 project - Projeto Flora do Brasil 2020.
	lifeFormFloraBR	Habits reported for the species in Flora do Brasil 2020	Shrub; tree; bamboo; dracenoid; herb; liana; palm; subshrub; succulent; unknown	Brazil Flora G (2014): Brazilian Flora 2020 project - Projeto Flora do Brasil 2020.
	wetlandReference	Habitat type as cited in reference	-	this repositior
	classifiedWetlandReference	Wetland classification according to Junk et al. (2013)	System; subsystem; order; suborder; class; subclass; macrohabitat	this repositior
	wetlandClassification	Categorization of wetlands (classifiedWetlandReference) and this repository	-	this repositior
Location	country	Country	Brazil	http://rs.tdwg.org/dwc/terms/country
	stateProvince	State	ES; MG; RJ; SP	http://rs.tdwg.org/dwc/terms/stateProvince
	municipality	Municipality	-	http://rs.tdwg.org/dwc/terms/municipality
	locality	Specific description of the locality	-	http://rs.tdwg.org/dwc/terms/locality
	decimalLatitude	Longitude	-	http://rs.tdwg.org/dwc/terms/decimalLatitude
	decimalLongitude	Latitude	-	http://rs.tdwg.org/dwc/terms/decimalLongitude
	altitude	Altitude	-	http://rs.tdwg.org/dwc/terms/decimalAltitude
	hydrographicBasin	Hydrographic basin	-	(CNRH, 2002)
	hydrograficSubbasin	Hydrographic subbasin	-	(CNRH, 2002)



New initiatives for Brazilian aquatic plant data management

Table S2. Description of the fields in the tables of the data repository for aquatic plants in Brazil, in relation to bibliographic references.

Table	Field	Description
Reference	brazilianRegion	Geographic region of Brazil
	codigo_referencia	Sequential number of the reference work per geographic region
	Ano	Year of publication of the work
	tipo	Type of publication
	id_idioma	Language of the publication
	linque	Home page of the work (URL)
Author Reference	brazilianRegion	Geographic region of Brazil
	codigo_referencia	Sequential identifier number of the author of the work per geographic region
	ordem_autoria	Authorship order of the article
	ultimo_nome	Author's last name
	Iniciais	Author's initials
	nome_completo	Author's full name
Article	brazilianRegion	Geographic region of Brazil
	codigo_referencia	Sequential identifier number of the article per geographic region
	doi	Digital Object Identifier
	titulo_artigo_completo	Title of the article
	titulo_periodico_revista	Name of the journal
	ISSN	ISSN of the journal
	volume	Volume of the publication
	serie	Series of the publication
	pag_ini	Initial page
	pag_fim	Final page
	num_artigo_eletronico	Electronic article number
Book	brazilianRegion	Geographic region of Brazil
	codigo_referencia	Sequential identifier number of the book per geographic region
	titulo_livro	Book title
	tipo_publicacao_livro	
	natureza	
	num_volumes	Volume number
	num_paginas	Number of pages
	ISBN	International Standard Book Number
	num_edicao_revisao	Number of edition or revision
	serie	Series
cidade_editora	City of Publisher	
nome_editora	Name of Publisher	



Table S2. Cont.

Table	Field	Description
Book Chapter	brazilianRegion	Geographic region of Brazil
	codigo_referencia	Sequential identifier number of the book chapter per geographic region
	titulo_capitulo	Chapter title
	titulo_livro	Book title
	organizadores	Book organizers
	num_volumes	Volume number
	pag_ini	Initial page of the chapter
	pag_fim	Final page of the chapter
	num_edicao_revisao	Number of edition or revision
	serie	Series
	ISBN	International Standard Book Number
	cidade_editora	City of Publisher
	nome_editora	Name of Publisher
Master's Thesis / Doctoral Dissertation	brazilianRegion	Geographic region of Brazil
	codigo_referencia	Sequential identifier number of the of the thesis per geographic region
	titulo_tese	Title of thesis
	nivel	MS-Master; DR-Doctor
	curso	Name of the Graduate course
	instituicao	Institution
	nome_orientador	Name of supervisor
	ano_ini	Initial year
ano_fim	Final year	

