




**Lagoons for Life DATABASE
REPORT**

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1 Introduction

This document was produced by the Lagoons Forum (www.lagoons4life.com) and aims to list existing datasets and data sources pertaining to coastal lagoons, covering all types of relevant information (i.e. socioeconomic and environmental data). It is by no means an exhaustive list and will be, therefore, updated regularly as more information is collated, or new datasets become available.

This document should always be accompanied by the Lagoons4Life Database, the current version of which is: **L4L_DB_v1.0**

2 Lagoons Forum Case Studies

At the first Lagoons for Life meeting, 12 lagoons were identified as sites of interest (Table 1) and will be investigated in terms of available *in situ* data (this document) as well as satellite observations. This list will grow and be amended as necessary reflecting current and future activities of the Lagoons Forum members.

Table 1: List of 12 case studies

Name	Country
Venice	Italy
Sacca Di Goro	Italy
Curonian	Lithuania; Russia
Chilika	India
Lagos Lagoon	Nigeria
Saint Lucia	South Africa
Lagoa dos Patos	Brasil
Razim	Romania
Mar Chica	Morocco
Lake Pontchartrain	USA
Tam Giang	Vietnam
Ria Formosa	Portugal

3 Identified datasets pertaining to case study lagoons

The following datasets have been identified by members of the Lagoons Forum:

- Water quality dataset held for **Lagoon Ria Formosa** (Figure 1) by Centro de Investigação Marinha e Ambiental (CIMA), University of Algarve (1987-2012); various stations
- Various datasets (meteorology, population, human activities, various maps) held for **Lagoon Sacca Di Goro** (Figure 2) online (time period not defined)
- Various datasets (meteorological data, agriculture, population and industrial activity) held for **Curonian Lagoon** (Figure 3) online (time period not defined)
- DIVA dataset: **various lagoons** and various parameters (e.g. floodplain area, land use, occurrence of hurricanes, population affected by flooding, coastal slope, TSM, etc.) (time period not defined)

- NERC GloboLakes database for lagoons and their catchments; **34 lagoons** (Figure 4), various parameters (e.g. water quality, climate, surface runoff, precipitation, air temperature, population density, land cover, geology, soil texture, river network density, *etc.*). A list of the 34 GloboLakes lagoons is given in Appendix 1.

More details on the above-mentioned datasets are found in the associated Lagoons4Life Database file.

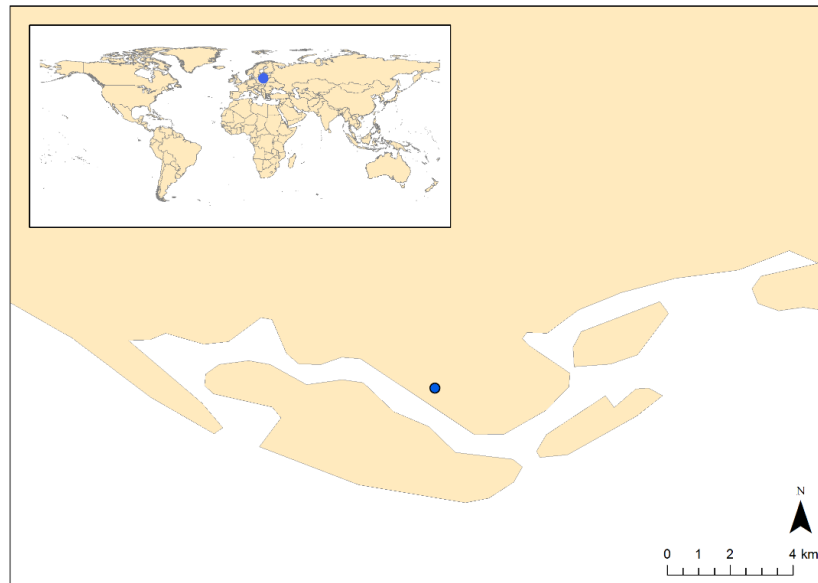


Figure 1: Geographic location of Lagoon Ria Formosa

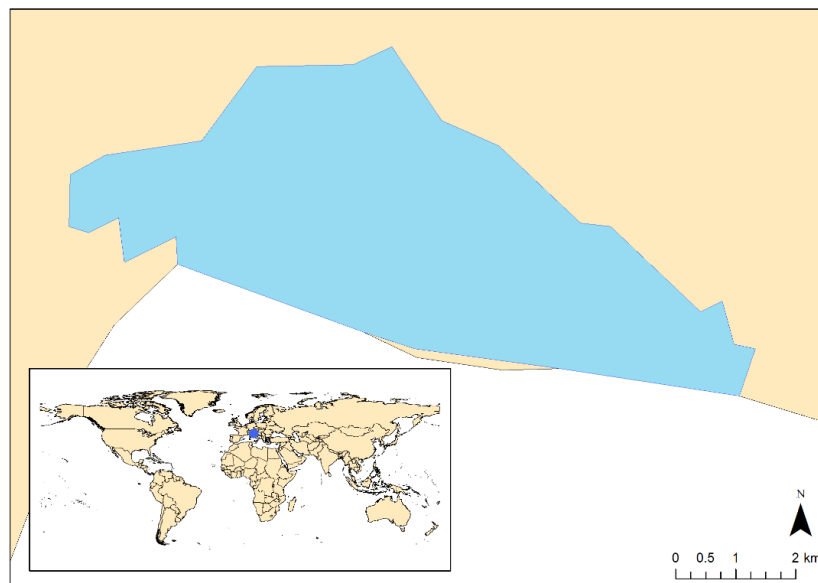


Figure 2: Geographic location of Lagoon Sacca Di Goro

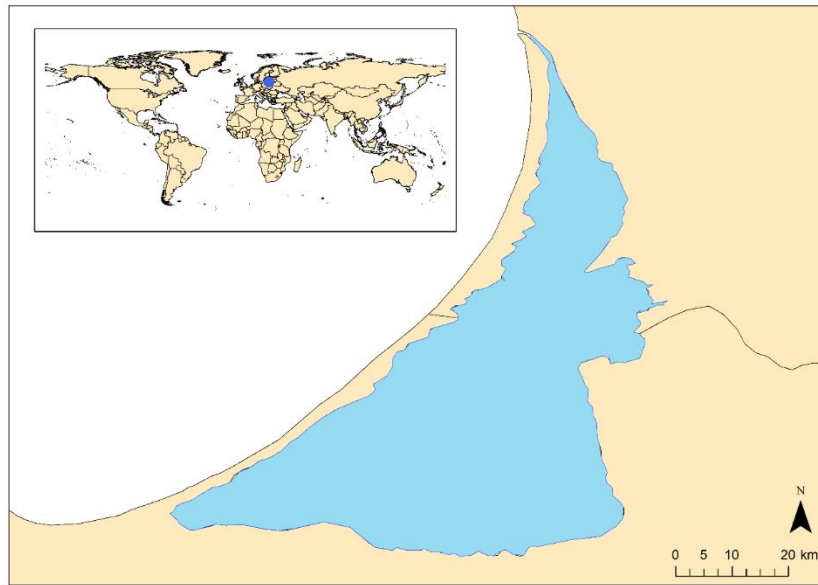


Figure 3: Geographic location of Curonian Lagoon

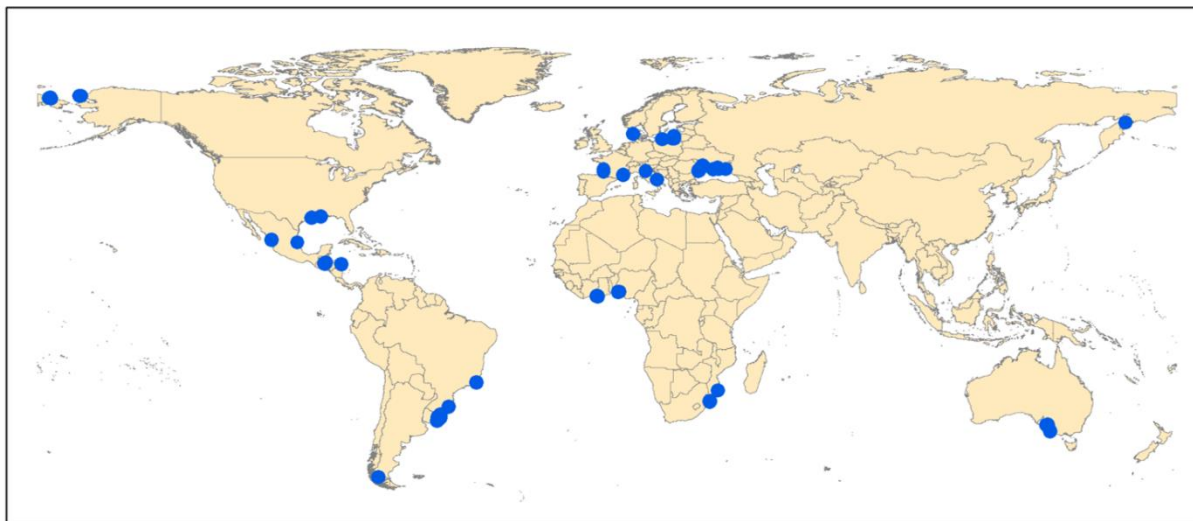


Figure 4: Geographic location of 34 lagoons included in the NERC GloboLakes database. Also available online here: <http://www.globolakes.ac.uk/map.html>

4 Data and information gaps

This section aims to list data and information gaps as these are identified on a case-by-case basis. These gaps may fall under each of the following categories:

- Missing GIS mapping information (e.g. GIS shapefile of lagoon shoreline, catchment boundary, etc.)

- Missing lagoon name (i.e. cannot be identified on Google Maps)
- Missing environmental datasets – Prerequisite: Exhaustive list of environmental datasets required to describe the site
- Missing socioeconomic information – Prerequisite: Exhaustive list of socioeconomic datasets required to describe the site

Based on the initial 12 case studies listed in Section 2 of this document, a preliminary data and information gap analysis is given in Table 2.

Table 2: Data and information gaps (preliminary analysis) for the 12 case studies

Name	GIS mapping info ¹	Environmental data identified for ²	Socioeconomic data identified for ²	GloboLakes lagoon
Venice	✓			No
Sacca Di Goro	✓	✓	✓	No
Curonian	✓	✓	✓	Yes
Chilika	✓			No
Lagos Lagoon	✓	✓	✓	Yes
Saint Lucia	✓	✓	✓	Yes
Lagoa dos Patos	✓			No
Razim	✓	✓	✓	Yes
Mar Chica	✓			No
Lake Pontchartrain	✓			No
Tam Giang	✓			No
Ria Formosa		✓		No

¹ Available to authors at time of report generation

² Based on the relevant section of this report

APPENDIX 1

List of 34 lagoons included in the NERC GloboLakes database:

<http://www.globolakes.ac.uk/map.html>

GloboLakes ID	Name	Country(-ies)	Lon	Lat
46	MIRIM	Brazil; Uruguay	-53.0865	-32.8292
210	ALEXANDRINA	Australia	139.1647	-35.4863
231	MANGUEIRA	Brazil	-52.8054	-33.1452
245	IZABAL	Guatemala	-89.1474	15.51582
358	RAZIM Lake	Romania	28.96155	44.83648
410	SYVASH Lake, South	Ukraine	35.18666	45.42091
418	ABY	Ivory Coast; Ghana	-3.16085	5.218121
459	UNKNOWN	Russia	-175.992	67.7006
485	LAGOS	Nigeria	3.5814	6.533915
509	UNKNOWN	Ukraine	30.30391	46.25575
618	SAINT LUCIA	South Africa	32.46463	-28.0252
746	MAUREPAS	United States	-90.5013	30.25228
748	CALCASIEU Lake	United States	-93.3126	29.92336
801	FEIA	Brazil	-41.3396	-22.0128
1121	NEGRA	Uruguay	-53.6821	-34.0318
1216	BERRE	France	5.106023	43.46507
1361	UNKNOWN	Mexico	-106.072	22.96091
1437	TANSIN, Laguna de	Honduras	-83.9326	15.28418
1616	POELELA	Mozambique	35.05908	-24.535
1656	UNKNOWN	Brazil	-50.0823	-29.699
1941	VALLI DI COMACCHIO	Italy	12.17159	44.60923
2012	PUEBLO VIEJO	Mexico	-97.8851	22.15301
2246	ANOLGYTGYN	Russia	163.7551	59.99997
2408	UNKNOWN	Ukraine	33.49999	45.20278
2518	UNKNOWN	Chile	-72.3266	-51.882
2532	NISSUM FJORD, BØVLING FJORD, FELSTED KOG	Denmark	8.190208	56.35722
2554	ŁEBSKO Lake	Poland	17.41162	54.71743
2927	VARANO, Lago di	Italy	15.7474	41.8808
2961	KURCHANSKIY	Russia	37.4875	45.27895
3025	HOURTIN, Lac d'	France	-1.11226	45.13539
3171	MARRYAT Inlet	United States	-166.508	68.37941
3189	GEORGE	Australia	139.9895	-37.4094
3196	CAZAUX ET DE SANGUINET, ÉTANG DE	France	-1.15574	44.48339
248614	CURONIAN	Lithuania; Russia	21.02102	55.14782

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