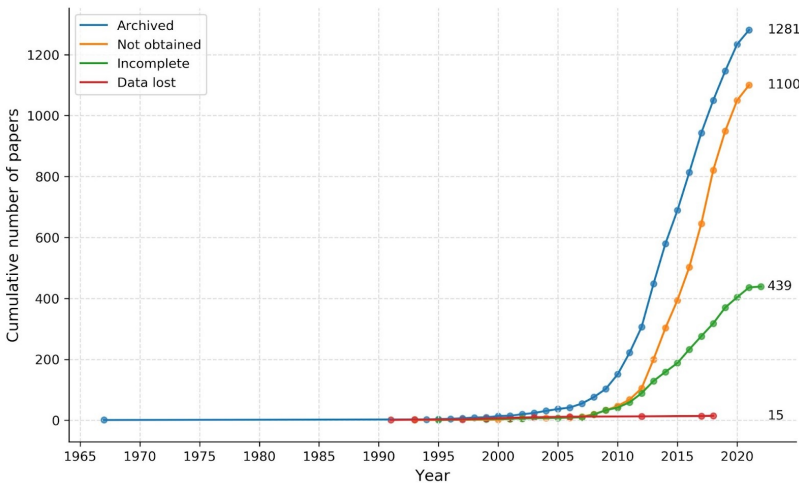
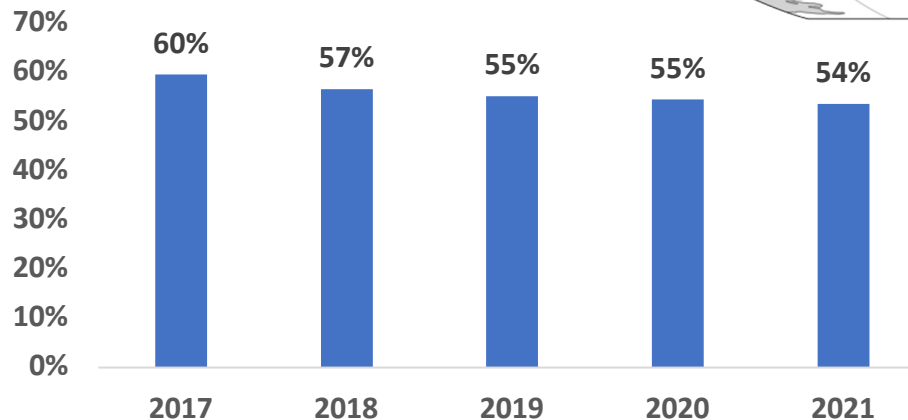


Data compilation on the biological response to ocean acidification

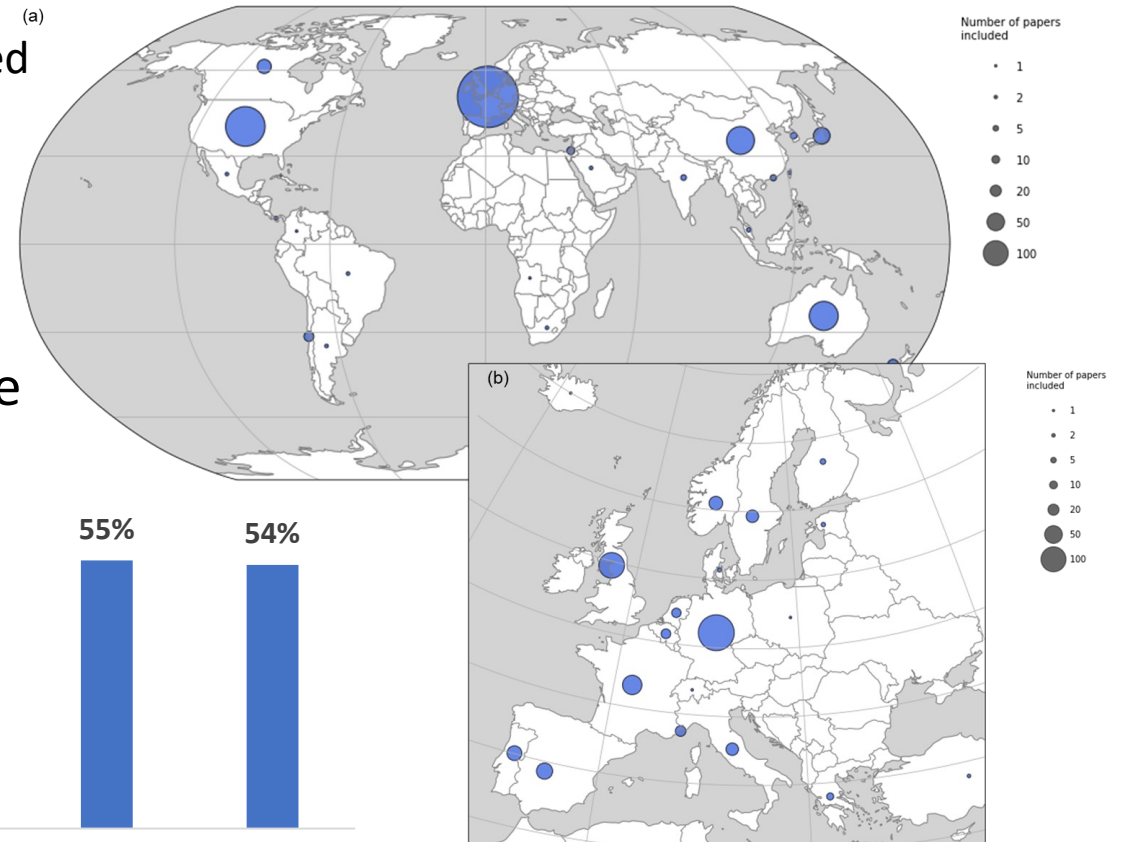
- Initiated by the European projects EPOCA and EUR-OCEANS in 2008
- Resumed in the framework of OA-ICC In coop. with Xiamen Univ. and PANGAEA
- The goal is to gather published data on the biological response to OA to make them openly available in a coherent format via the data publisher PANGAEA (<http://www.pangaea.de>)
- Total **3026** papers identified, data from **1367** papers were archived
- Data portal: <http://oa-icc.ipsl.fr/>



Success rate

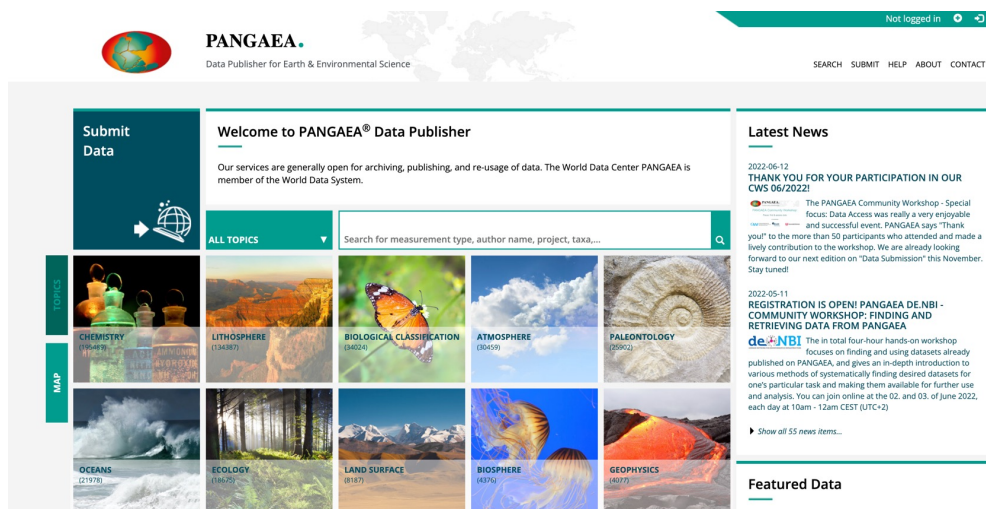



*Successful rate=Data obtained/(Data obtained+ Data not obtained)



Requesting help from the community for the benefit of the community

- New published papers are archived in the biblio database
- If data are already public, Yan archives this dataset on Pangaea
- If not, Yan contacts the corresponding author
- Four emails are sent within several months
- If no answer, data are not archived (author permission is important)
- If answer from authors, Yan asks for the dataset used for figures/tables in the manuscript
- Quality check from the author before validation







Ocean Acidification
International
Coordination Centre

OA-ICC

Promoting global cooperation
in a changing ocean world

OA-ICC

 fgazeau@gmail.com (non partagé) [Changer de compte](#) 


*Obligatoire

Short description of my dataset

This forms aims to facilitate the entry of your data set in the OA-ICC data compilation

Date *

Date

dd/mm/yyyy 

Investigator family and first names *

Votre réponse

The team behind it



yangyan@xmu.edu.cn

Data curator



frederic.gazeau@imev-mer.fr

Focal point



patrick.brockmann@lsce.ipsl.fr

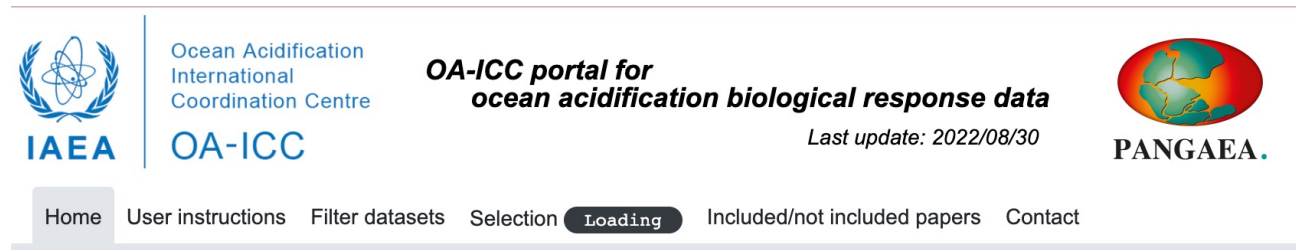
Data portal

Help from biblio database team

Carolina Galdino (C.Galdino@iaea.org), Sarah Flickinger (S.Flickinger@iaea.org), Ashley Bantelman (A.Bantelman@iaea.org)

Past members: Marine Lebrec, Trevor Heakes, Lina Hansson, Anne-Marin Nisumaa, Nassim Taalba

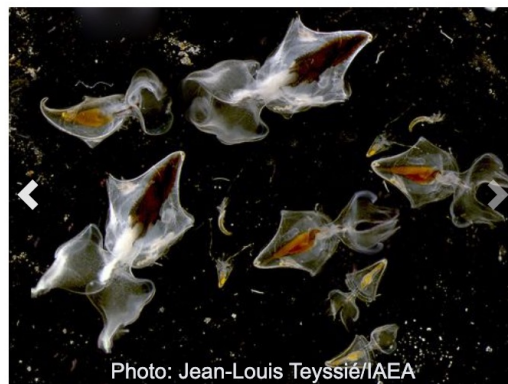
Implementation of a dedicated data portal



Interface by P. Brockmann (OA-ICC consultancy)

The number of studies investigating the effects of ocean acidification on marine organisms and communities are increasing every year. Results are not easily comparable since the carbonate chemistry and ancillary data are not always reported in similar units and scales, and calculated using similar sets of constants.

In response to this problem, a data compilation is hosted at [PANGAEA](#) Data Publisher for Earth and Environmental Science and maintained in the framework of the International Atomic Energy Agency ([IAEA](#)) project "Ocean Acidification International Coordination Centre (OA-ICC)" in collaboration with [Xiamen University](#). The goal of this data compilation is to ensure the archival and streamlining of data on the biological response to ocean acidification (and other environmental drivers), as well as to provide easy access to the data for all users. Published data are made available to the scientific community in a coherent format and with a citable DOI.



The goal was to make it easier for the user to select for the desired datasets

Long process of defining and assigning keywords to each dataset

Our team extracts data directly from tables or figures in published papers, or downloads the data from other data repositories such as the Biological and Chemical Oceanography Data Management Office ([BCO-DMO](#)), the British Oceanographic Data Centre ([BODC](#)) and the Australian Antarctic Data Centre ([AADC](#)). Finally, we are contacting authors to collect data which are not readily available in the papers or other data repositories.

As part of the effort, the carbonate system variables are recalculated in a consistent way. Authors are always contacted to quality-check their data sets before archiving.

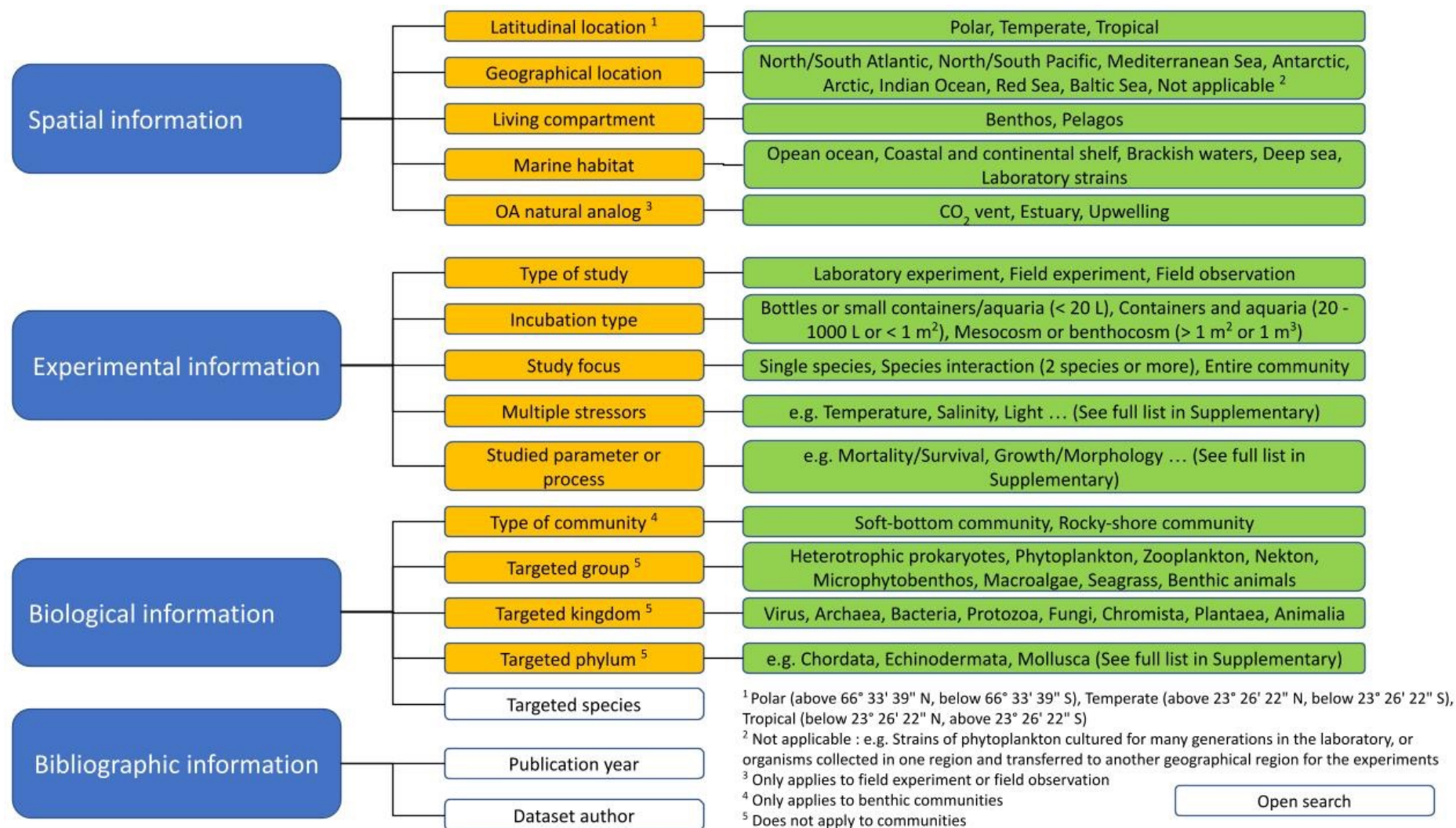
The compilation currently includes data from over 1230 data sets from more than 1250 papers.

The list of papers currently included in the database can be consulted from the "[Included/not included papers](#)" tab.

If any of your published data are not currently included in the database, please do not hesitate to contact us. The OA-ICC thanks you in advance for sharing your data, it is a great way to get more cited!

[Contribute!](#)

Keywords allocation



Let's have a look at it

- <http://oa-icc.ipsl.fr/>