

LifeWatch Data Grant 2015

Filling the gaps in the World Register of Marine species (WoRMS)

Porifera

Final Report

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1. Data grant background

This data grant is issued in the framework of the LifeWatch project, to make the content of the Brazilian Demospongiae and Hexactinellida (Porifera) within the World Register of Marine Species (WoRMS) more complete.

2. Agreed deliverables (as specified in the Data Grant contract)

- Inclusion of ca. 130 first species records for the Brazilian EEZ and Marine Ecoregions.
- Addition and updates of type specimens, secondary records, and images for ca. 400 taxa.
- Addition of ca. 20 new taxa.

3. Results of the project:

408 species were updated in to WoRMS database;

373 species were added to: Brazilian Exclusive Economic Zone (EEZ), marine ecoregions according to Spalding et al. (2007) and deep sea provinces according to Wastling et al. (2013); first and secondary records was added;

189 native species from Brazil (all species originally described from Brazilian coast) had been type specimens updated;

158 species had been extended their distributions records from the Caribbean sea to the Brazilian coast;

35 species had minor corrections;

5 images of type specimens were added.

Unfortunately no taxa was added due to lack of new species publications from Brazilian coast during the Project period.

Other actions taken:

During the process, a lot of distributional data were added and corrected;

Many new sources were added (PDF when it was possible).

4. (Brief) description of the work/methodology

It was used only specific publications from the Porifera group to carry out the corrections and the updates about the species distributions and type specimens.

5. Problems encountered and how it was solved (or expected solutions).

It was solicited to the authors of taxonomy publications for the original photos of native Brazilian species published in the period of 2011-2015 to carry out the photos update of holotype, but unfortunately almost no one provided a single photo. That's why only five photos were updated.

6. Other: remarks, suggestions, other information, bibliography, ...

SPALDING, M. D., FOX, H. E., ALLEN, G. R., DAVIDSON, N., FERDAÑA, Z. A., FINLAYSON, M., ET AL. 2007. Marine ecoregions of the world: A bioregionalization of coastal and shelf areas. *Bioscience*. 57(7), 573-583.

WATLING, L., GUINOTTE, J., CLARK, M. R. & C. R. SMITH. 2013. A proposed biogeography of the deep ocean floor. *Progress in Oceanography*. 111: 91-112.