

## **LifeWatch Data Grant 2014**

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

*Cardiidae*

### **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 Cardiidae (Bivalvia, Mollusca) within the World Register of Marine Species (WoRMS) more complete.

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

To document references of the original descriptions;

- add information on the type localities;
- and add type repositories and registration numbers.

With estimated number of taxa involved:

- Circa 25 species will be added (all synonyms);
- Circa 300-350 species will be revised, of which c. 250 are accepted species

### 3. Results of the project:

- **26** species level taxa were added: most synonyms, further several relevant fossil species (all type species of Recent genera) and a three new cardiid species described in 2014.
- **455** taxa were revised; of **378** of these references to the original descriptions were added + type localities and type repositories + registration numbers of primary type material.  
The emphasis was on the currently accepted species: all of these have been revised.
- **7** taxa were checked.

#### Other actions taken:

- Many new sources were added, nearly all containing original descriptions of revised taxa.
- During the process, a lot of distributional data were added and corrected.
- Many images were checked.
- Several incorrect, confusing taxa that did not appear in the literature were deleted.
- Many environmental data were added (quite a few genera also occur in brackish water!).
- For many species the "unaccepted reason" was added.
- Many additional sources and taxonomy sources were added, for instance the Clinocardiinae revisions of Kafanov.
- Of several genera the type taxon was added as well as the kind of type designation.
- Of some authors (Wood, Gray, etc.) initials were added in order to avoid confusion

#### 4. (Brief) description of the work/methodology

Quite straightforward: starting with my Cardiidae species and literature database, all relevant data were copied into WoRMS and carefully checked.

If needed, additional data were looked up and entered.

5. Problems encountered and how it was solved (or expected solutions).
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No problems encountered.

6. Other: remarks, suggestions, other information, bibliography, ...
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I noticed that the literature is sometimes quite messy: in some cases the same reference was found three or four times. This should be cleared up. The autogenerate tool is really good to avoid different ways of entering new sources. Maybe a few more instructions under "Authors", "Journal", etc. would help avoiding entering all kind of variants.