



## Workshop: Talitraits

This workshop is organized back-to-back with the 8<sup>th</sup> International Sandy Beaches Symposium (ISBS), which is taking place at the Hellenic Centre for Marine Research (HCMR), Gournes Pediados, Heraklion, (Greece) from 25-29 May 2018 [www.isbs2018.wordpress.com](http://www.isbs2018.wordpress.com)

### **Aims:**

We do believe that a broad vision combining taxonomy and ecology is timely and necessary to allow the formulation of clear hypotheses and their test with respect to the category “talitrids” in a species-environment approach.

Talitrids are direct developers, hence the population level, strictly tied to the local environmental condition, makes them an ideal target species to draw baselines, depict patterns and monitor changes.

Providing a Taxonomic Backbone for talitrids and related traits is identified as the crucial passage to do so. A dataset in WoRMS is seen as the first step towards this timely change.

### **Venue:**

- HCMR, Crete
- Local organizer: Lucia Fanini

### **Confirmed participants**

Lucia Fanini, Jim Lowry, Lauren Hughes, Filipa Bessa, Ricardo Cardoso, Omar Defeo (only 30<sup>th</sup> May), Davide Iacofano, Charalampos Zafeiropoulos, Leen Vandepitte, Bart Vanhoorne, Stefanie Dekeyzer or Wim Decock (*tbd*)

### **Wednesday 30 May 2018 (day 1)**

#### **9h30:**

- Welcome [local organizers]
- Practical information [Lucia Fanini]
- Round table [all]
- General introduction to WoRMS [Leen Vandepitte – WoRMS DMT]
- Overview of Talitrid biogeography and unevenness in their study [Jim Lowry]
- Relevance of population traits for sandy beach ecology: local level and upscaling issues [Filipa Bessa and Lucia Fanini].

**10h30: coffee / tea break**

**11h:**

- The updated file containing Jim Lowry's checklist of talitrids will be made available on HCMR cloud to be shared among participants. Based on the talitrids' traits and modalities, existing gaps related to the definition of ecological features of semi-terrestrial environments on main repositories will be discussed. Also in this phase the outcomes of the ISBS and latest research directions will be integrated into the workflow [moderator Filipa Bessa]
- Expected outcomes of this session are the definition of overall strategies to 1) deal with the unbalanced information about different talitrids' species and 2) use of unclearly defined environmental features in the dataset. In this light a review of the proposed traits and modalities will be made, and new inclusions may be discussed (e.g. the inclusion of molecular traits).

**13h30: lunch at the Aquarium**

**15h00:**

- WoRMS online editing [WoRMS DMT]
  - o How to edit online
  - o Overview of existing tools & functionalities

**16h00: coffee / tea break**

**16h30:**

- Hands-on online data entry [all]  
*Dr. Jim Lowry will provide the available literature on talitrids, to be used in the references. Different strategies, i.e. 1) working on at least one well-known species and a not well-known one and 2) working on species from clearly defined environments and non-clearly defined ones will be tested at this stage.*

**18h30: End of day 1**

**Dinner (place to be confirmed)**

<b>Thursday 31 May 2018 (day 2)</b>
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**9h30:**

- Sum-up of day 1, evaluation of hands-on online data entry (Leen)
- Hands-on work on the online editing interface. Discussion of eventual questions arisen from the previous day. Testing queries, e.g. ecological categories such as sand-hoppers and beach-hoppers; relation to stranded wrack (feeding or sheltering); potential for invasiveness; connection to climate change scenarios.

**11h00: coffee / tea break**

**11h30:**

- Hands-on online data entry [all] (continued)

**13h30: lunch at the Aquarium**

**15h00:**

- Wrap-up session, which will include:
  - o Plans for completion and maintenance of the dataset, with identification of responsibilities of participants and research groups
  - o Agreement on mid-term and long-term goals (e.g. paper in the proceedings of ISBS2018 - currently being planned as special issue of Estuarine Coastal and Shelf Science), eventual involvement of students on the topic, and on the short-term outcomes (publication, presentation at forthcoming conferences).
  - o The possibility of having involved at least one student per group will be discussed.
  - o Potential new and extended existing collaborations will be discussed

**16h00: coffee / tea break**

**16h30:**

- Wrap-up session (continued).
- Goal of this session is to set up a roadmap with objectives and deadlines, based on the commitment of single participants and honest estimates of energies to dedicate to Talitraits.

**18h30: Closure of workshop**

**20h00: Beach party, depending on the weather. Alternatives will be possible.**

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**Some important practical information for the hands-on online data entry**

- Bring your own laptop ☺