**Data belonging to:**

Chiu H. Cheng, Bas. W. Borsje, Olivier Beauchard, Sarah O’Flynn, Tom Ysebaert and Karline Soetaert. Small-scale macrobenthic community structure along asymmetrical sand waves in an underwater seascape. *Marine Ecology*, 2021; 00:e12657. <https://doi.org/10.1111/maec.12657>

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**Processed data files:**

abiotic.csv – abiotic data averaged per station for Chiu\_Habitats.R (raw data files can be found at <https://dx.doi.org/10.4121/uuid:9f6e21c5-f35b-4bca-a468-7534e04bb240>).

ALL\_MACROFAUNA\_June2017.csv – macrofauna counts and biomass for each taxon

disdep.csv – distance and depth information for multicore samples (associated with abiotic.csv)

disdep\_box.csv – distance and depth information for boxcore samples (associated with ALL\_MACROFAUNA\_June2017.csv)

Samples.csv – boxcore sample with station, replicate, distance and depth information

sta.csv – latitude and longitude information for boxcore samples

traits.csv – trait information for taxa

* Mi – Reworking traits (Queiros et al. 2013)
* Ri – Mobility traits (Queiros et al. 2013)
* bm – Body mass
* bl – Body length (not used in publication)
* mo – Mobility (not used in publication)
* bd – Burrowing depth
* ft – Feeding type
* mt - Motility

**Main Figures:**

Chiu\_Fauna.R – compiled data for multivariate analyses and manuscript plots

EigenBar.R – function sourced in Chiu\_Fauna.R for plots

ErrorBar.R – function sourced in Chiu\_Fauna.R for plots

Chiu\_Habitats.R – compiled data; formatted for statistical analyses

Chiu\_Fig1.R – station coordinates of samples

Europe – Coastlines (subdirectory) **–** geographical files forChiu\_Fig1.R maps

**Cited Paper:**

Queiros et al. 2013 -  <https://doi.org/10.1002/ece3.769>