



*Supplement of*

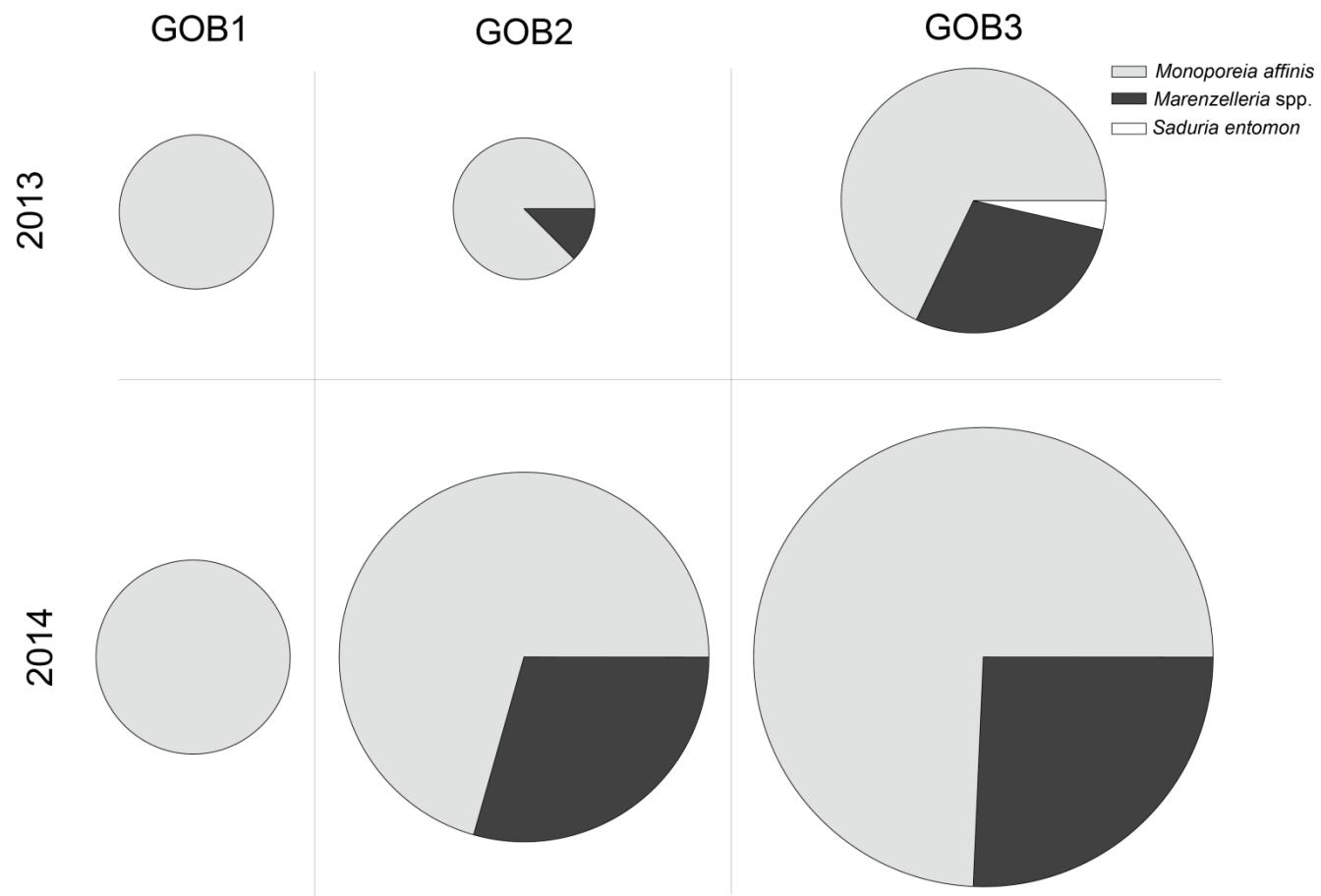
## **The fate of fixed nitrogen in marine sediments with low organic loading: an in situ study**

**Stefano Bonaglia et al.**

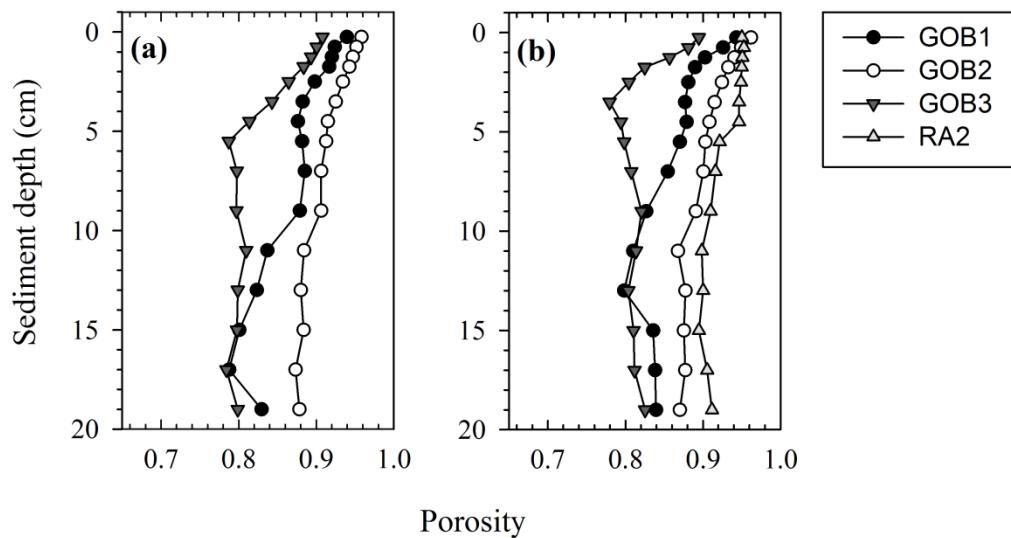
*Correspondence to:* Stefano Bonaglia (stefano.bonaglia@gmail.com)

The copyright of individual parts of the supplement might differ from the CC-BY 3.0 licence.

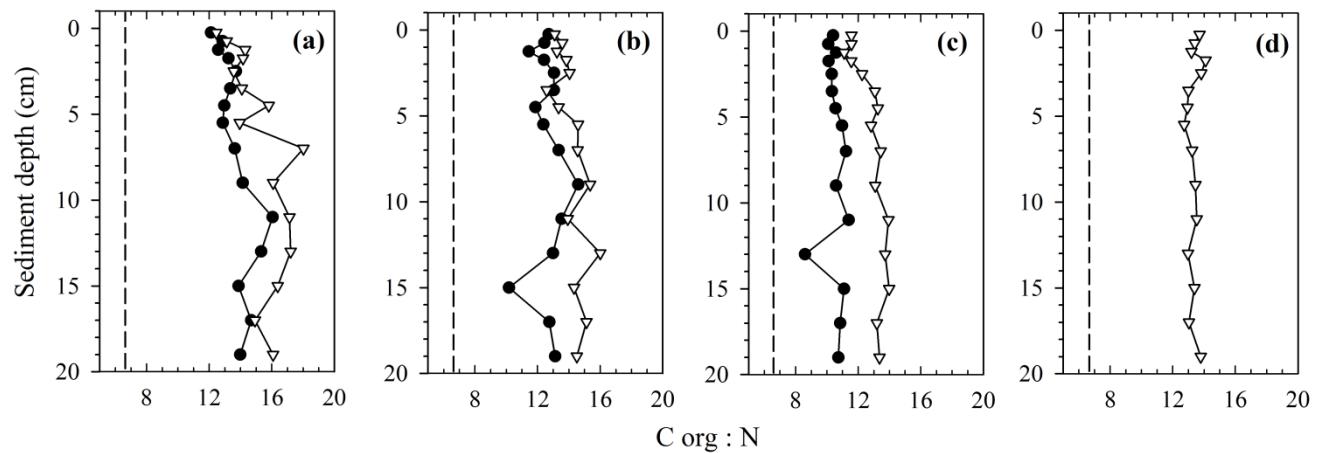
## Supplementary figures



5 Supplementary Figure S1: Relative abundance of macrofaunal taxa retrieved (500  $\mu\text{m}$  sieve) after in situ incubations with benthic chamber landers (2013) and after ex situ incubation of whole sediment cores (2014). No macrofaunal organism was found at station RA2.



5 **Supplementary Figure S2: Sediment porosity profiles at the different stations in 2013 (a) and in 2014 (b).**



5 **Supplementary Figure S3: Profiles of  $C_{org} : N$  ratios in sediments at GOB1 (a); GOB2 (b); GOB3 (c); RA2 (d). Black dots represent values from 2013 while white triangles represent values from 2014. Vertical dashed lines represent the Redfield molar ratio of 6.6.**