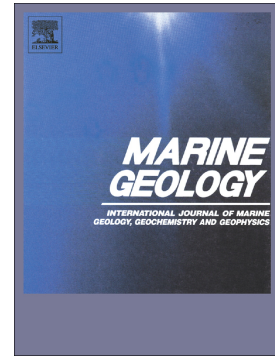


## Accepted Manuscript

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PII: S0025-3227(17)30072-5  
DOI: doi: [10.1016/j.margeo.2017.02.015](https://doi.org/10.1016/j.margeo.2017.02.015)  
Reference: MARGO 5592

To appear in: *Marine Geology*

Received date: 20 July 2016  
Revised date: 5 February 2017  
Accepted date: 24 February 2017

Please cite this article as: M. Payo-Payo, R.S. Jacinto, G. Lastras, M. Rabineau, P. Puig, J. Martín, M. Canals, N. Sultan , Numerical modeling of bottom trawling-induced sediment transport and accumulation in La Fonera submarine canyon, northwestern Mediterranean Sea. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. *Margeo*(2017), doi: [10.1016/j.margeo.2017.02.015](https://doi.org/10.1016/j.margeo.2017.02.015)

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**Numerical modeling of bottom trawling-induced sediment transport and accumulation in La Fonera submarine canyon, northwestern Mediterranean Sea**

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**Highlights:**

- A novel framework for estimating bottom-trawling sediment resuspension and transport is provided.
- The results yield a spatial view of submarine canyon sediment dynamics and sedimentation patterns.
- Model results are in good agreement with in situ data and sedimentation rates.

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