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## Decapod larvae distribution and species composition off the southern Portuguese coast

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### Author contribution:

AdS and HQ conceived and designed the experiments. PNP, AdS, HQ and AMPS conducted fieldwork. AdS and PNP analyzed the samples. RN and JD performed and analysed the numerical model. PNP performed the statistical analyses. RFTP critically revised the manuscript. All authors analyzed the data. All authors wrote the manuscript.

### Abstract:

For decapod crustaceans, the larval phase is the main responsible for dispersal, given the direct emission from adult habitats into the water column. Circulation patterns and behavioural mechanisms control the dispersal distance and connectivity between different areas. Information on

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