

Interactive comment on “Dataset of Submerged Sand Deposits organised in an interoperable Spatial Data Infrastructure (Western Sardinia, Mediterranean Sea)” by Walter Brambilla et al.

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Received and published: 17 January 2019

Authors integrate an interesting dataset of morpho-sedimentological data of the W Sardinia continental shelf specifically oriented to the evaluation of sand reservoirs potentially available for coastal protection. I suggest two minor additions: a) at some point of the manuscript should be clarified that sand extraction on the continental shelf produces environmental impacts. Therefore, an accurate evaluation of these impacts should be required before extraction (and areas close to Posidonia meadows are specially sensitives); and b) to provide some information (or reference) about the sediment grain size of Sardinian beaches. Since the nourished sediment is usually coarser than

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the original one in the beach, this information would provide a first approximation to how useful could be each sand deposit for coastal regeneration purposes. Other technical points: Page 3, lines 29-31, some reference? Page 4, lines 17-18, repeated sentence; Page 5, line 10, years in brackets; Page 8, lines 30-31, this information is repeated along the manuscript; Page 9, line 4, I suggest change “a tool useful in future climate change scenarios” to (or similar) “an information useful for coastal management at present and in future climate change scenarios”

Interactive comment on Earth Syst. Sci. Data Discuss., <https://doi.org/10.5194/essd-2018-133>, 2018.

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