

## ***Interactive comment on “A database of marine and terrestrial radiogenic Nd and Sr isotopes for tracing earth-surface processes” by Cécile L. Blanchet***

**M.D. Krom (Referee)**

m.d.krom@leeds.ac.uk

Received and published: 10 November 2018

Review of Blanchet – marine and terrestrial Nd and Sr isotopes

General comment: I think this is a valuable compilation of Nd and Sr isotopic data and should be published with minor changes. The title is a bit misleading since the data set is not global but relates to sources to the Mediterranean. This does not mean it is not valuable but it does mean that the title should be adjusted to describe exactly what area has been archived. The author uses the first person pronoun (I) too often. This should be reduced. She also uses the adverb 'very' too often. That should be removed as it is non-scientific.

C1

Specific comments 1 Background Line 28 are instead of is Line 29 remove very Page 2 various places remove very and adjust so it does not say I. Page 3 line 16 remove a Line 22 remove in a second time and follow with All samples were then assigned. . . Line 30 replace realised with carried out Page 3 line 3 below Line 11 it is actually the Ba/Al ratio that is used. Page 5 line 1; The record should include how the sample was analysed. It used to be that all samples were analysed by TIMS but now there are ICP-MS analyses too. Line 6 sediments while there is also . . . Line 9 add potential source areas (PSA) to define this abbreviation the first time it is used and remove from line 27. Line 14 remove very Line 21 it allows the extension of the record. . .

---

Interactive comment on Earth Syst. Sci. Data Discuss., <https://doi.org/10.5194/essd-2018-109>, 2018.

C2