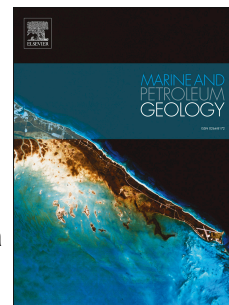


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Origin and age of carbonate clasts from the Lusi eruption, Java, Indonesia

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1 **Origin and age of carbonate clasts from the Lusi eruption, Java,**

2 **Indonesia**

3

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14

15

16 **Abstract**

17

18 Deep stratigraphic constraints below the Indonesian Lusi mud eruption are currently

19 lacking due to the absence of deep wells and good quality seismic data. A collection

20 of carbonate clasts has been sampled from the Lusi site, active since its birth in 2006.

21 These specimens are part of a large variety of lithotypes erupted from the main crater.

22 The carbonates analysed comprise scleractinian coral and bivalve shell fragments,

23 probably shallow-water in origin, and clasts consisting of planktonic foraminifera-

24 bearing mudstone, from pelagic deposits. Selected rocks were analysed using

25 planktonic foraminifera and ⁸⁷Sr/⁸⁶Sr dating with the aim to constrain their age and to

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