

# FAVOURABILITY MAP FOR RARE EARTH ELEMENTS MINERALIZATION IN EUROPE

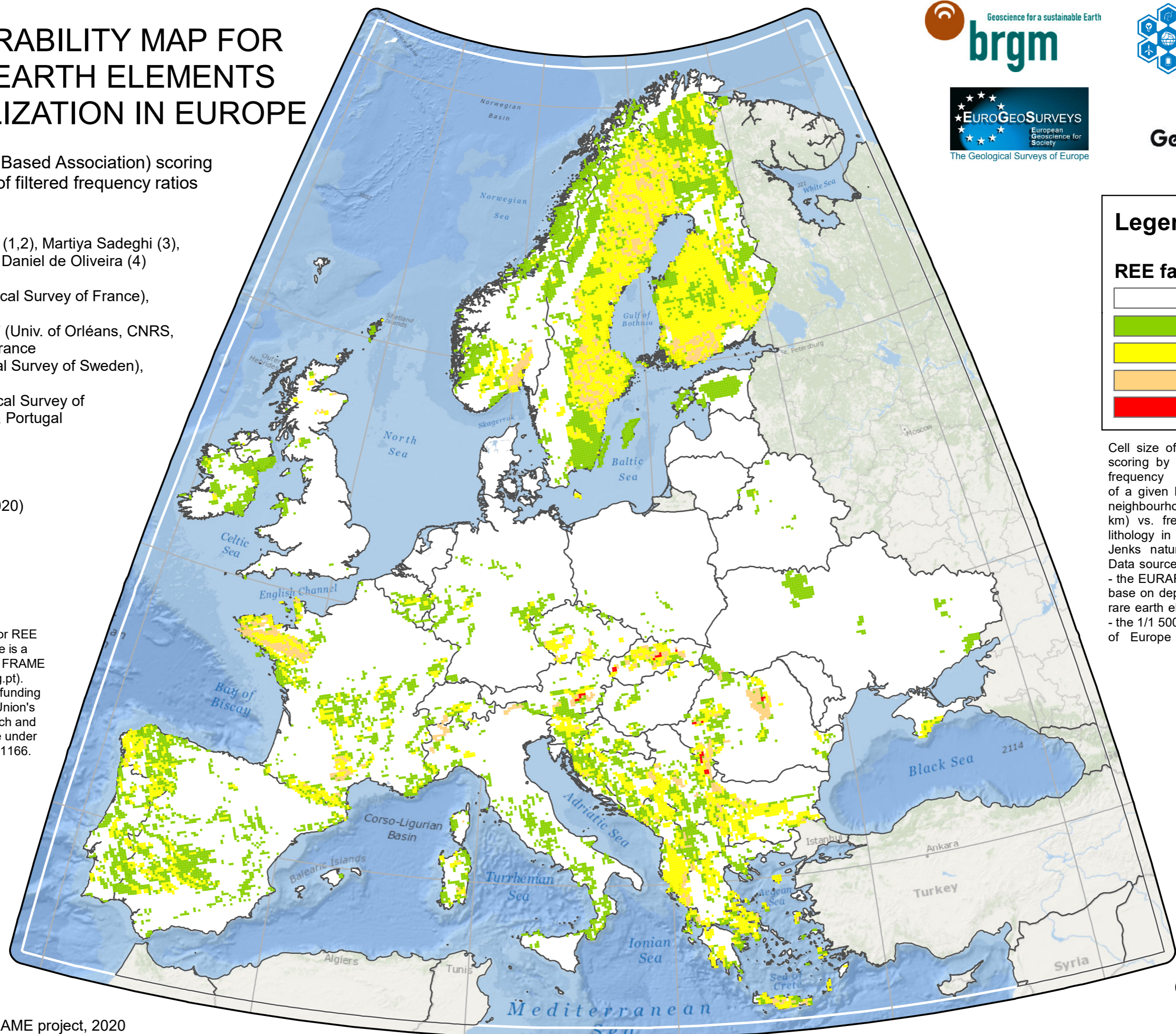
CBA (Cell Based Association) scoring by sum of filtered frequency ratios

Guillaume Bertrand (1,2), Martiya Sadeghi (3), Bruno Tourlière (1), Daniel de Oliveira (4)

- 1 – BRGM (Geological Survey of France), Orléans, France
- 2 – ISTO UMR7327 (Univ. of Orléans, CNRS, BRGM), Orléans, France
- 3 – SGU (Geological Survey of Sweden), Uppsala, Sweden
- 4 – LNEG (Geological Survey of Portugal), Alfragide, Portugal

Version 1.0 (July 2020)

This favourability map for REE mineralization in Europe is a result from the GeoERA FRAME project ([www.frame.lneg.pt](http://www.frame.lneg.pt)). GeoERA has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 731166.



### Legend

#### REE favourability

	Very low
	Low
	Medium
	High
	Very high

Cell size of 10 km x 10 km. CBA scoring by sum of filtered (i.e. >1 frequency ratios, i.e. frequency of a given lithology in all standarts neighbourhood (buffers of 100 sq km) vs. frequency of the same lithology in all cells of the grid. Jenks natural breaks classification. Data sources are:

- the EURARE project validated database on deposits and occurrences of rare earth elements in Europe;
- the 1/1 500 000 geological synthesis of Europe (Billa et al., 2008).

