# Monogenetic volcanism at the Garrotxa Volcanic Field, Iberian Peninsula: morphometric analysis and implications for landforms recognition and eruptive processes

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Deposits are mainly made of: Medium-thick beds of lithic-rich explosion breccia beds (Fig.3di). Poorly sorted, massive (Fig. 3dii) and laminated (Fig. 3di, 3diii) lithic-rich thin beds lapilli layers with subordinate Strombolian deposits (Fig. 3diii).



Figure 4. Several examples of different types of edifices from the GVF (a-f) and their location (g). Credits: Eduard Masdeu.





## U N I V E R S I T A T de BARCELONA



Figure 1. a) Location of the western European rift and distribution of volcanism (Martí and Bolós, 2019); b) geological map of the Catalan /olcanic Zone and location of L'Empordà, La Selva and the GarrotxaVolcanic Field (GVF) in black dotted squares; c) simplified geological map of the GVF (modified from Bolós et al., 2015); shadow map of the 2x2m DEM (ICGC) of the d) northern and e) southern sectors of the GVF.

## 5. DISCUSSION AND CONCLUSIONS





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