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# New archaeomagnetic data of Bronze and Iron ages from Spain: moving forward the knowledge of the geomagnetic field evolution prior to Iron ages.

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## Résumé

The evolution of the geomagnetic field in the Iberian Peninsula prior to 800 BC is not well known mainly due to the paucity of archaeomagnetic data. This study presents the archaeomagnetic results from 24 combustion structures from different Spanish archaeological sites of Bronze and Iron ages. The samples were analysed using the classical Thellier and Thellier method for paleointensity determination, including the correction for the anisotropy effect of the thermoremanent magnetization (TRM). In addition, alternating (AF) and thermal (TH) demagnetization experiments were performed for directional determination. Rock magnetism experiments complement the study. The new directional and intensity data presented improve both the temporal and spatial distribution of the Iberian archaeomagnetic dataset from Bronze Age to Roman Times.

**Mots-Clés:** archaeomagnetism, Bronze and Iron ages, Iberian Peninsula

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