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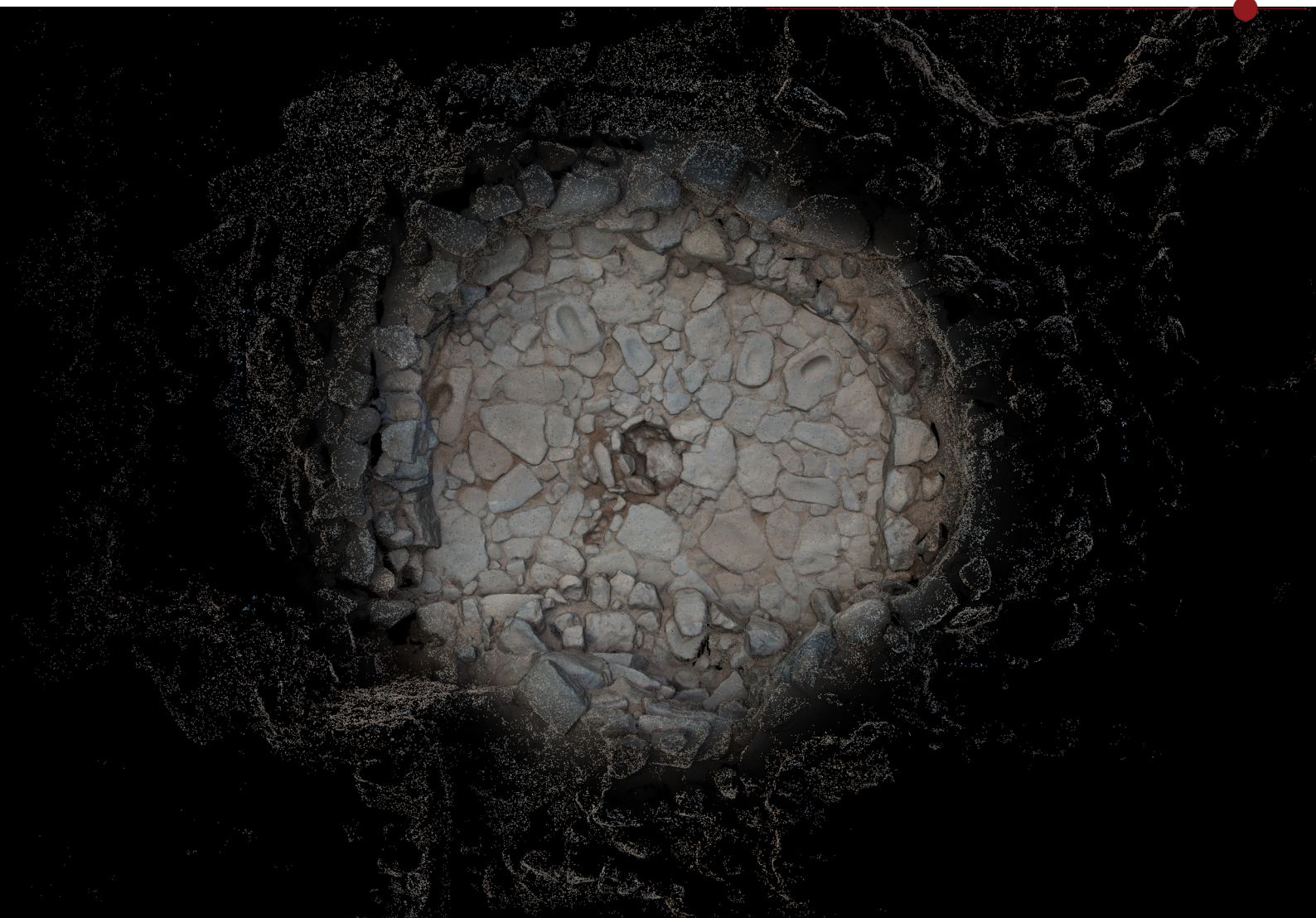
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Poster abstracts

The black coloured stone adzes of the ancient Neolithic of Belgium: petrography, workshops and distribution of the finished products

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Associated with local adzes, composed of flint and sandstone or imported basalt or “greenstone” alpine rocks, there is a lesser known substitute comprised of black rocks accompanying the neolithization of Belgium. These black adzes originate from settlements (Linear Pottery Culture) and workshops. This research allows the characterization of the different types of fine-grained materials (lydites, phtanites and sandy sedimentary rocks rich in silica and sponge spicula). The black colour is caused by organic matter but the absence of palynomorphs does not allow a biostratigraphic ascription. Additional petrographical analyses (optical petrography, SEM), X-ray diffraction, chemical analyses (EDS) and measuring the degree of graphitization of the organic matter through Raman microspectrometry have been decisive in identifying geological and geographical provenances by comparing the acquired results with geological samples collected in the field or through reference collections. The production techniques are described based on the study of recovered roughouts in the workshops. Lastly the maps with the distribution of the different materials will be presented.