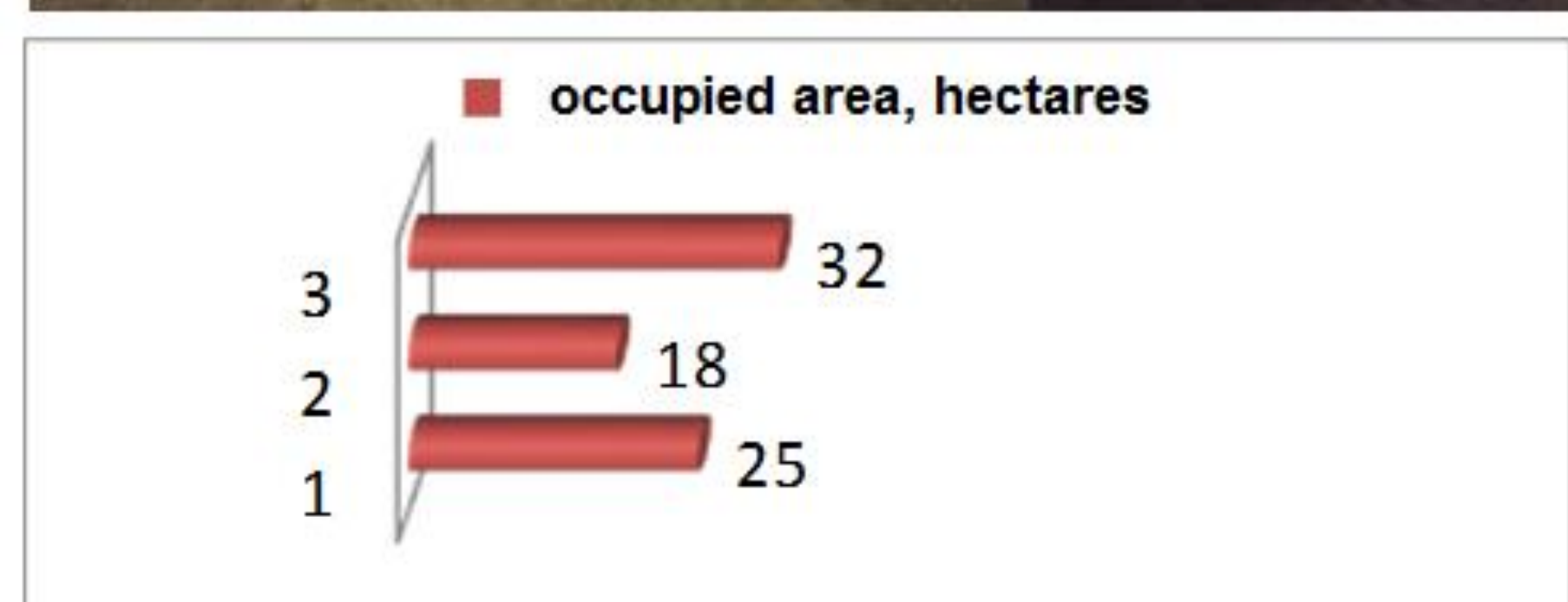
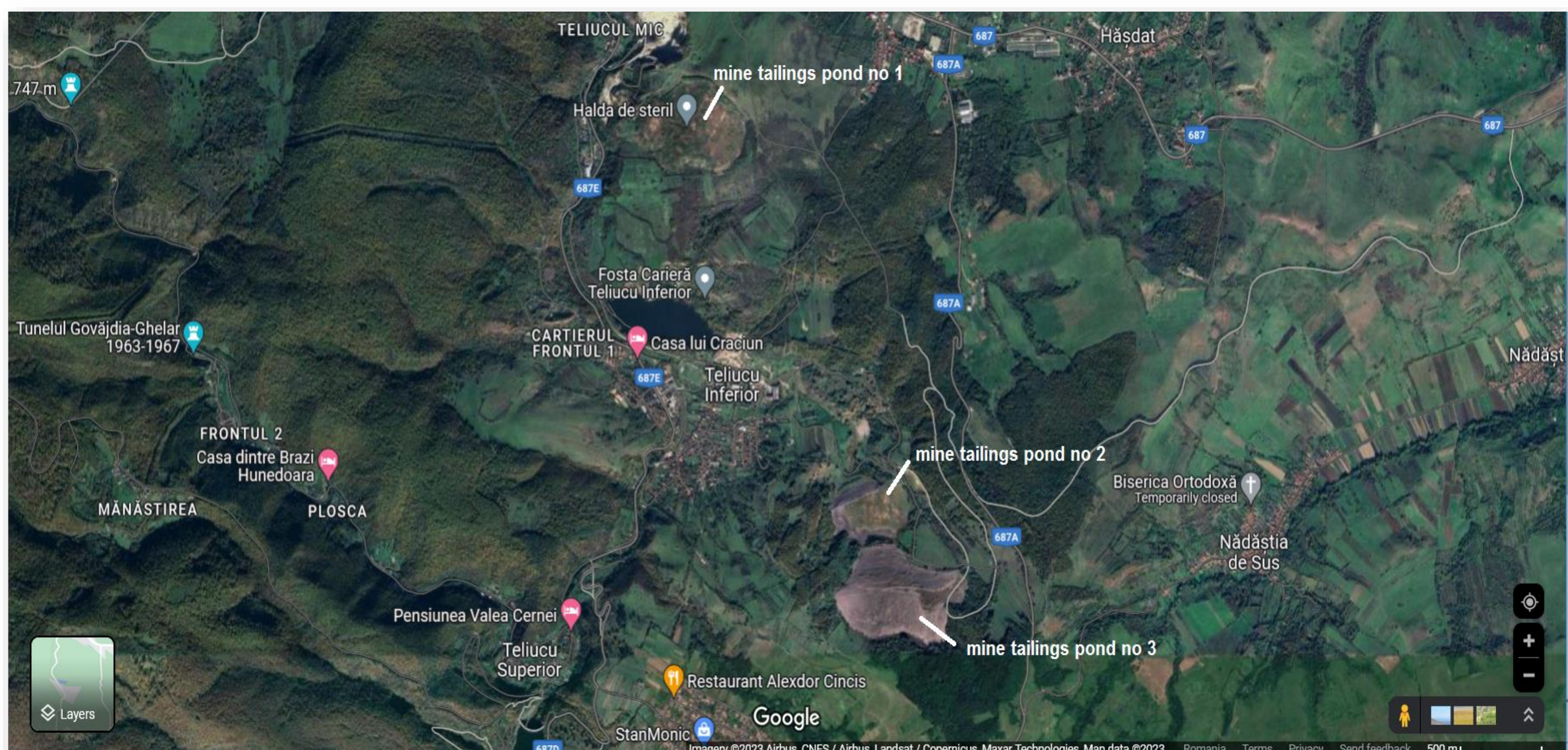


Possibilities of valorization of the tailings resulting from the technological processes of ore preparation

PhD Thesis

Authors: Adriana BOBORA, Ana SOCALICI, Erika ARDELEAN, Corneliu BIRTOK-BANEASA, Adina BUDIUL BERGHIAN

The elimination of "historical" waste still remains a problem that will be solved in a longer period depending on the financial resources and technical solutions that will be available. Considering the high potential given by extensive industrially polluted surfaces as a result of the mining and steel industry in the western area of Romania, and not only, a series of measures must be taken for a modern industrial waste management. The small and pulverulent waste, mainly from the steel industry but also from the mining and energy industries, due to the high content of metals and various oxides, are called by-products and are considered components of natural capital because they can be exploited in the metallurgical industry or in other industrial branches.



The sideritic waste ponds (1, 2, 3) from Teliuc

In the Hunedoara area, following the preparation of the sideritic ore used in the agglomerate processing, there are three sideritic waste settling ponds at Teliuc. The sterile can be subjected to preparation operations and the resulting product can be used to obtain by-products that can be used in industry (example - used in the technological process in steelmaking by briquetting or agglomeration together with other waste with a high iron content).

Contact: gulasadriana@gmail.com