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**SMALL ADITS IN MINING FIELDS OF LONGYEARBYEN (SPITSBERGEN)
- A REPORT FROM RECONNAISSANCE IN THE YEARS 2012 AND 2015**

*history of mining, coal mining,
Svalbard, Spitsbergen, Longyearbyen*

The report shows selected results of penetration of coal mines' relics in the fields of Gruve 1b and Gruve 2b mines in Longyearbyen (Spitsbergen, Svalbard) where the remains of the little adits are described. These objects are characterised by small size of drift mouths and are located at a considerable distance from the main mine units. Nine objects have been characterized, some of them well preserved and within several meters from each other, others are collapsed, and their entrances are covered by screens. The width of these adits varies from 60 to 160 cm, with their height in the range of 80–160 cm. In front of the inlets of some of them miniature waste heaps are located. The volume of these dumps is usually worth of tens of cubic meters. These adits may be a relic of mining activities from the twenties and the thirties of the twentieth century.

Cyclical penetration of the available adits allows for the observation of the rate of destruction of support elements, the rate of retreat of the ice filling the deeper parts of the drift, and the speed of the development of fungal colonies.