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Creating GIS on the pilot area of the Litoměřice district. From soil survey to international information systems

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<https://doi.org/10.17221/1030-SWR>

Citation: Sládková J. (2010): Creating GIS on the pilot area of the Litoměřice district. From soil survey to international information systems. Soil & Water Res., 5: 10-20.

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The procedure of processing and utilising the soil information entering the SOTER system is tested on the pilot area of the Litoměřice district. The reliability of the archive data is examined, the archive data being updated by a new soil survey, modern (geo)statistical methods, and pedotransfer rules. Using the SOTER methodology, a soil map of the district with the scale of 1:50 000 has been developed. Proposals for the adjustments to the currently valid soil classification system are processed.

Keywords:

archive soil data; soil survey; (geo)statistical methods and pedotransfer rules; soil GIS; SOTER

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Impact factor (Web of Science – Thomson Reuters)

2017: 0.882
5-Year Impact Factor: 1.11

SJR (SCImago Journal Rank – SCOPUS)

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