



DARE-Technological sequence of (historical) data register (metadata), collection, transfer, digitalization, QC and homogenization in Slovakia.

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ABSTRACT

Digitalization is essential for history evaluation and future expectation. Main step is (except having accessible archive) to have precise data field overview (archive & database) as well as metadata. Digitalization should be guaranteed by the professional staff as well as implemented standard procedures. Different data input (manual, automatic) needs different quality control and way of processing. Station network automation brings a kind of inhomogeneity as well as relocation station. There exist a lot of stations in archive which do not have an indicative, despite they are very important for the time series data construction. They can be grouped by coordinates, names (e.g. Bratislava time series include 12 locations over several years sometimes decades). Surrounding change causes gradual or abrupt change in time series. Appropriate methods could help make them useful for climate change detection and assessment. People should be aware of having treasure in climatological archives and try to digitalize them as soon as possible through coordination with international authority in respect to experience exchange and help. Local experts play irreplaceable role in data release for scientific purposes.