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# Describe data by scripts for future reuse

*Tuesday, 26 October 2021 10:00 (15 minutes)*

There is a long-lasting discussion in the photon and neutron community how to properly describe the data and which metadata are useful. To fulfil the last letter in FAIR, our data needs to be reusable, which is often the most difficult task for large research infrastructures users.

Petr Čermák will present an easy and convenient way of describing the data by user scripts. We will use publicly available data at PaNOSC ILL, treat them using open-source software and we will publish the scripts on GitHub repository. We will mirror the repository at Figshare to get citable entity and show how to use Binder to re-evaluate the data from any computer in the world even after 100 years.

Such approach will completely describe treated data by their transparent evaluation. Referees of the upcoming publication can easily verify data treatment process, other scientists can easily learn how you are treating the data and what is most important –the data treatment process will work forever.

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