

I.found.it – automation.accelerated.data.sharing

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National.EOSC.CZ.Conference.Ostrava.December.2-3.2025



Spolufinancováno
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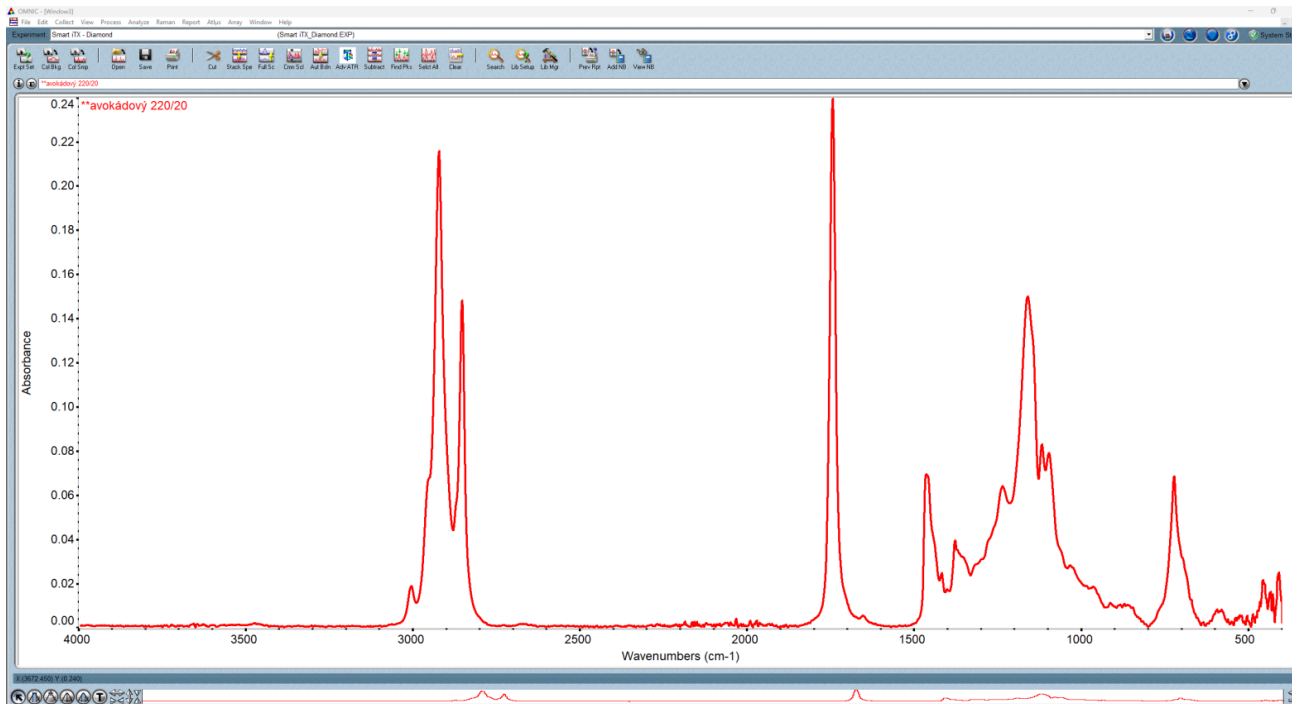


J. Heyrovský Institute



Czech Academy
of Sciences

A bright day in my research life



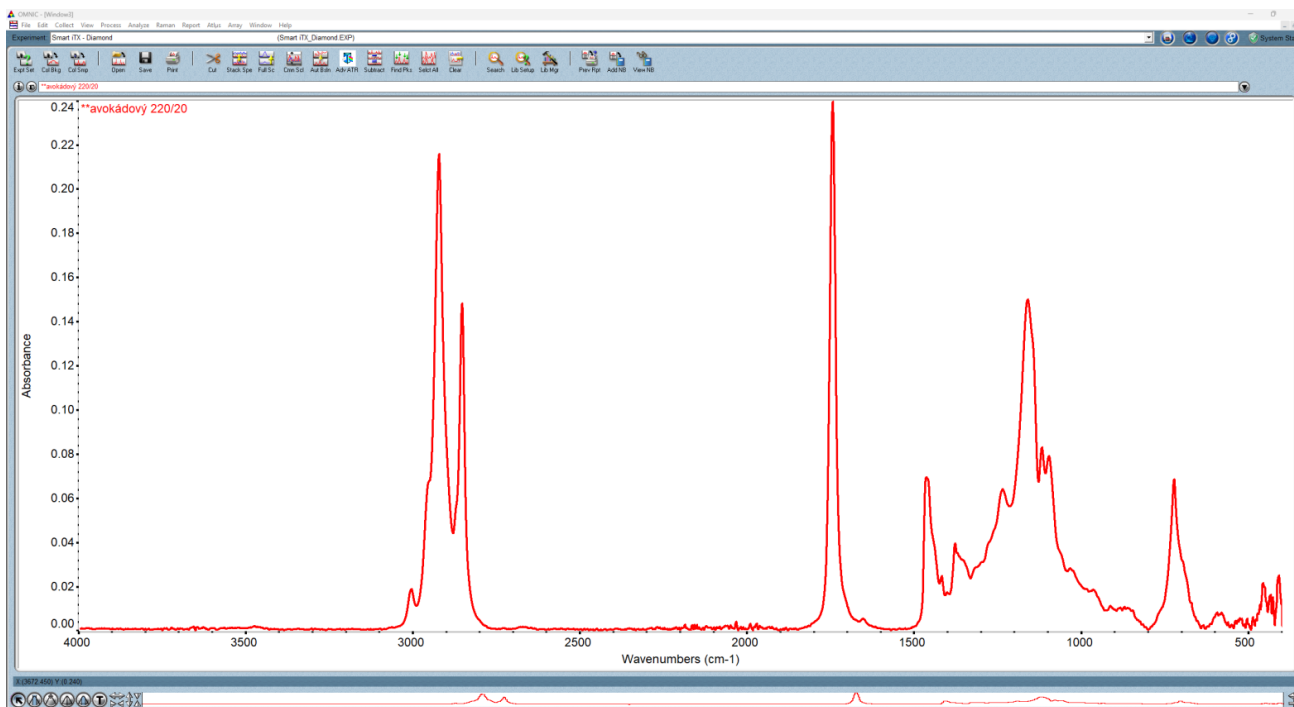
Data from FTIR Spectrometer (TU Liberec)

Deep Brain® Analysis



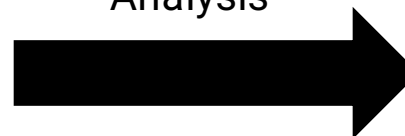
Andy Warhol (1964)

A bright day in my research life



Data from FTIR Spectrometer (TU Liberec)

Computational
Analysis

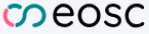


MDESIGN, LIU (2025)

Towards innovative and appreciated outputs



National Czech
Programme

 eossc

 app

Welcome to DDRapp

Application for data-driven research

Simplify your research process with DDRapp, a powerful web application designed to complement specialized solutions for conducting measurements.

DDRapp seamlessly integrates with other systems such as GaP or S3, automates data backups, and offers the ability to electronically export instrument logs.

Easily annotate your data with basic metadata about the measurement process using DDRapp.

Join us today and unlock the full potential of your research with DDRapp, enabling effortless data management and boosting your research productivity like never before.

Sign in with E-INFRA

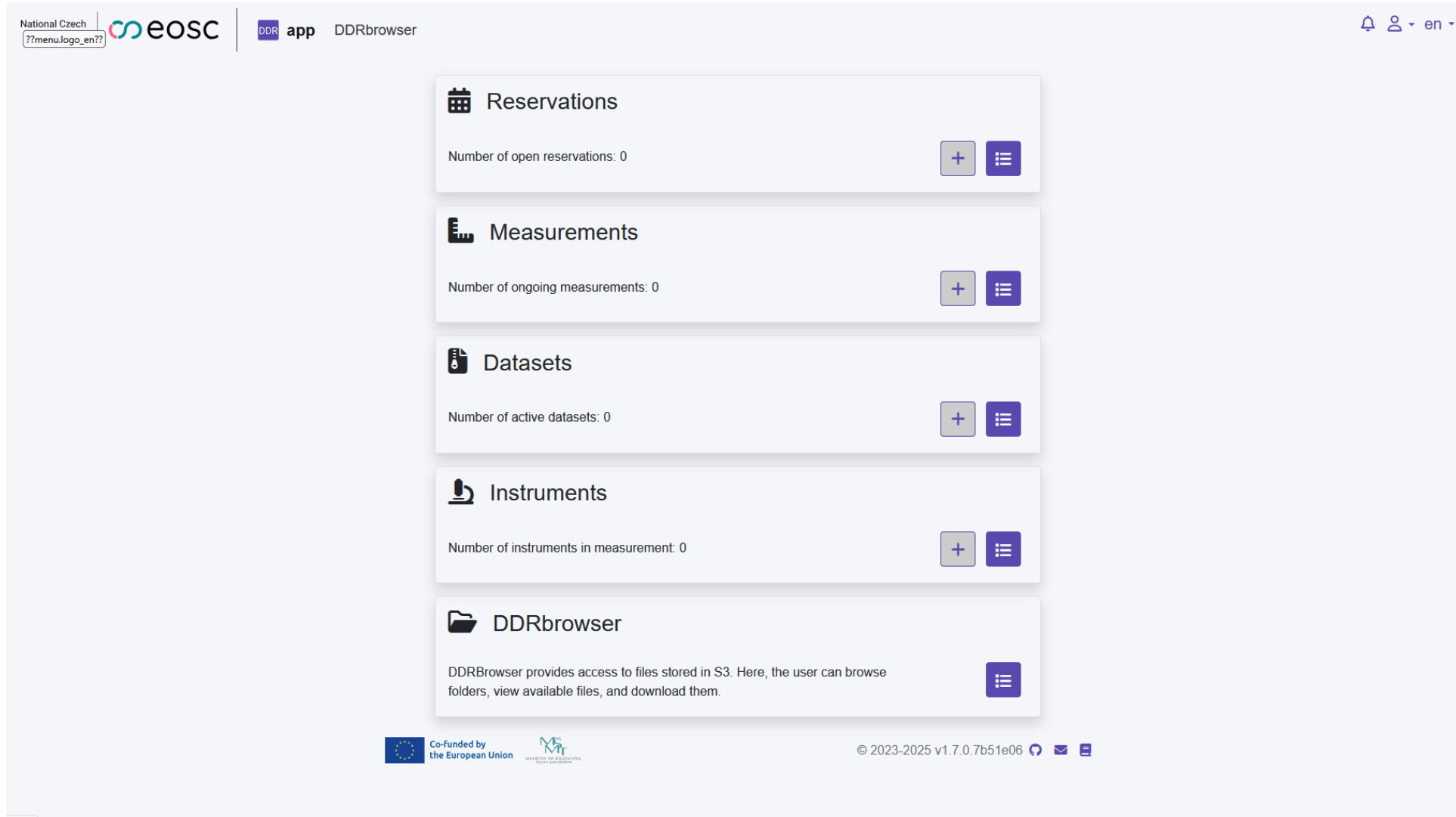
Sign in with Card

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YOUTH AND SPORTS

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Easy, eINFRA AAI, single-site login.



Simple UI to register measurement, collect data, process data

National Czech Programme eosc app Rezervace Měření Datasets DDRbrowser Přístroje Uživatelé

DDRbrowser

+ Nový zdroj + Nový dataset Hledat

Zdroje ^	Datasets	Soubory/Složky ^
20004-127-surri	GenericOMIDataset/	@DDP V4 t0.CSV
64928300-206-zakazka	test-femto/	@DDP V4 t0.SPA
8300-107-onch	Ftir-test-1/	DDP V4 t0.SPA
8410-107-omi		export.png

jakub.zach@tul.cz

Zobrazit profil

Odhlásit

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Data from FTIR Spectrometer (TU Liberec) shared in DDRbrowser – Anna is data producer/experimentalist

National Czech Programme eosc

DDR app Rezervace Měření Datasets DDRbrowser Přístroje Uživatelé

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Zobrazit profil
Odhlásit

DDRbrowser

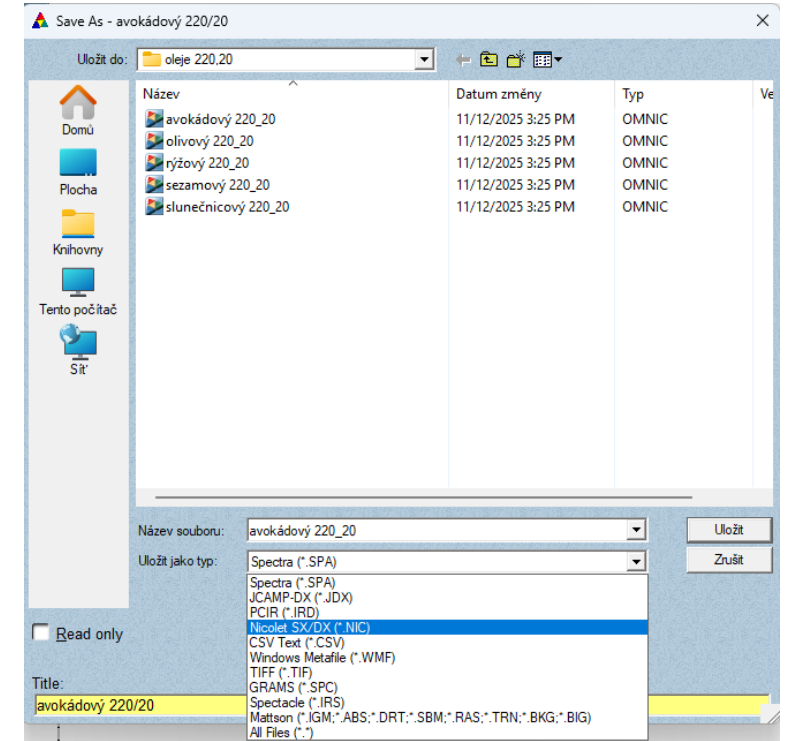
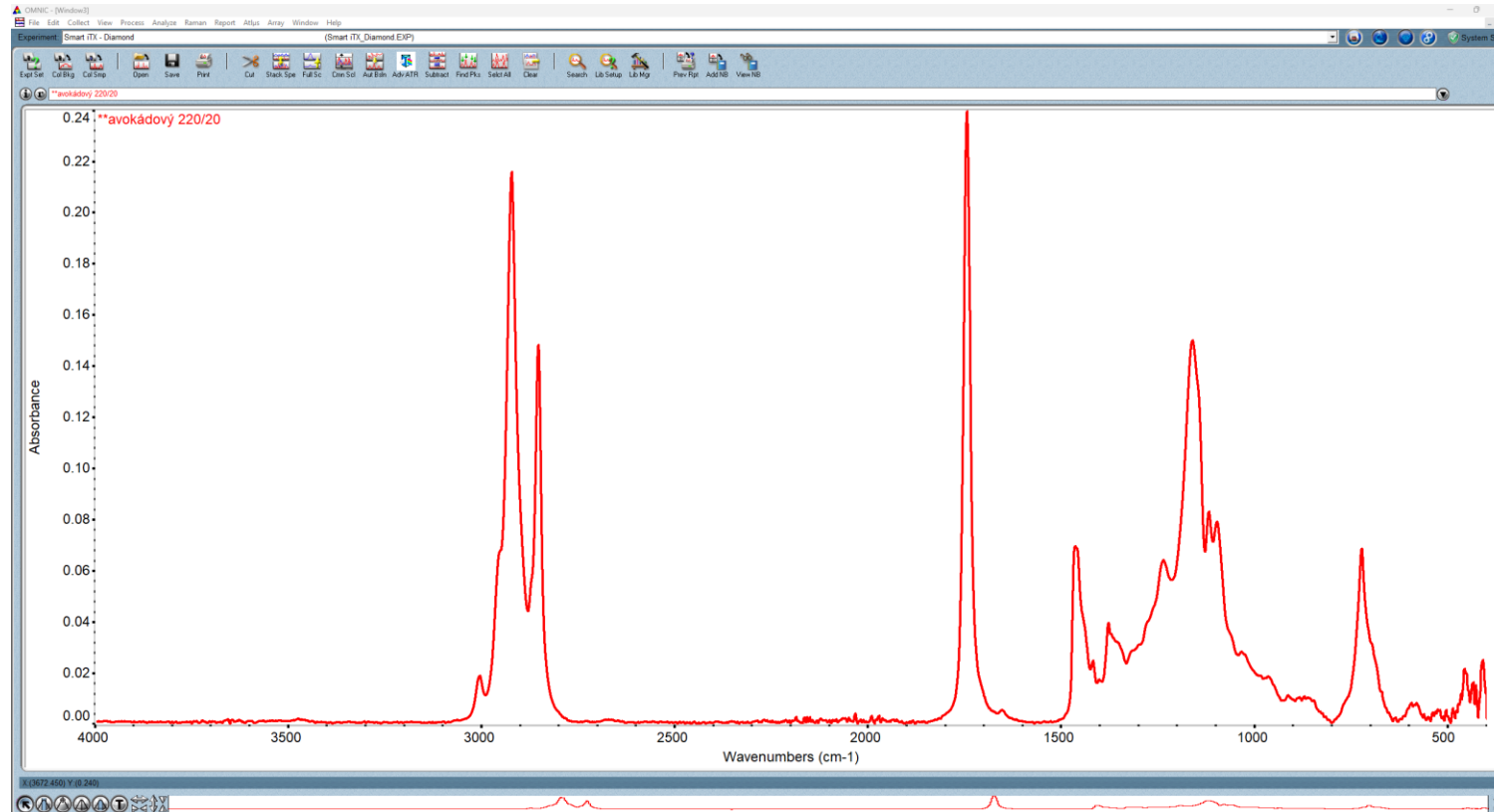
+ Nový zdroj + Nový dataset Hledat

Zdroje ^	Datasets	Soubory/Složky ^
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8330-107-oabi	GenericOMIDataset/	@DDP V4 t0.CSV
8410-107-omi		@DDP V4 t0.SPA
845084508450-117117-4cxi		DDP V4 t0.SPA
		export.png

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Data from FTIR Spectrometer (TU Liberec) shared in DDRbrowser – Anna is data analyst

Our use-case: FTIR spectrometer



Data processing, e.g.,
to csv or png format.

National Czech Programme eosc DDR app Rezervace Měření Datasets DDRbrowser Přístroje Uživatelé

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Zobrazit profil
Odhlásit

DDRbrowser

+ Nový zdroj + Nový dataset Hledat

Zdroje ^	Datasets	Soubory/Složky ^
8320-117-otzp	Gene	
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8410-107-omi		@DDP V4 t0.SPA
845084508450-117117-4cxi		DDP V4 t0.SPA
		export.png

Str 1 z 1 20

Data from FTIR Spectrometer (TU Liberec) shared in DDRbrowser – Anna is data analyst



Standard way to perform scientific experiments

- Slow
- Silos
- Administration-rich



DDR team's help

- Thinking
- Coding
- Testing
- Implementing



Today's science

- Automated data harvesting
- No paperwork
- Instant online data sharing
- Reliability

thank.you.for.your.attention

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