



# OSCARS

Open Science Clusters' Action  
for Research & Society

## Funded Project

# Advanced Materials Open Science Centre at the Precarpathian National University

Presenter: *Volodymyra Boichuk, Vasyl Stefanyk Carpathian National University [orcid.org/0000-0002-3870-1481](https://orcid.org/0000-0002-3870-1481)*

Implemented by



VASYL STEFANYK  
CARPATHIAN  
NATIONAL UNIVERSITY



Funded by  
the European Union



- ✓ *Standard metadata exchange has been configured and successfully tested within the repository infrastructure, enabling metadata interoperability and data harvesting. An application to join OpenAIRE has been submitted*
- ✓ *The PNU-NanoLab certification process is close to completion. All laboratory equipment has been certified and calibrated, staff have completed the required certified training, and a certification-completion agreement has been signed with the state-owned enterprise “Ivano-Frankivsk Scientific and Production Centre for Standardisation, Metrology and Certification”.*
- ✓ *In addition, detailed methodologies and experimental protocols - covering sample preparation, instrument settings, and data analysis - have been prepared and published. The protocols are publicly available via the DataSet repository to support transparency, reproducibility, and reusability*

What problems have you encountered so far?  
What have you done to resolve them?

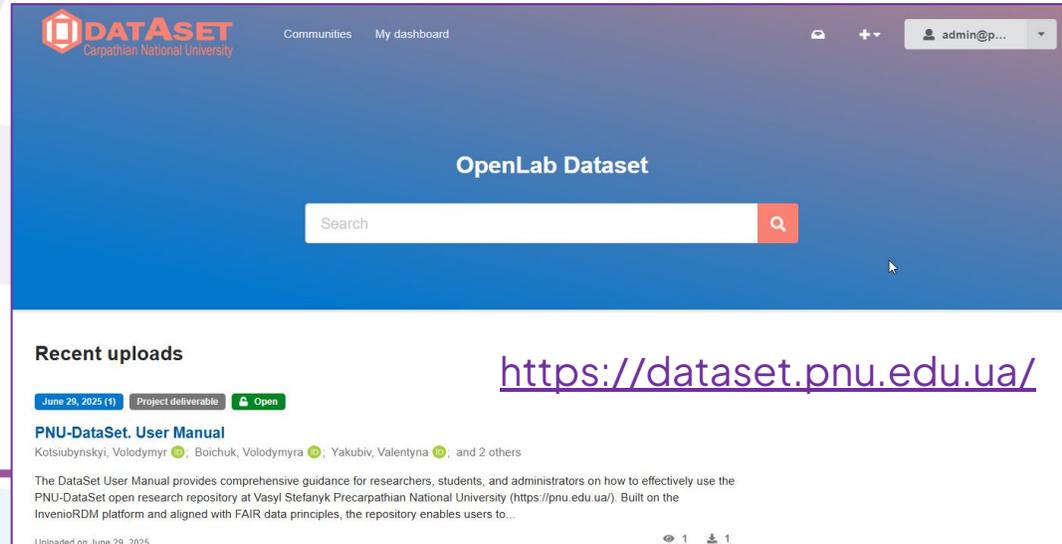
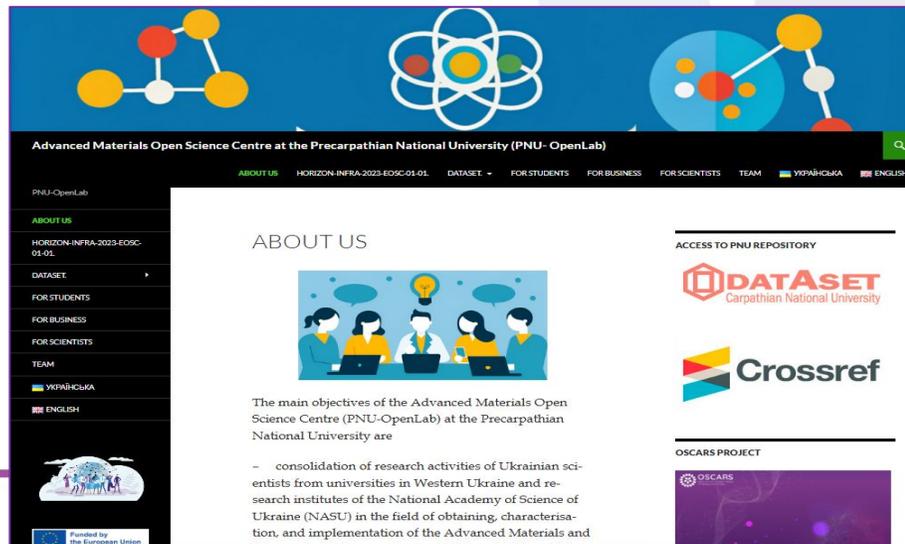
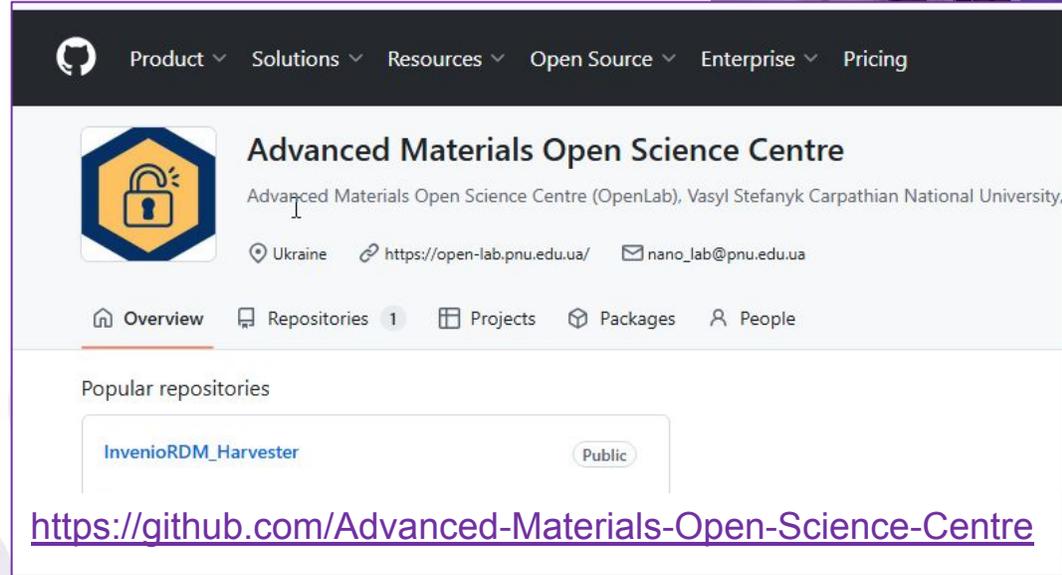
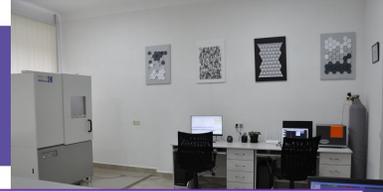
**blackout**



**uninterruptible power systems**



# RESULTS



- 118\* nSv/h
- $\gamma$ -Radiation
- 6 October 2025, 15:51
- Mount Pip Ivan (Chornohora Range)
- Zelenska Rural Hromada
- Online radiation monitoring using Radnote devices by Safecast and Blues Inc
- Data provided by: SaveDnipro & Safecast
- Installed with support of: Vasyl Stefanyk Precarpathian National University
- Summary of the last 24 hours
- 91 measurements
- Minimum: 101 nSv/h
- Maximum: 148 nSv/h

<https://open-lab.pnu.edu.ua/en/>

<https://dataset.pnu.edu.ua/>

- ✓ *Dissemination of PNU-OpenLab practice among the Ukrainian academic community;*
  - ✓ *Monitoring of the implementation of Open Science principles in PNU-OpenLab activities;*
  - ✓ *Comparative analysis of the evolution of assessment results of research and Ukrainian researchers according to the Open Science and FAIR principles using the CoARA system;*
  - ✓ *The preparation of a final summary and presentation of the project, as well as publication in a scientific journal or summary of the main results and methodology of the project*
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**VOLODYMYR  
KOTSIUBYNSKYI**  
Team manager

Professional skills: Knowledge of physics and material science. Expertise area: nanomaterials synthesis; XRD, XRF, Raman, nitrogen porosimetry, Mossbauer spectroscopy, data analysis.

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**VALENTYNA YAKUBIV**

Professional skills: economic theory, business economics, strategic management, event-management, coaching, time management

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**VOLODYMYRA  
BOICHUK**

Professional skills: Knowledge of physics and chemistry of solid state. Expertise area: carbon nanomaterials synthesis; XRD, XRF, data analysis.

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**LILIIA TUROVSKA**

Professional skills: Knowledge of physics and materials science. Areas of expertise: synthesis and characterisation of nanomaterials.

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**IRYNA HRYHORYK**  
Professional skills: time management, research and development management

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