#### **CREMLINPlus WP8.6:**

## Access to scientific data at Russian RI ICISTE, DESY, NUST MISIS, NRC KI

### Self-assessment questionnaire on access policy

21 January 2022

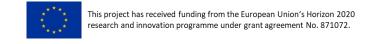






#### **QUESTIONNAIRE MAIN GOALS**

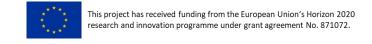
- 1. Determine the current state of a data lifecycle on Russian RI
  - Data ownership;
  - Data access;
  - Data processing;
  - Metadata access;
  - Publications policy;
- **2.** Learn the specific features and limitations of data lifecycle in Russian RI
  - Please report unavoidable data access restrictions on your RI
- **3.** Establish a baseline to work towards the objectives of Task 8.6
  - Develop harmonized data lifecycle approaches that are convenient for users and Russian RI.
  - Develop a common understanding on using the FAIR principles.
  - Finding ways for collaborations with EOSC and European H2020 projects (ESCAPE, PaNOSC).





#### **GENERAL RECOMMENDATIONS**

- 1. Have a Data Management Plan with defined strategy to
  - Data collection;
  - Data storage, structure and organization;
  - Data access;
  - Measures to preserve data integrity in case of technical failures;
- **2. FAIR Guiding Principles (https://www.go-fair.org/fair-principles/)** 
  - Findable. Metadata and data should be easy to find for both humans and computers.
  - Accessible. Once the user finds the required data, it is known how can they be accessed.
  - Interoperable. The data need to be integrated with other data. The data need to interoperate with applications or workflows for analysis, storage, and processing.
  - Reusable. To optimise the reuse of data, metadata and data should be well-described.
- **3.** Online access to the data and aim for open-access.





#### **Description of the data ownership policy**

- 1. Does your research infrastructure have a data ownership policy?
  - Yes/No;
- 2. Who owns raw data obtained during experiments on your research infrastructure?
  - Research Infrastructure;
  - Users
- 3. Who owns data produced during analysis of raw data obtained on your research infrastructure?
  - Research Infrastructure;
  - Users
- **4.** What obligations do users assume after completing an experiment on your research infrastructure?
  - Report;
  - Acknowledgements in publications;
  - Include RI staff as authors;
- ♦ 5. Does the data become publicly available as open access after a specified period after the experiment?
  - No;
  - Yes, immediately;
  - Yes, after embargo period;





#### **Description of the data proposal management**

- 1. Does your research infrastructure have a unified system for initiating, managing and tracking experimental proposals?
  - Yes;
  - No;
  - Other;
- **2.** How does your research infrastructure track publications based on experiment results?
  - Does not track: my research infrastructure does not track publications;
  - By users: users must register publications in the unified system;
  - Manually: publications are tracked manually by research infrastructure staff;



#### **Description of the data access policy**

- 1. Where is the experimental data stored on your research infrastructure?
  - Separately: experimental data are stored separately in storage systems of experimental stations;
  - Central storage system: experimental data are stored in a central storage system;
- 2. For how long are copies of the experimental data kept in storage systems in your research infrastructure?
  - No specified period: experimental data are removed when free space on the storage system runs out;
  - No specified period: experimental data are kept "forever";
  - For a specified period: experimental data are removed after a specified period;
- 3. What measures are taken to ensure the safety of experimental data in storage systems?
  - Multiple copies: several copies of the experimental data are saved on different storage systems;
  - Reliable storage systems are used that allow hardware failures without data loss;
- **4.** Do experimental datasets have unique and persistent identifiers?
  - Yes: experimental datasets have unique and persistent identifiers on my research infrastructure;
  - No: experimental datasets don't have unique and persistent identifiers on my research infrastructure;

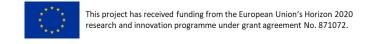






#### **Description of the data access policy**

- 5. How experimental data are transferred to users?
  - Portable storage: experimental data are copied to the user's portable storage after the experiment;
  - Temporary link: users download experimental data from a temporary online link;
  - Permanent link: experimental data are available for download at the permanent online link;
- 6. Whether other users can find and access experimental data?
  - No: only the experiment team has access to experimental data;
  - Cannot find but can access: users can download experimental data if they know the exact link;
  - Yes: experimental data can be found and downloaded from a public website;
- 7. What protocols are used to transfer experimental data?
  - FTP;
  - SSH/SFTP;
- **8.** What data formats are used to store experimental data? (Please provide a list)





#### **Description of the data processing policy**

- 1. Does your research infrastructure have standard processing workflows that apply to all experiment data?
  - No: there are no standard processing workflows on my research infrastructure;
  - Other (Yes): please briefly explain;
- 2. Does your infrastructure have automatic validation and integrity checks for experimental data?
  - No: there are no automatic validation and integrity checks on my research infrastructure;
  - Other (Yes): please briefly explain;
- 3. Are users given access to computing resources to analyze experimental data?
  - No: users analyze data on their own computing resources;
  - Yes: users are given access to computing resources for analysis;
  - Other (Yes, but with restrictions): please briefly explain;
- 4. If users are given access to computing resources to analyze experimental data, is the processed data managed/stored the same way as the experimental data?
  - No;
  - Other(Yes): please explain





#### **Description of the metadata policy**

- 1. How is metadata collected on my research infrastructure?
  - Manually: metadata values are collected and stored manually;
  - Automatically: metadata values are collected and stored automatically by the experiment management system;
- **2.** How is metadata stored on my research infrastructure?
  - Separate files: metadata is stored as separate files;
  - Database: metadata is stored in a dedicated database;
  - With data: metadata is stored along with data in the form of archives;
- 3. How is metadata transferred to users?
  - With data: metadata is transferred along with data;
  - Web: metadata can be found on a dedicated webpage;
- **4.** Does your research infrastructure use standard metadata schemas?
  - No;
  - Other(Yes): please briefly list used schemas;







# THANK YOU FOR YOUR ATTENTION

ICISTE, DESY, NUST MISIS, NRC KI

