What is coming for the European user offices?

European User Offices Meeting (EUOM) 14 June 2022

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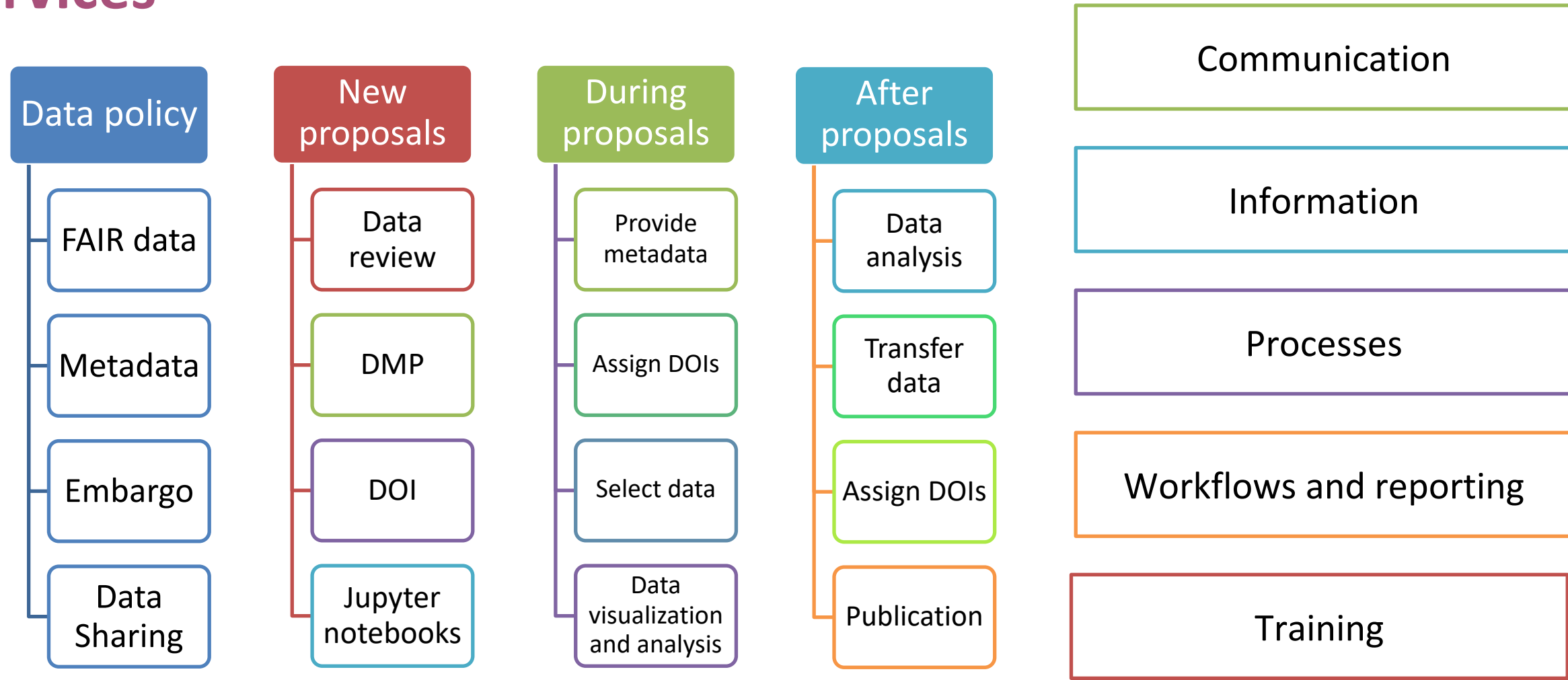# 10 Primary Outcomes of PaNOSC and ExPaNDS

1. **FAIR data policy** and **DMPs**
2. **FAIR assessment** and common **PID** framework
3. Standardised metadata (**Nexus/HDF5**, PaN ontologies)
4. **Federated search API** for PaN data catalogues
5. **Open Data portal** for searching + downloading data
6. Community **AAI UmbrellaId**
7. **JupyterLab notebooks** and **Nexus/HDF5** files visualisation
8. **Remote data analysis** with VISA + data analysis pipelines
9. **Simulation** software for simulating experimental data (SIMEX)
10. **PaN-learning** platform (pan-learning.org + pan-training.org)

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ExPaNDS
European Open Science Cloud Photon
and Neutron Data Services

Not only access to instruments but also to data and data services

Data policy	New proposals	During proposals	After proposals
FAIR data	Data review	Provide metadata	Data analysis
Metadata	DMP	Assign DOIs	Transfer data
Embargo	DOI	Select data	Assign DOIs
Data Sharing	Jupyter notebooks	Data visualization and analysis	Publication

Communication

Information

Processes

Workflows and reporting

Training

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Communication

- Website
- Communications to users before, during and after the beamtime
- Data policy available
- Any other important document available
- Training delivered before the BT (e.g. how to complete a DMP)

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Information

- Training to the user offices
- Referent person/s or services: whom to contact for the DMP, doubts about the Data policy, technical problems with AAI, how to make data public, how to access data under embargo, etc.
- What will AAI provide across facilities?
- What tools across facilities?
- How to deliver the information?

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Not only access to instruments but also to data and data services

Processes

Workflows and reporting

- How to insert the DMP in the proposal workflow, who will help to complete it?
- How to make data few stewards enough for everyone who needs them?
- Proposal evaluation: incorporating the DMP as an element in the feasibility
- Incorporating data in the proposal preparation (tools)
- Incorporating feedback on the behaviour of user regarding data
- Calls to access data and services? -> **a whole new world!**

Not only access to instruments but also to data and data services

Training

- Who will train the user offices, beamline scientists and anyone in contact with the users?
- Delivering training for users: how much will be on the users offices?
- Transferring data to HPC centers, or the users institution
- Making training visible, helping to use training to prepare proposals, analyse data during and after measurements, citing data properly, making it available, etc