AURORA

Open Science

Sharing and implementing Open Science practices

AURORA

unesco

"**Open Science** aims to

o make scientific knowledge openly available, accessible and reusable for everyone

o increase scientific collaborations and sharing of information for the benefits of science and society

o open the processes of scientific knowledge creation, evaluation and communication to societal actors beyond the traditional scientific community"

Quality and integrity

Equity, diversity, inclusion

Collective benefit

Open Science =

Transparency

Reproducibility

Collective Benefit

Collaboration

Equity

AURORA Scope

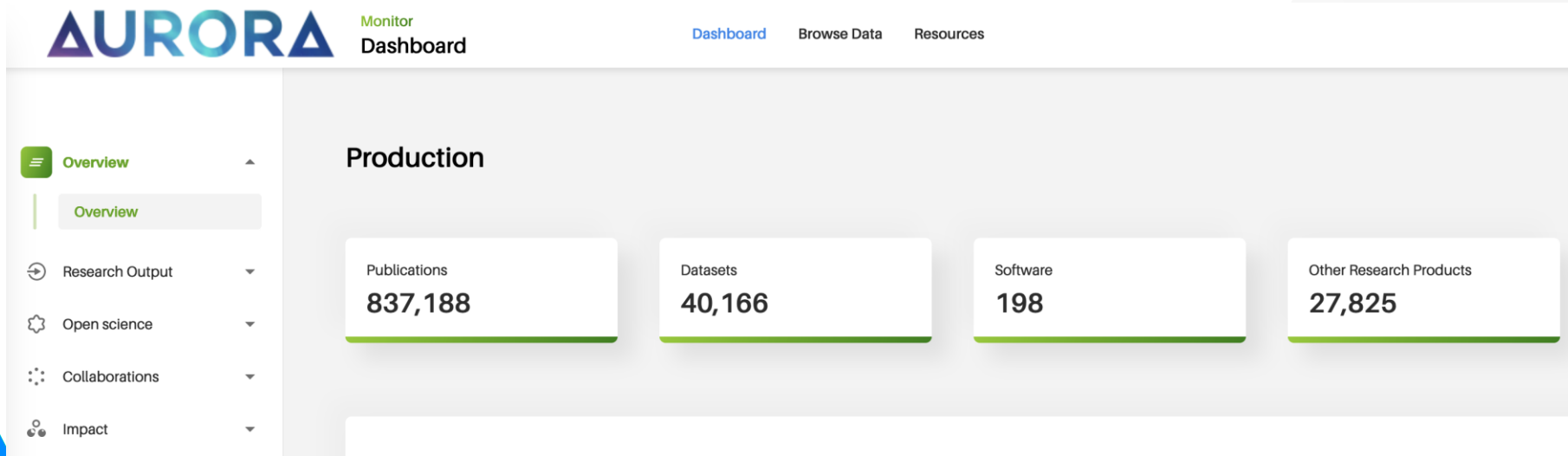| FAIR & RESPONSIBLE RESEARCH	PUBLIC ENGAGEMENT & IMPACT	FAIR & OPEN EDUCATION
(Open Access) Publications	Valorisation	(Open) Educational Resources
(FAIR) Data & Software	Science Communication	(Open) Educational Formats
(Open) Research Process	Citizen Science	(Open) Pedagogy
(Open) Evaluation		
(Open) Hardware		
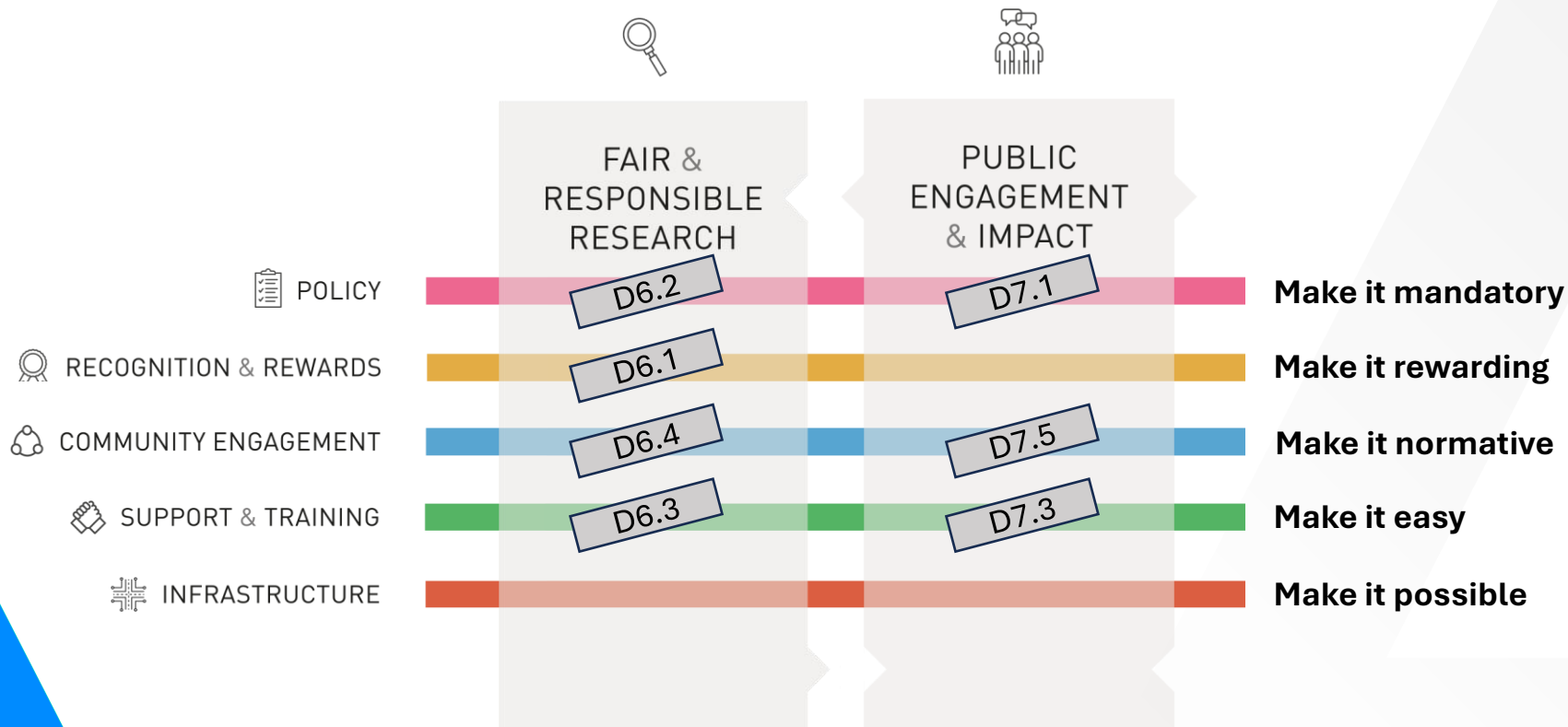
AURORA **D6.1 – Open Science monitor**

OpenAIRE

Original plan: Adding an Open Science function to the Aurora SDG Dashboard
Deliverable beyond plan: Aurora Open Science Monitor, in collaboration with OpenAIRE

Aurora Open Science Monitor   https://monitor.openaire.eu/dashboard/aurora
Deliverable 6.1 report   https://zenodo.org/record/7784727

AURORA   D6.2 – Open Science knowledge base

Survey on relevant resources, tools, policies and practices at Aurora universities

We recommend that Aurora universities:
- **Signal their commitment to Open Science** by incorporating its principles and practices in stimulating policies, implementation, dedicated funding and support.
- **Embrace transparent research evaluation practices** (e.g. DORA, CoARA) and avoid inappropriate use of metrics to incentivize good research practices.
- **Foster grass-roots Open Science communities** to make transparency normative.
- **Integrate Open Science skills development** in the institutional strategies for professional competence development and lifelong learning
- **Encourage the creation and usage of infrastructures** to make the entire research cycle open and transparent, and research outputs interoperable and reusable. These infrastructures should be based on open-source software; widely used in international scientific communities; able to record persistent identifiers like ORCIDs, DOIs, NBNs, etc.; and be compliant with open standards and protocols.

Aurora Open Science Knowledge Base
Deliverable 6.2 report   https://zenodo.org/records/10225598

AURORA **D6.3 – Open Science training modules**

Training modules for Aurora PhD candidates, focused on practical Open Science skills between Nov 2023-April 2024:

o Learning basic software and data skills (shell, git, intro to Python/ R) via the Carpentries

o Learning advanced software and data skill training via Coderefinery

o Using DMPonline/ Data Stewardship Wizard for data management planning

o Using the Open Science Framework (OSF) for research management

o Using OpenAIRE tools, such as Amnesia for data anonymization and Zenodo as a publication platform

Aurora Open Science Training
Deliverable 6.3 report   https://zenodo.org/records/10225578

D6.4 – Open Science communities

6 of the 9 Aurora partners have started establishing their local Open Science Communities

Pilots with low-threshold communication platforms to connect to each other

"bottom-up learning communities of researchers and students for learning and sharing about Open Science"

Aurora Open Science Training Deliverable 6.4 report (forthcoming)

https://osc-international.com/start-your-own-osc/

AURORA D6.4 – OSC Incubator programme with INOSC

"In this online incubator program, offered twice per year, we will assist up to 10 participants from around the globe in setting-up their local Open Science Community.

The incubator program is a 16-week online program, based on the OSC Starter Kit, and consists of six modules:

1. Community Identity
2. Community Engagement
3. Communication Strategy
4. Stakeholder Engagement
5. Governance and Sustainability
6. Open!

We are able to offer the OSC Incubator Program and free of charge, thanks to support from the EU funded projects AURORA RI and Skills4EOSC."
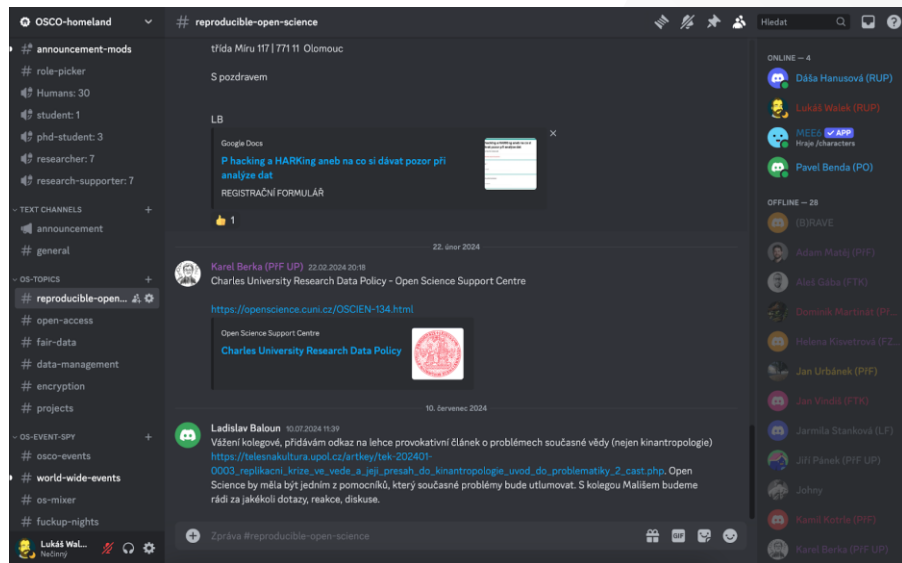

INOSC
International Network of Open Science & Scholarship Communities

18 countries   36 communities   2300+ members

https://osc-international.com/start-your-own-osc/

Discord as platform for communication
o multiple channels dedicated to different topics
o supports various forms of communication, including text chat, voice calls, and live streams
o Provides features like role picking (e.g., PhD student, research supporter), gamification, or using bots