Best practices in adoption of the FAIR principles
Lessons learned from the FAIR IMPACT project

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Agenda

1. Lessons learned from the FAIR – IMPACT project
2. Our approach to a cultural organizational change

- Our Message to the research community

- Challenges

- Actions implemented and future plans

Lessons learned from the FAIR – IMPACT project

We met a community

We understood the FAIR principles and we started to implement them

We received support through a dedicated mentorship team

Lessons learned from the FAIR – IMPACT project

We created our University OS policy and the Repository Policy

FAIR-enabling Data Policy Checklist[1]

The FAIRsFAIR landscape assessment[2] found that data policies that are clear and easy to understand can positively influence researchers in making their data FAIR. This checklist is based on FAIRsFAIR's policy enhancement recommendations[3] and will help users assess whether specific elements of their data policies are FAIR-enabling as well as providing recommendations for good practice.

The checklist is broken into three sections each dealing with a different aspect of the policy. These include:

- **Context** of the policy such as the title and the year the policy came into effect
- **Content** of the policy focusing on suggested and required aspects of RDM and data sharing
- **Support** for adhering with the policy and **compliance** monitoring

The cultural change

Open Science stands for promoting access to research and maximizing research results.

It is realized through a policy of open access to scientific publications and research data.

Open Science
- is a system change,
- which leads to better scientific results
- in open and collaborative ways,
- of producing and sharing: knowledge, data and results,
- as early as possible
- in the research process

(ec_rtd_factsheet-open-science_2019.pdf (europa.eu).

The cultural change
Our Challenges (a selection):

The medical area particularities:

- ✓ Long history of misconceptions about 'data possession'
- ✓ Medical data/patient data/sensitive data
- ✓ Financial challenge – the cost and the rapid obsolescence of the technology

The cultural change
Our Challenges (a selection):

Examples for proposed solutions:

- Develop clear institutional policies on data sharing and make as much data openly accessible as possible, while protecting patient privacy (e.g., using de-identified data).

(Example: Publish de-identified clinical datasets through open access repositories, complying with legal frameworks like GDPR and HIPAA)

- Secure access through controlled authentication systems

- Establish data sharing agreements with external researchers, requiring appropriate ethical approvals and patient consent for secondary data use.

(Example: Use data-sharing platforms that allow users to request access to certain datasets through a formal process, such as **European Genome-phenome Archive (EGA)** for genomic data)

The message to our researchers

Benefits for the University researchers:

- ✓ Increased access to more data
- ✓ Increased national and European visibility
- ✓ Increased number of citations
- ✓ Increasing the use of research results in the medical and interdisciplinary fields
- ✓ Transfer of research results into the medical field with the direct aim of improving patients' quality of life
- ✓ Increasing the impact of their research in the medical and academic spheres
- ✓ Establishing a permanent link between various medical specialties and research, which through complex analysis and integrated perspectives provide excellent results - interdisciplinary approach
- ✓ Access to European funding programs - the Open Science approach is already mandatory in the Horizon research framework program (except ERC calls)

The message to our researchers

An efficient open access policy will lead to the following benefits for UMFCD:

- ✓ Collection and storage of data and research results obtained for analysis and sharing
- ✓ The possibility to index and track the institution's scientific publications through search engines (e.g. Google)
- ✓ Monitoring the number of visits and use/collection of data and indicators for use in institutional planning and search for funding resources
- ✓ Providing opportunities to use and reuse the institution's outputs for scientific purposes (CVs, publications, excellence reports, projects, indicators, institutional and personal websites)
- ✓ Strengthening and developing UMFCD's international communication and collaboration channels
- ✓ Creating and recognizing the international profile of UMFCD.

Our actions

✓**OS Policy –** to be approved by the Administration Council

✓**Repository Policy** - to be approved by the Administration Council

Our actions

✓**Publish not Perish Programme**

Financial support for the dissemination of results obtained from the excellent research activities, through their publication in prestigious open access journals.

https://umfcd.ro/cercetare-si-dezvoltare/programe-de-sprijinire-a-cercetarii/programul-publish-not-perish/

✓Promoting open access to research infrastructure and services on the ERRTIS platform

http://eertis.eu/

Our actions – Training and Data Stewardship

Universitatea de Medicina si Farmacie 'Carol Davila'

16 Aprilie 2024

Workshop introductiv despre Depozitele de Date si Datele Deschise (Open Science)

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✓ **Scientific Community engagement** through:

- Workshops

- Presentations

- 'Word of mouth'

AGENDA

1. **Introduction to FAIR Impact Projects** – 10' (Conf Elena Poenaru)
2. **Principles of Open Science** and current status of its development at european and national level and within UMFCD – 20' (Dr Brandusa Bitel /Dr Dimitri Apostol)
   - Defining Open Science
   - Fundamental principles and practices
   - Importance and benefits of Open Science
3. **FAIR Data and FAIR Repository** - 20' (Conf Elena Poenaru):
   - Data sharing benefits and concerns. The need for good practice. FAIR Data contribution in Projects and Publication.
   - About Research Data Management and how we can raise awareness https://fair-impact.eu/events/fair-implementation-workshops/engaging-researchers-fairness
4. **The Hidden Part of the Data Policy** (Calin Poenaru) – 20' TBC
   - Standards
   - Interoperability
   - Data repositories
     - ✓ Repository types
     - ✓ File formats
     - ✓ Data curation
   - Long & short term data storage challenges
5. **Towards FAIR data in biomedical field** - perceptions and opinions of stakeholders - 20' (Monica)
   Practical Implementation of FAIR Principles for PhD Students and Early-Stage Researchers - 20' (Dimitri)
   - Selecting the Right Data Repositories
   - Practical Tips for Using Repositories
   - Biomedical data repositories
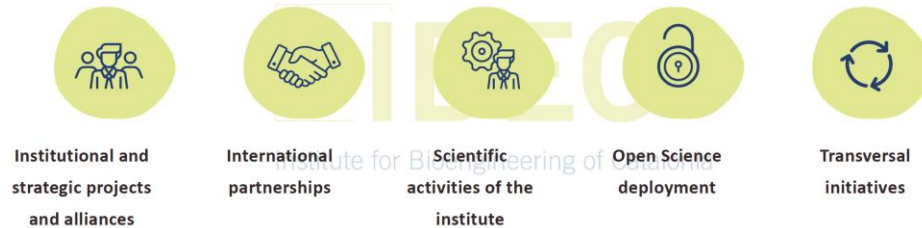6. **Q&A and Closure** – 10'- 20'
   questionnaire
   discussion

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Our actions – Training and Data Stewardship

✓ Awareness about the Open Science and FAIR principles in each and every event/workshop

Strategic Initiatives Unit

IBEC
Institute for Bioengineering of Catalonia

Institutional and strategic projects and alliances

International partnerships

Scientific activities of the institute

Open Science deployment

Transversal initiatives

'O Ora cu Cercetarea'

University of Medicine and Pharmacy "Carol Davila" Bucharest
Bruxelles Office

Noutati despre liniile de finantare europene dedicate cercetarii – 2023/2024

Dr Brandusa Bitel
Director Adjunct Directia de Cercetare, Dezvoltare, Inovare
Reprezentant al UMFCD la Bruxelles

Inițiativa își propune să informeze lunar mediul academic al UMFCD despre ceea ce se întâmplă la Bruxelles și despre ultimele noutăți în materie de programe de finanțare, prin intermediul unor întâlniri interactive, cu invitați de marca.

Evenimentele evidențiază oportunitățile viitoare pe care diferitele inițiative de la Bruxelles le oferă cercetătorilor din cadrul Universitatii.

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Our planned actions
Communicationn and Dissemination activities

- ✓ Scientific Community engagement
- ✓ Social media communications – through the UMFCD Facebook and Linkedin channels
- ✓ Task force to guide the research groups about the FAIR principles implementation in the research projects
- ✓ Citizen science actions – with the patients association
- ✓ Scientific Publications – articles and posters/presentations at congresses

Thank you!

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