

# OPERAS Advocacy Workshop: Libraries supporting Open Science

8th June 2021

Supporting Open Science practices and policies  
from the library

Ignasi Labastida i Juan  
CRAI Universitat de Barcelona



# About the University of Barcelona

The oldest and largest university in Catalonia

Several campuses around the metropolitan area

Multidisciplinary university with 16 faculties

Around 60.000 students and 5.000 researchers

Member of the LERU since 2010

Partner of the European University alliance CHARM-EU and its research arm, TORCH (Transforming Open Responsible Research and Innovation through CHARM)



UNIVERSITAT DE  
BARCELONA

# About the Library (CRAI) University of Barcelona

The library became the Learning and Research Resources Centre (CRAI) in 2004

16 libraries, two of them heritage libraries and 7 technical units

Around 240 staff members

Members of LIBER, REBIUN and CSUC

First Catalan university library structure to obtain EFQM 500+ European Seal of Excellence.

From the current strategic plan:

*Strategic Goal 1.4: Give support to the Open Science Principles*

**CRAI**

Centre de Recursos per a  
l'Aprenentatge i la Investigació

# Our beginnings towards the current situation

2004 the library becomes the CRAI

2005 the library incorporates two support units: Teaching and Research, together with the Office for the Dissemination of Knowledge

2006 Dipòsit Digital, the institutional repository, opens with a collection of educational resources, all with a DOI and a CC license

2008 first research papers in the repository

2010 Connection with the CRIS and the repository

2011 First institutional open access policy

# Weaknesses and strengths

## Weakness

- Library is not always seen as a research partner
- Unstable staff at the libraries
- Not enough open science skills among staff
- Traditionally, university services do not collaborate enough
- Hidden library services in the institutional website
- Not well represented in the university government

# Weaknesses and strengths

## Strengths

- Library is always seen as a place to find an answer
- Staff willing to learn new things
- Local and international networks
- A long history of giving support to researchers providing resources
- Representation in all the campuses
- Experience in training

# Our commitments

- To provide support to researchers facilitating their work
- To have research support staff in all the 14 campus libraries
- To collaborate with all the units that give research support in any manner
- To become a key partner for research policies
- To strength national and international collaborations
- To train researchers, staff and students
- To be part of the cultural change

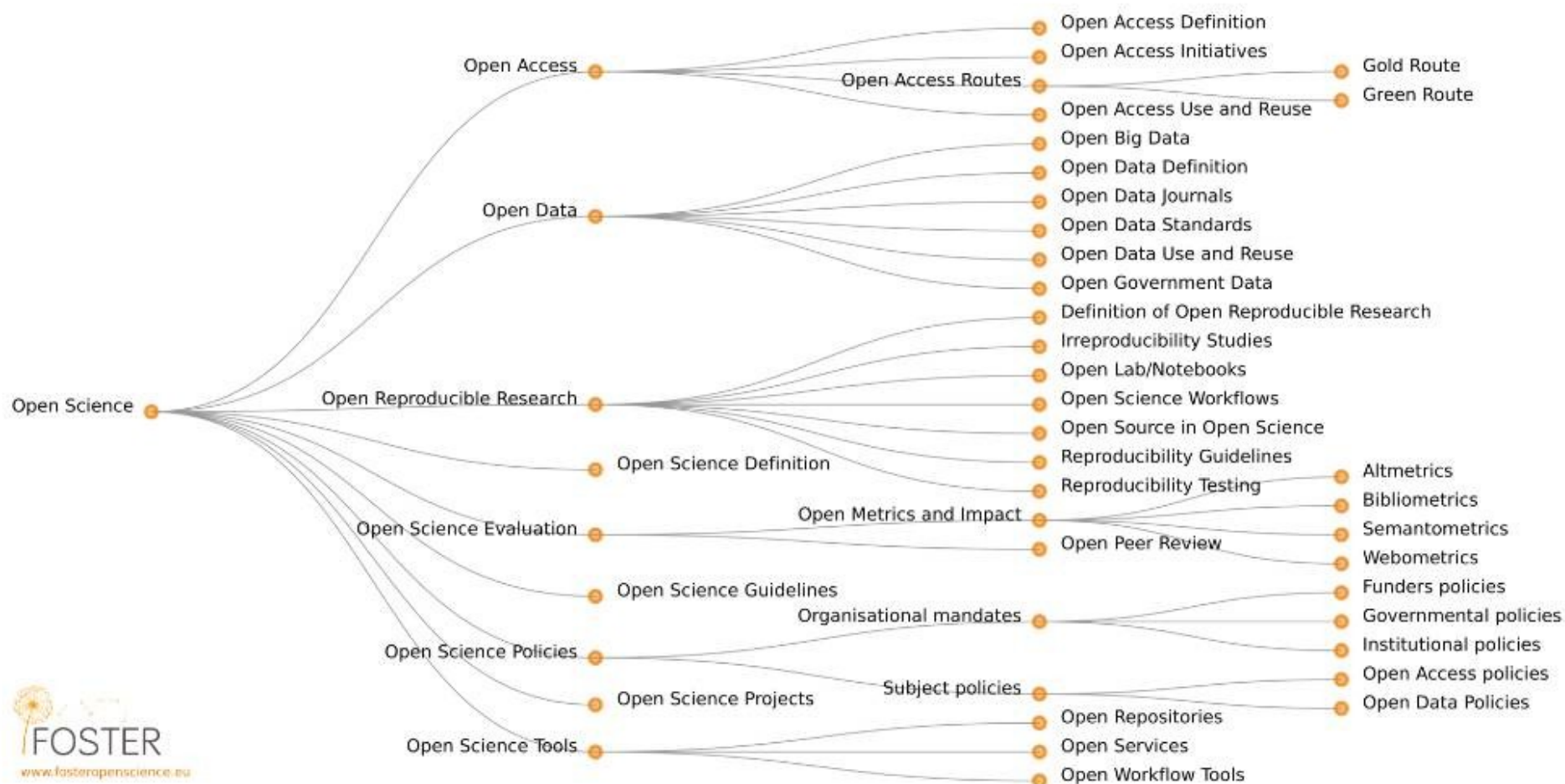
# With the help of guidelines, roadmaps,...





# Open Science is complex and global

## Open Science Taxonomy



# Future of Scholarly Communication

Consolidation of the institutional repository and its research collection

Update of the institutional policy in 2019 towards a mandatory archive for internal evaluation

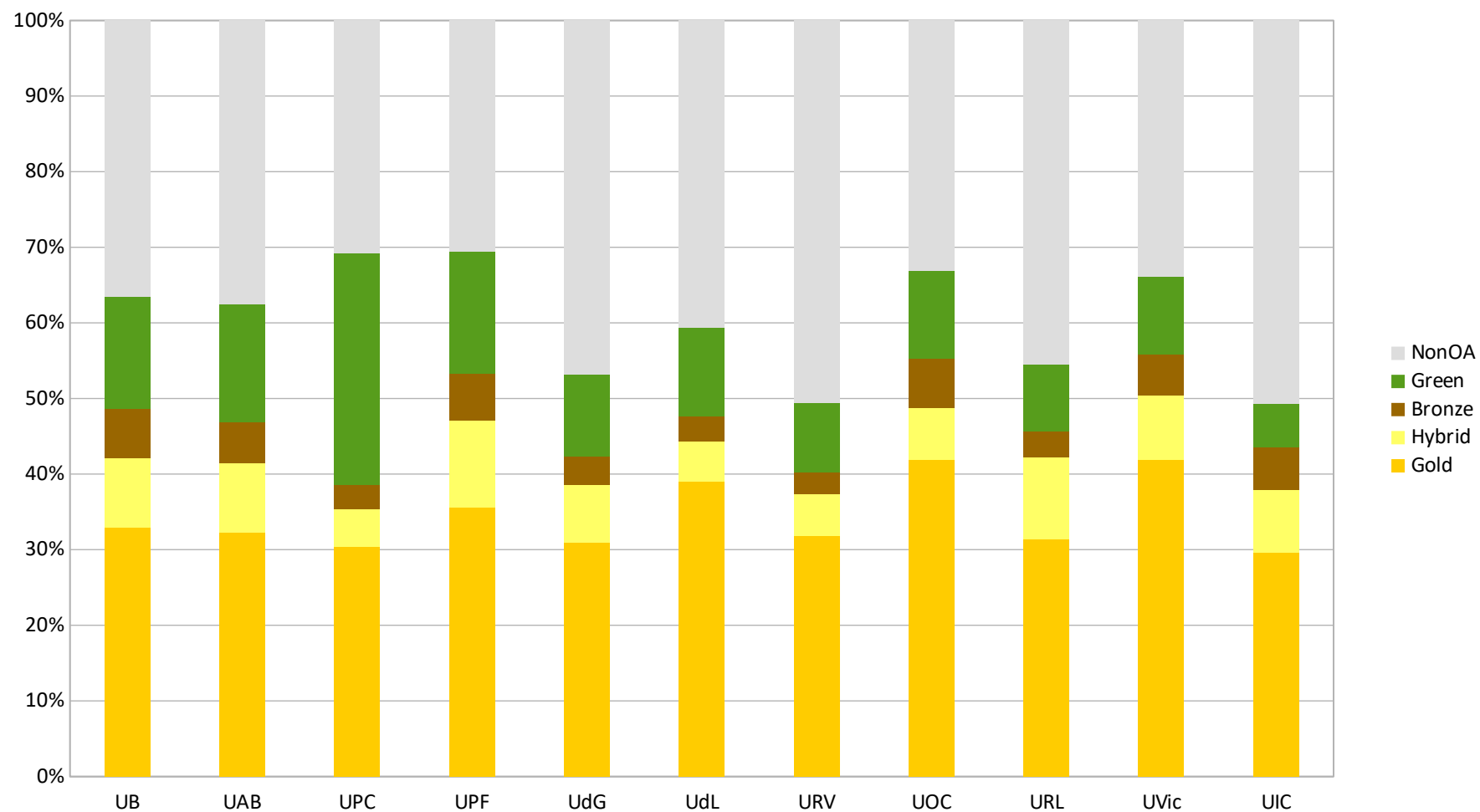
Implementation of an open access indicator for faculties

Transformative agreements in place since 2021

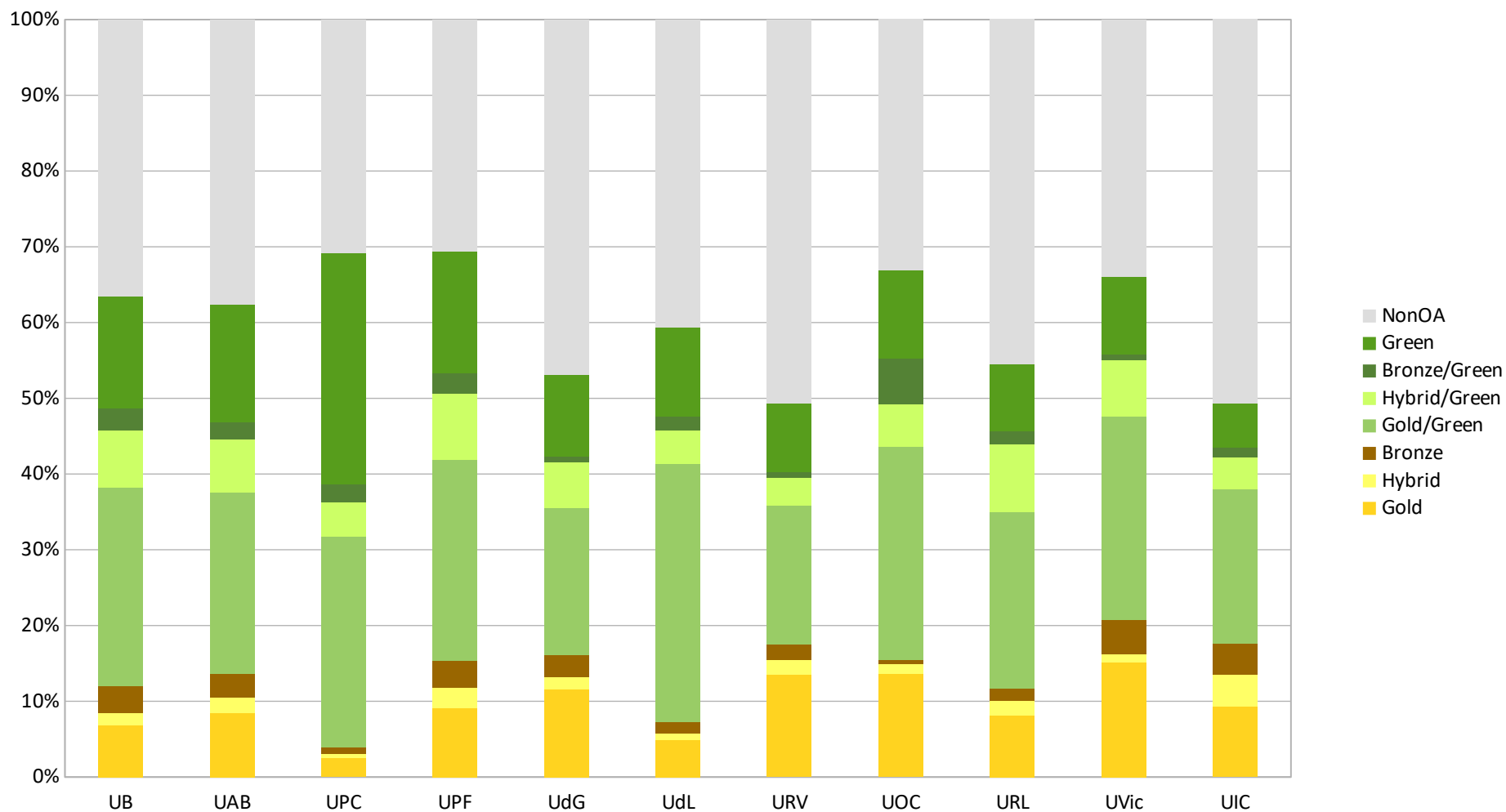
Partnership with university press to open collections and include them in DOAB

New regulation on institutional journals including open access requirement

# Case 1: Monitoring OA



# Case 1: Monitoring OA



# Research data

Migration of research data from the institutional repository to a Catalan Data Repository (CDR)

Collaboration with universities and research centers to build and develop the CDR

Research Data Management Institutional policy in 2019

Training sessions on RDM to PhD students

Development of a DMP template for PhD students

# Case 2: supporting RDM

The screenshot displays the DataverseCAT web interface. At the top, there's a navigation bar with the Dataverse logo, a search bar, and links for User Guide, Support, Sign Up, and Log In. Below the navigation bar, the main heading reads 'Repositori de dades de recerca'. A secondary bar shows '91 Downloads' and 'Contact'/'Share' links. A row of institutional logos follows, including Universitat de Barcelona, UNB, Universitat Politècnica de Catalunya, upf, Universitat Pompeu Fabra, and Universitat de Girona. A search bar with 'Find' and 'Advanced Search' buttons is present. On the left, a sidebar filters results by 'Dataverses (17)', 'Datasets (2)', and 'Files (26)', along with categories like 'Organization or Institution (11)' and 'Publication Year'. The main content area shows '1 to 10 of 19 Results'. The first result is from 'Institut de Recerca i Tecnologia Agroalimentàries (IRTA)' dated 'Dec 2, 2020'. The second result is 'BESDUI: A Benchmark for End User Structured Data User Interfaces' by García, Roberto, Gil, Roca, Gimeno, Juan Manuel, Bakke, Erik, Karger, David R., dated 'Nov 23, 2020 - Universitat de Lleida'. The third result is 'Indicadores de cumplimiento del Plan S en revistas de Ciencias Sociales' dated 'Nov 18, 2020'.

**eiNa DMP**  
Pla de Gestió de Dades de Recerca

# Leadership

Establishment of an Open Science Committee in 2018 led by vicerectors from the Research Area and proposed by the CRAI (Library)

Participation of a mix of vicerectors, heads of units, deans and researchers

New rector, new committee. Renewal of the Open Science Committee, now led by the rector's delegate on Open Science

Participation of more researchers from several disciplines

# Other collaborations

Collaboration in citizen science projects

Participation in ethics committee

Review of the new research integrity code



# Challenges in the library

Consolidate the research support from the library

Consolidate the internal collaborations

Acquisition of open science skills

Exploring new ways of publishing

Support open science infrastructures

# And broader challenges

Engaging researchers in the change

Are transformative agreements the solution?

Making data FAIR and as open as possible

Balancing privacy, ethics and openness in relation to data

Participation in the development of EOSC

Changing research assessments and evaluation

Engaging citizens in the full cycle of research

Supporting collective infrastructures ruled by the community

# Thanks

Ignasi Labastida i Juan  
CRAI Universitat de Barcelona

ilabastida@ub.edu  
@ignasi  
<http://www.ub.edu/odc>