



# EU-KOREA WEBINAR ON THE OPEN SCIENCE POLICY AND PRACTICE

**1 DECEMBER 2020**

## SCIENCE EUROPE AND OPEN SCIENCE

**Dr. Lidia Borrell-Damián**

**Secretary General**

**Science Europe**

37 Member Organisations in 27 countries

# SCIENCE EUROPE

## Map of Science Europe Member Organisations

01 FWF Der Wissenschaftsbund	02 fnfs Forschungsnetzwerk für Neurobiologie	03 fwo Forschungsinstitut Wissenschaften	04
05 HRZZ Hrvatski Republički Znanstveni i Istraživački Većnik	06 GAČR GAMBRUS ACADEMY OF SCIENCE AND TECHNOLOGY RESEARCH FOUNDATION	07 INDEPENDENT RESEARCH FUND DENMARK	08
09	10 ACADEMY OF FINLAND	11 ANR ANR AGENCE NATIONALE RECHERCHE SCIENTIFIQUE	12 DFG Deutsche Forschungsgemeinschaft
13 Leibniz Leibniz Wissenschaften Leipzig	14 MAX PLANCK Gesellschaft Leipzig	15 rannis RANNIS RESEARCH COUNCIL OF NORWAY	16 HRB Health Research Board
17	18 SFI Science Foundation Finland	19 INFN Istituto Nazionale di Fisica Nucleare	20 LZP Leibniz Zentrum für Partikel Physik
21 Lietuvos mokslų taryba	22	23	24
25 FNP Foundation for Polish Science	26	27	28
29	30	31	32 CSIC CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS
33 FORTE Fondazione di Ricerca Tecnologica	34 FORMAS Fondazione di Ricerca Matematica e Fisica Avanzata	35	36
37	RESEARCH FUNDING ORGANISATION RESEARCH PERFORMING ORGANISATION		



European association representing the interests of major public research performing (RPOs) and research funding organisations (RFOs) that foster excellent, ground-breaking research in Europe.

Science Europe advocates science and the scientific community to help build the European Research Area and shape the global scientific agenda.

# OPEN SCIENCE

- Open Science is making research and research outputs accessible for other researchers as well as for society.

Transparent and  
accessible knowledge

Collaborative  
approach

Sharing research  
outputs

Open standards and  
processes

- Open Science aims to increase the efficiency and reproducibility of science, making science more reliable and responsive to societal challenges.

# WHAT DOES SCIENCE EUROPE DO TO PROMOTE OPEN SCIENCE?

- Science Europe is committed to fostering Open Science.
- Many of Science Europe priorities contribute to Open Science, such as:
  - Open Access to research publications
  - Data sharing and research data management
  - Research assessment

# OPEN ACCESS TO RESEARCH PUBLICATIONS

- Science Europe Member Organisations are all committed to ensuring that the results of publicly funded research are freely available.

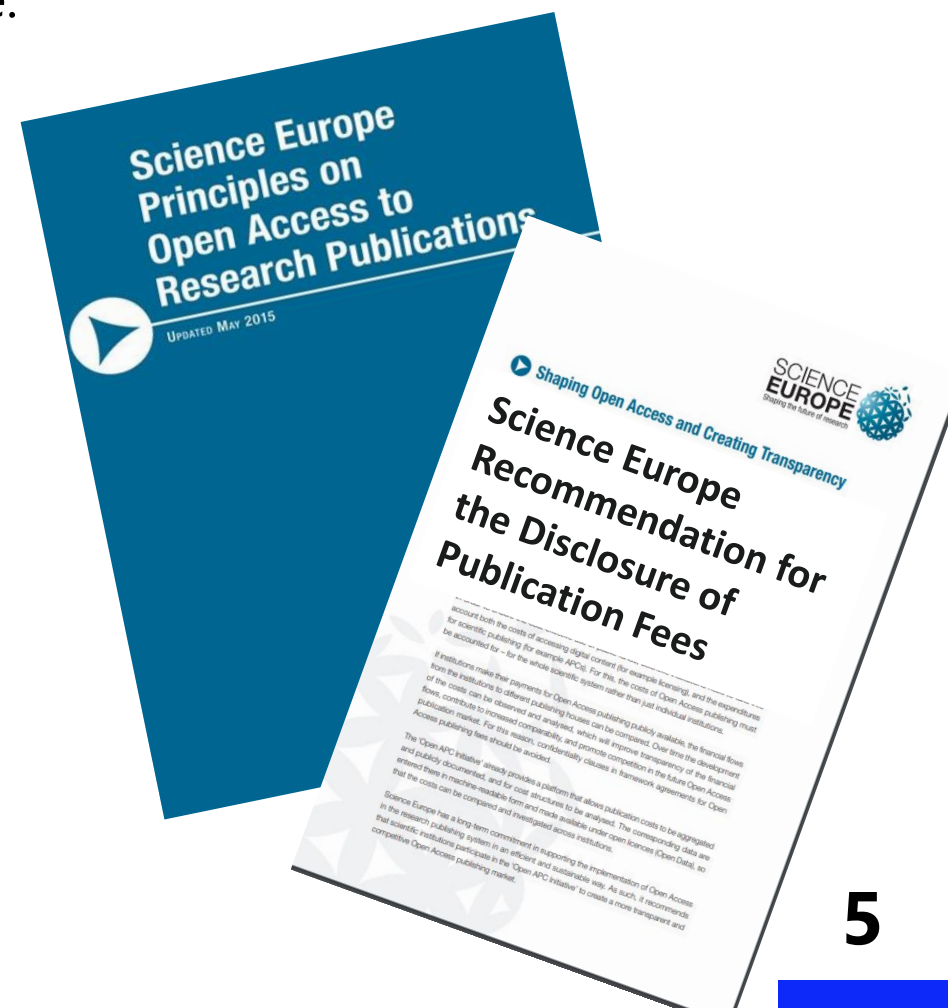
Common principles towards OA

Development of OA policies within SE Member Organisations  
(OA mandate for funded/affiliated researchers)

Advocacy towards OA

Exchange of best practices on policies and tools supporting OA

Joining forces with other stakeholders working towards OA and  
with the European Commission



# RESEARCH DATA MANAGEMENT

- Sharing and re-use of research data are essential to verify research findings and foster new research
- Science Europe promotes data sharing by:



**Promoting the alignment of research data management policies and practices across research stakeholders in Europe**

**Supporting researchers with clear guidance on how to plan the management of their data from the very beginning and throughout the research process**

**Providing guidance to reviewers of data management plans and institutional data stewards**

# EUROPEAN OPEN SCIENCE CLOUD

- European Open Science Cloud (EOSC):
  - an initiative started by the European Commission and developed together with research stakeholders
  - Aims at federating existing and future research data infrastructures to allow seamless access to data for researchers, promoting research data to be FAIR (findable, accessible, interoperable and re-usable)
- Science Europe has been involved in EOSC's development from the early days, and contributes to key developments of EOSC, such as
  - the Strategic Research and Innovation Agenda
  - reflections on how to make EOSC sustainable financially and legally in the long-term

# RESEARCH ASSESSMENT

- Recommendations on research assessment processes:
- “Organisations should consider broadening the spectrum of research outputs and activities that are considered during the assessment of candidates, research proposals, and/or research institutes.”
- Science Europe promotes to include researchers’ Open Science activities in the criteria for research assessment.



# SCIENCE EUROPE MEMBERS IN GLOBAL OA INITIATIVES

- 9 Science Europe members are signatories of OA 2020
- 13 Science Europe members were founding members of Plan S and cOAlition S



Plan S

Making full and immediate Open Access a reality



# Plan S & cOAlition S

KERC Webinar – 1 December 2020

Dr. Johan Rooryck | Executive Director, cOAlition S



# cOAlition S: 25 organizations

## National European funders:

- ⦿ Austria: FWF
- ⦿ Finland: AKA
- ⦿ France: ANR
- ⦿ Ireland: SFI
- ⦿ Italy: INFN
- ⦿ Luxembourg: FNR
- ⦿ Netherlands: NWO
- ⦿ Norway: RCN
- ⦿ Poland: NCN
- ⦿ Slovenia: ARRS
- ⦿ Sweden: FORMAS, FORTE, VINNOVA
- ⦿ UK: UKRI

## European Commission:

(Horizon Europe framework)

## Charitable foundations:

- ⦿ The Wellcome Trust
- ⦿ The Bill & Melinda Gates Foundation
- ⦿ Howard Hughes Medical Institute (HHMI)
- ⦿ Aligning Science Across Parkinson's (ASAP)
- ⦿ Templeton World Charity Foundation (TWCF)

## Global dimension

- ⦿ World Health Organisation + TDR
- ⦿ Jordan: HCST
- ⦿ Zambia : NSTC
- ⦿ South Africa : SAMRC
- ⦿ African Academy of Sciences

## São Paulo Statement

AmeliCA, SciELO, African Open Science Platform, OA2020, cOAlition S.

**Coordinated action with OA2020**

**Coordinated action with COAR**



# Why Plan S ?

## Funders



- ⦿ Research funding organizations in cOAlition S want:
  - ⦿ To accelerate science by making research results immediately available to the largest possible audience worldwide.
  - ⦿ Greater transparency in research communication
  - ⦿ A cost-effective transition from the (unsustainable) subscription model to an Open Access model.
  - ⦿ Use their funding to drive academic publishing towards full and immediate Open Access





## Plan S : strong principles

- ⦿ Research results are a public good and should be immediately available so as to accelerate science
- ⦿ **No more paywalled publications**
- ⦿ Open Access must be **immediate**:  
**no embargo periods**
- ⦿ Publication under a **CC-BY license** by default, **no copyright transfer** (*Principle 1*)
- ⦿ No 'hybrid' model of publication, except as a transitional arrangement with a defined endpoint





## Plan S : strong principles

- ⦿ Pricing, contracts and publication fees should be transparent and reasonable (*Principle 5*)
- ⦿ **Funders** commit to support such publication fees, individual researchers do not pay (*Principle 4*)
- ⦿ **Multiple routes** to OA compliance (*Principle 5*)
- ⦿ A commitment to assess research outputs based on their **intrinsic merit** and NOT their venue of publication or quantitative metrics, following e.g. DORA (*Principle 10*).



# Implementation



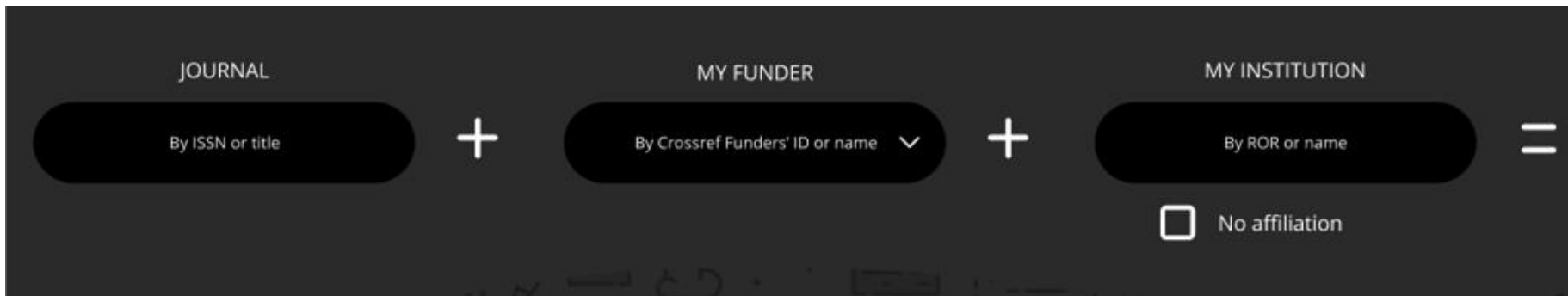
- ⦿ **Goal:** Provide routes that allow **ALL** cOAlition S grant holders to publish Open Access in **ANY** journal of their choice.
- ⦿ **Three routes to compliance**
  - ⦿ *Open Access journals or platforms (Diamond or Gold):*  
cOAlition S funders pay for APCs
  - ⦿ *Open Access repositories (Green):*  
Authors publish in a subscription journal and make the peer reviewed AAM version immediately available in a repository with an open licence via the Rights Retention Strategy.
  - ⦿ *Transformative arrangements:*  
Authors publish in a journal with a Transformative Arrangement (e.g. Read & Publish deals)



# Implementation

## Making it easy: Journal Checker Tool

- cOAlition S grant holders must be able to identify how their journal of choice meets their funders Plan S aligned OA policy.
- A *Journal Checker Tool* (JCT) was developed by Cottage Labs in partnership with Antleaf.



The screenshot shows the Journal Checker Tool interface with three main sections: JOURNAL, MY FUNDER, and MY INSTITUTION. The JOURNAL section has a dropdown menu with the option "By ISSN or title". The MY FUNDER section has a dropdown menu with the option "By Crossref Funders' ID or name" and a downward arrow. The MY INSTITUTION section has a dropdown menu with the option "By ROR or name" and a checkbox labeled "No affiliation". The interface is dark-themed with white text and icons.

- This combination enables a researcher to find out how their journal of choice complies with Plan S.
- A beta version of the JCT is available since 18 November.



# Rights Retention Strategy



- ⦿ cOAlition S researchers who wish to publish in a subscription journal must deposit their Author Accepted Manuscript (AAM) in a repository, with a CC BY license and zero-embargo.
- ⦿ cOAlition S funders **require** this via their grant agreement.
- ⦿ This earlier agreement **takes legal precedence** over any later copyright agreement with the publisher.
- ⦿ Researchers must include the following in every submission: *“This research was funded in whole or in part by the [Funder name] [Grant number]. For the purpose of open access, the author has applied a CC-BY public copyright licence to any Author Accepted Manuscript version arising from this submission”*



# Working with key stakeholders: early career researchers (ECR)



- cOAlition S has established a Task Force to measure the impact of Plan S on ECRs, including representatives from 4 ECR organizations:

*Global Young Academy (GYA), Young Academy Europe (YAE), Marie Curie Alumni Association (MCAA), and EuroDoc.*



**eurodoc**

The European Council of Doctoral  
Candidates and Junior Researchers



# Other activities

## Transparent pricing



- ⦿ Plan S Guidance specifies: “*cOAlition S, in partnership with publisher representatives and other stakeholders, will define the various services (e.g., triaging, peer review, editorial work, copy editing) publishers will be asked to price.*”
- ⦿ cOAlition S aims to help make the nature and prices of OA publishing services more transparent, to build confidence amongst stakeholders that prices are fair and reasonable.
- ⦿ cOAlition S has recently announced their price transparency requirements.
- ⦿ From July 2022, only publishers adhering to the Plan S price transparency frameworks will be eligible to receive publication funds from cOAlition S members.

# Working together to deliver Open Access



- ⦿ Plan S is part of a wider open science movement, looking to accelerate the transition to providing research results in Open Access
- ⦿ To fully deliver on its ambition – **to make full and immediate OA a reality** – we need a global coalition of funders, but also institutions, researchers, and publishers

