

# FOSTER Plus

**WEBINAR**



Manual de Capacitación  
FOSTER de Ciencia Abierta

13 de septiembre  
a la 11 a.m. (Chile) / 4 p.m. (CEST)



Capacitación  
Biblioteca de la CEPAL

Presentación  
Remedios Melero  
IATA-CSIC. Partner FOSTER



# Algunos datos

Project Name: FOSTERING THE PRACTICAL  
IMPLEMENTATION OF OPEN SCIENCE IN HORIZON  
2020 AND BEYOND

Project Acronym: FOSTER Plus

Project number: 741839

Start Date: 01/05/2017

Duration: 24 months

Funding from the EC: 925.846,26€

Website: [www.fosteropenscience.eu](http://www.fosteropenscience.eu)

## Project Partners

- Universidade do Minho – Portugal
- University of Göttingen – Germany
- The Open University – UK
- Stichting eIFL.net – Netherlands
- University of Edinburgh – DCC – UK
- University of Glasgow – DCC – UK
- Danmarks Tekniske Universitet – Denmark
- Stichting LIBER – Netherlands
- Consejo Superior de Investigaciones Científicas – Spain
- GESIS – Leibniz-Institute for the Social Sciences – Germany
- Fundacio Centre de Regulacio Genomica – Spain

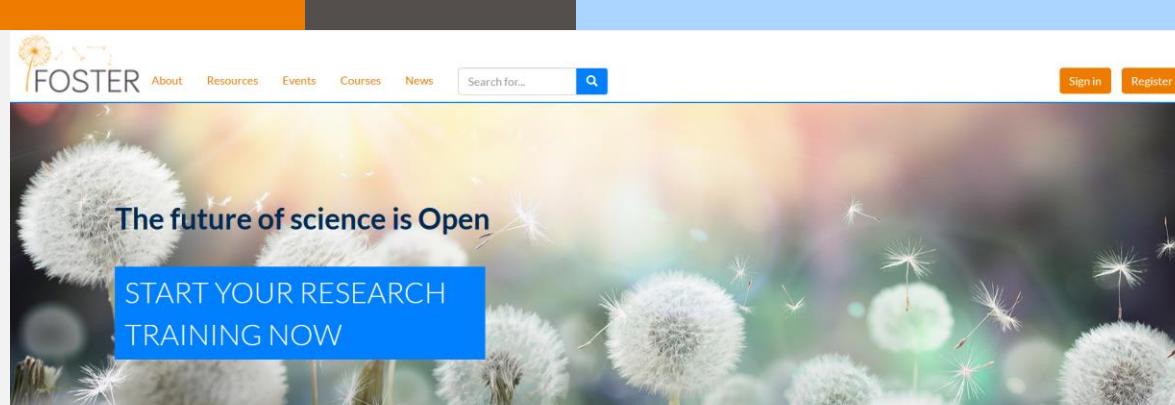
**Associated partners:** Digital Research Infrastructure for the Arts and Humanities ([DARIAH-EU](#)) and Leibniz Information Centre for Science and Technology ([TIB](#))

## Objetivos principales:

- Apoyar el cambio cultural hacia la Open Science a través de la formación/capacitación
- Consolidar y mantener una red de formadores que actúen de embajadores de la Open Science
- Fortalecer la capacidad de capacitación teniendo en cuenta los recursos existentes y las posibles necesidades o demandas de contenidos para la implementación práctica de la Open Science

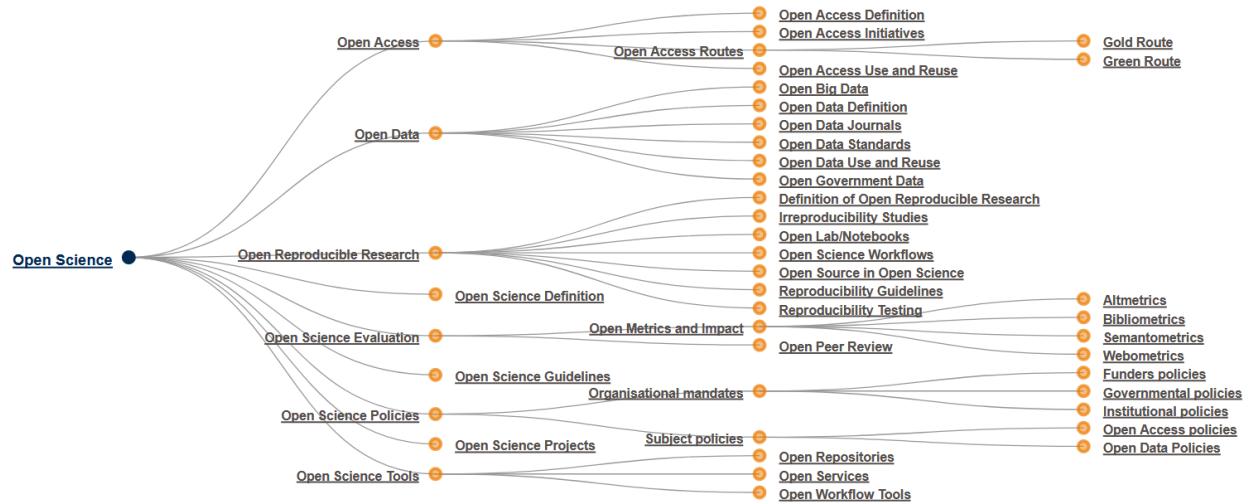
## Actividades principales orientadas a alcanzar nuestros objetivos

- Celebración de cursos/actividades de capacitación presenciales, cursos semipresenciales y de aprendizaje online enfocados a proporcionar contenidos de orientación práctica
- Creación de recursos de capacitación modulares relacionados directamente con los componentes de la Open Science
- Consolidación de una red de formadores de Open Science disciplinares vinculados a áreas de ciencias sociales, humanidades y ciencias de la vida



# Taxonomía open science

Click to [download taxonomies](#)

[Open Science](#)[Research Data Management](#)[Legal Issues](#)[Text And Data Mining](#)[TDM Methods](#)[Research Workflow](#)[RRI](#)

<https://www.fosteropenscience.eu/>

USE FOSTER TO:



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Para

## AVAILABLE LEARNING PATHS

The following are a list of Learning Path that will be soon available on the platform. Please keep in mind that the learning paths and badges described here are work in progress.



The open peer reviewer



The responsible data sharer



The reproducible research practitioner



The open innovator



The open access author

Como



# Ejemplos de recursos

## Resources



### Open Science Training Handbook

By Sonja Bezlak University of Ljubljana, Slovenia ; April Clyburne-Sherin; Philipp Conzett; Pedro Fernandes; Edit Görög; Kerstin Helbig; Bianca Kramer; Ignasi Labastida; Kyle Niemeyer; Fotis Psomopoulos; Tony Ross-Hellauer; René Schneider; Jon Tennant; Elle Publication year: 2018 | [Open Science](#) | [Open Access](#) | [Open Data](#) | [Open Reproducible Research](#) | [Open Science Evaluation](#) | [Open Science Tools](#) | [Open Metrics and Impact](#) | [Open Science Definition](#) | [Open Access Routes](#)



### COURSE: [What is Open Science?](#)

Intended audience Librarians and Repository managers, Researchers and Students, Research Administration, PHD Students, Researchers and Students

Level: Introductory: no previous knowledge is required

This introductory course will help you to understand what open science is and why it is something you should care about. You'll get to grips with the expectations of research funders and will learn how practising aspects of open science can benefit your career progression. Upon completing this course, you will:

- understand why open science is an issue that you can't afford to ignore
- understand how to go about mak...



### Open Science through Open Science Fair 2017 Conference

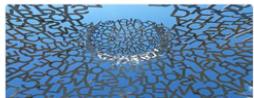
By Katerina K Lenaki  
Publication year: 2017 | [Open Science](#) | [Open Science Definition](#) | [Open Services](#) | [Open Repositories](#) | [Definition of Open Reproducible Research](#) | [Gold Route](#) | [Green Route](#) | [Open Access policies](#)



### Open Science

By Radboud University  
Publication year: 2018 | [Open Science](#) | [Open Access](#) | [Open Access Routes](#) | [Open Access Definition](#) | [Open Science Definition](#) | [Research Data Management](#)

**dboud Universite**



### COURSE: [Open Science at the Core of Libraries](#)

Intended audience Librarians and Repository managers

Level: Introductory: no previous knowledge is required

Libraries have gone a long way to facilitating research workflows, and more recently to fostering open access to science and openness in a broader sense. Science is evolving: research practices, resources and tools are opening up and going beyond a publication based model, to a new open environment of research data and digital research tools, social media and collaborative platforms. There is a compelling need for...

# Documentos relativos al proyecto

zenodo

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## FOSTER, Facilitating Open Science in European Research

### Recent uploads

Search FOSTER, Facilitating Open Science in European Research

July 20, 2018 (v1) Project deliverable Open Access

#### Recommendations on Open Science Training

by Iryna Kuchma; FOSTER Plus consortium

Building on Open Science Training Handbook (available as gitbook at <https://book.fosteropenscience.eu/> and in the github repository at <https://github.com/OpenScienceTrainingHandbook>), and on successes of over 40 online and face-to-face events that FOSTER organized in 2017-2018, this report provides

Uploaded on August 7, 2018

April 25, 2018 (v1) Conference paper Open Access

#### The Open Science training handbook: Written by 14 international experts during the FOSTER Book Sprint

by Helene Brinken; Dr. Martin Mehlberg; Lambert Heller;

In February 2018, FOSTER Plus and TIB organized a book sprint in order to author an Open Science training handbook collaboratively. For one week, we brought together 14 experienced Open Science educators in Hanover to answer a number of questions: What works, what doesn't? How can you make the

Uploaded on June 11, 2018

March 28, 2018 (v1) Project milestone Open Access

#### Roadmap for Implementing Open Science Training Practices in Research Institutions

by Brinken, Helene; Jones, Sarah; Oudenhoven, Martine; Davidson, Joy;

In this policy briefing FOSTER outlines six practical actions to be implemented by research institutions to support a cultural change towards Open Science.

Uploaded on March 28, 2018

April 23, 2017 (v1) Conference paper Open Access

#### Passive vs Active Knowledge Transfer: boosting grant proposal impact

by Grigorov, I.; Bayliss-Brown, G.; Murphy, D.; Thøgersen, T.; Mariani, P.;

Research funders are increasingly concerned with measurable socio-economic impact of investment in research, and on increasingly shorter timescales. Innovation, and 'open innovation' are the policy priorities of the moment and optimising the flow of ideas along the lab-to-market spectrum.

Uploaded on January 31, 2018

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Community



#### FOSTER, Facilitating Open Science in European Research

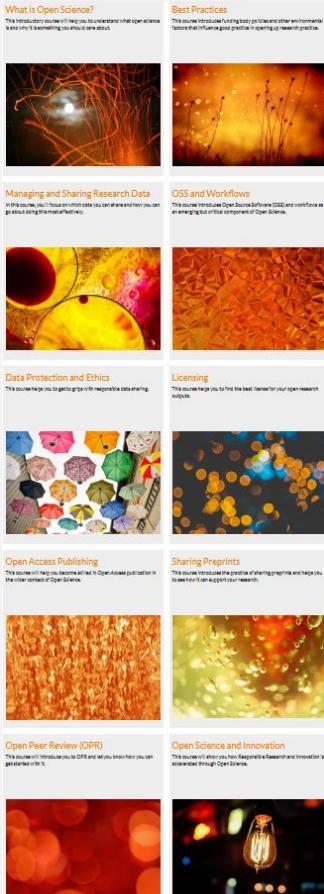
The FOSTER portal is an e-learning platform that brings together the best training resources for those who need to know more about Open Science, or who need to develop strategies and skills for implementing Open Science practices in their daily workflows. Here you will find a growing collection of training materials to meet the needs of many different users, from early-career researchers, to data managers, librarians, funders, and graduate schools.

[Read more](#)

<https://zenodo.org/communities/foster>

# Cursos online (*toolkit*). Abiertos a sugerencias y comentarios

<https://www.fosteropenscience.eu/toolkit>



The Open Science Training Handbook

Readme

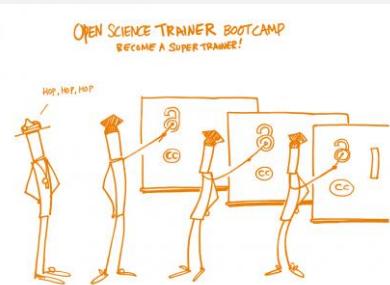
Last updated 5 months ago

Edit on GitHub

Introduction

- > Open Science Basics
- On Learning and Training
- Organizational Aspects
- Examples and Practical Guidance
- Glossary
- References
- About the Authors & Facilitators
- Languages

The Open Science Training Handbook



<https://open-science-training-handbook.gitbook.io/book>



Roadmap for Implementing Open Science Training Practices in Research Institutions

## Trainers directory

Are you planning an event in Open Science and looking for speakers? Take a look at the FOSTER Trainers Directory and find the right speaker for your event.

Filter on logic: [Open Access \(26\)](#) | [Open Data \(22\)](#) | [Open Science \(19\)](#) | [Research Data Management \(14\)](#) | [Open Metrics and Impact \(11\)](#) | [Open Science Policies \(11\)](#) | [37 more...](#)

Filter on audience: [Researchers and Students \(45\)](#) | [PHD Students \(27\)](#) | [Librarians and Repository managers \(24\)](#) | [Policy makers and Funders \(29\)](#) | [8 more...](#)

Filter on spoken language: [English \(EN\) \(39\)](#) | [Spanish \(ES\) \(10\)](#) | [German \(DE\) \(10\)](#) | [French \(FR\) \(7\)](#) | [Portuguese \(PT\) \(5\)](#) | [Dutch \(NL\) \(5\)](#) | [9 more...](#)



Eloy Rodrigues

Language: Portuguese (PT), English (EN), Spanish (ES)

Topics of interest: Open Science | Open Access | Open Data | Open Metrics and Impact | Intellectual Property Rights

Audience: Librarians and Repository managers | PHD Students | Policy makers and Funders | Project Managers | Researchers and Students



Iryna Kuchma

Language: English (EN)

Topics of interest: Open Metrics and Impact | Research Data Management | Open Access | Open Data | Open Science Policies

Audience: Policy makers and Funders | Librarians and Repository managers | Researchers and Students | PHD Students



Ivo Grigorov

Language: English (EN), French (FR), Bulgarian (BG)

Topics of interest: Open Metrics and Impact | Open Science | Open Data | Open Access | Open Peer Review

Audience: Librarians and Repository managers | PHD Students | Policy makers and Funders | Project Managers | Research Administration | Researchers and Students



José Carvalho

Language: Portuguese (PT), English (EN), Spanish (ES), French (FR)

Topics of interest: Open Science | Open Access | Funder policies

Audience: Librarians and Repository managers | Researchers and Students | Project Managers



Nancy Pontika

Language: English (EN), Greek (EL)

Topics of interest: Open Science | Open Access | Open Access Routes | Open Access Definition | Open Access Initiatives | Gold Route | Green Route | Open Access Use and Reuse | Definition of Open Reproducible Research | Open Science Workflow | Open Reproducible Research | Open Science Use and Reuse | Open Access Mandates | Organisational mandates | Open Science Guidelines | Open Metrics and Impact | Open Science Definition | Open Resources | Open Science

Audience: Librarians and Repository managers | PHD Students | Policy makers and Funders | Project Managers | Research Administration | Researchers and Students



Petr Knoth

Language: English (EN), Czech (CS)

Topics of interest: Open Science | Open Science Policies | Open Access | Open Metrics and Impact

Audience: Librarians and Repository managers | Policy makers and Funders | Researchers and Students



Gwen Franck

Language: English (EN), French (FR), Dutch (NL)

Topics of interest: Open Science | Open Access | Intellectual Property Rights | Institutional policies | Open Access policies | Gold Route | Green Route | Open Science Policies

Audience: Policy makers and Funders | Librarians and Repository managers | Researchers and Students

# Recursos, cursos y personas!!!



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 691489

Foster Open Science

Página Bandeja de entrada Administrar ofertas de empleo Notificaciones 21 Estadísticas

**MODES OF PEER REVIEW:**

- BLIND PEER REVIEW:** Shows two people behind a screen with the text "WHO ARE YOU?" and "WHERE DO YOU COME FROM?"
- OPEN IDENTITIES:** Shows two people with their names written above them: "JOHN D. WILSON" and "JULIA B. HARRIS".
- OPEN:** Shows a person with the text "WHO ARE YOU?" and "WHERE DO YOU COME FROM?"
- INCLUDE A REFERENCE:** Shows two people with the text "WHO ARE YOU?" and "INCLUDE A REFERENCE".
- INCLUDE A REFERENCE:** Shows two people with the text "WHO ARE YOU?" and "INCLUDE A REFERENCE".

**Fotos**

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349 Photos and videos

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Foster Open Science @fosteropenscience · 2h  
Reminder: 🚨 the Spanish webinar about the #opencourse training handbook is on Thursday!

BIBRA Webinar 13 sept. "Manual de Capacitación FOSTER de Ciencia Abierta" organizado por @fosteropenscience #BibliotecaCEPAL. Inscripciones: geo.g/formls/ep2PKaA... Conceptos de #CienciaAbierta #opencourse y #OER

Foster Open Science Retweeted  
Open Science MOOC @OpenScienceMOOC · 9h Accelerate #opencourse training for researchers! euroscientist.com/accelerate-ope

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<https://www.fosteropenscience.eu/about#download>



# Open Science?



# Open Science?

Open Science is the **practice of science** in such a way that others can **collaborate and contribute**, where research data, lab notes and other research processes are **freely available**, under terms that **enable reuse, redistribution and reproduction** of the research and its **underlying data and methods**.

[FOSTER, Open Science Definition: <https://www.fosteropenscience.eu/foster-taxonomy/open-science-definition>]

***Open science ...represents a paradigm shift in the modus operandi of research and science impacting the entire scientific process*** (Comisión Europea, 2014)



“Open Science represents a new approach to the scientific process **based on cooperative work** and **new ways of diffusing knowledge** by using **digital technologies** and **new collaborative tools**. The idea captures a **systemic change to the way science and research** have been carried out for the last fifty years: **shifting from the standard practices** of publishing research results in scientific publications **towards sharing** and using all available knowledge at an earlier stage in the research process”. (Comisión Europea)

Please cite this paper as:

OECD (2015), "Making Open Science a Reality", *OECD Science, Technology and Industry Policy Papers*, No. 25, OECD Publishing, Paris.  
<http://dx.doi.org/10.1787/5jrs2f963zs1-en>



OECD Science, Technology and Industry  
Policy Papers No. 25

## Making Open Science a Reality

OECD

*"Open science commonly refers to efforts to make the output of publicly funded research more widely accessible in digital format to the scientific community, the business sector, or society more generally".*

# Open science... una visión holística



# Significados

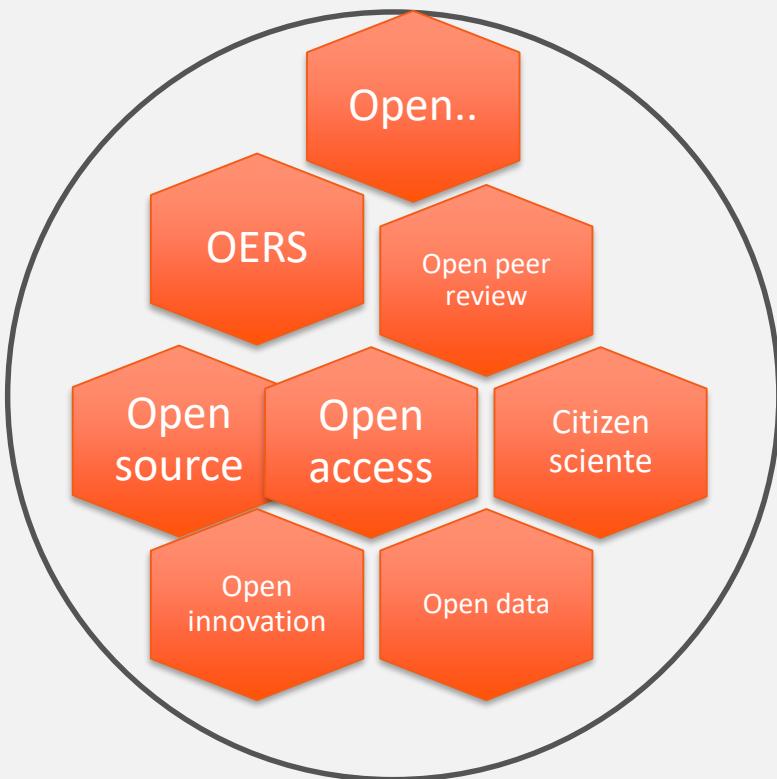


# Open science

“actores”



“Opens”





OERS

Open peer review

Open...

Open source

Open access

Citizen scienti

Open data

Open innovation

**RECOMENDACIÓN (UE) 2018/790 DE LA COMISIÓN.** de 25 de abril de 2018 relativa al acceso a la información científica y a su preservación.  
<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32018H0790>

- Acceso abierto a las publicaciones científicas
- Gestión de los datos de investigación, incluyendo el acceso abierto
- Preservación y reutilización de la información científica
- Infraestructuras para la ciencia abierta
- Capacidades y competencias
- Incentivos y recompensas
- Diálogo multilateral sobre la ciencia abierta a nivel nacional, europeo e internacional
- Coordinación estructurada de los Estados miembros a nivel de la UE y seguimiento de la presente Recomendación

# Open Science and its role in universities: a roadmap for cultural change (LERU 2018).

- Future of Scholarly Communication
- EOSC (European Open Science Cloud)
- FAIR Data
- Skills
- Research Integrity
- Rewards
- Altmetrics
- Citizen Science



## 4 Recomendaciones globales, dirigidas a las Universidades:

1. Nombrar a un gestor senior que lidere las **iniciativas Open Science** en torno a estos 8 pilares
2. Desarrollo de un programa para promover el **cambio cultural**
3. Desarrollo de programas que **promuevan la open science** y sus oportunidades reales
4. Trazar una **estrategia de comunicación** que permita familiarizar a la comunidad científica con las prácticas Open Science

Open Science =  
(Open Outputs + Open Infrastructure) x Cultural Change



Access, reuse &  
discoverability



Evaluation & researcher  
behaviour

Julio de 2018



OECD Science, Technology and Industry  
Working Papers 2018/07

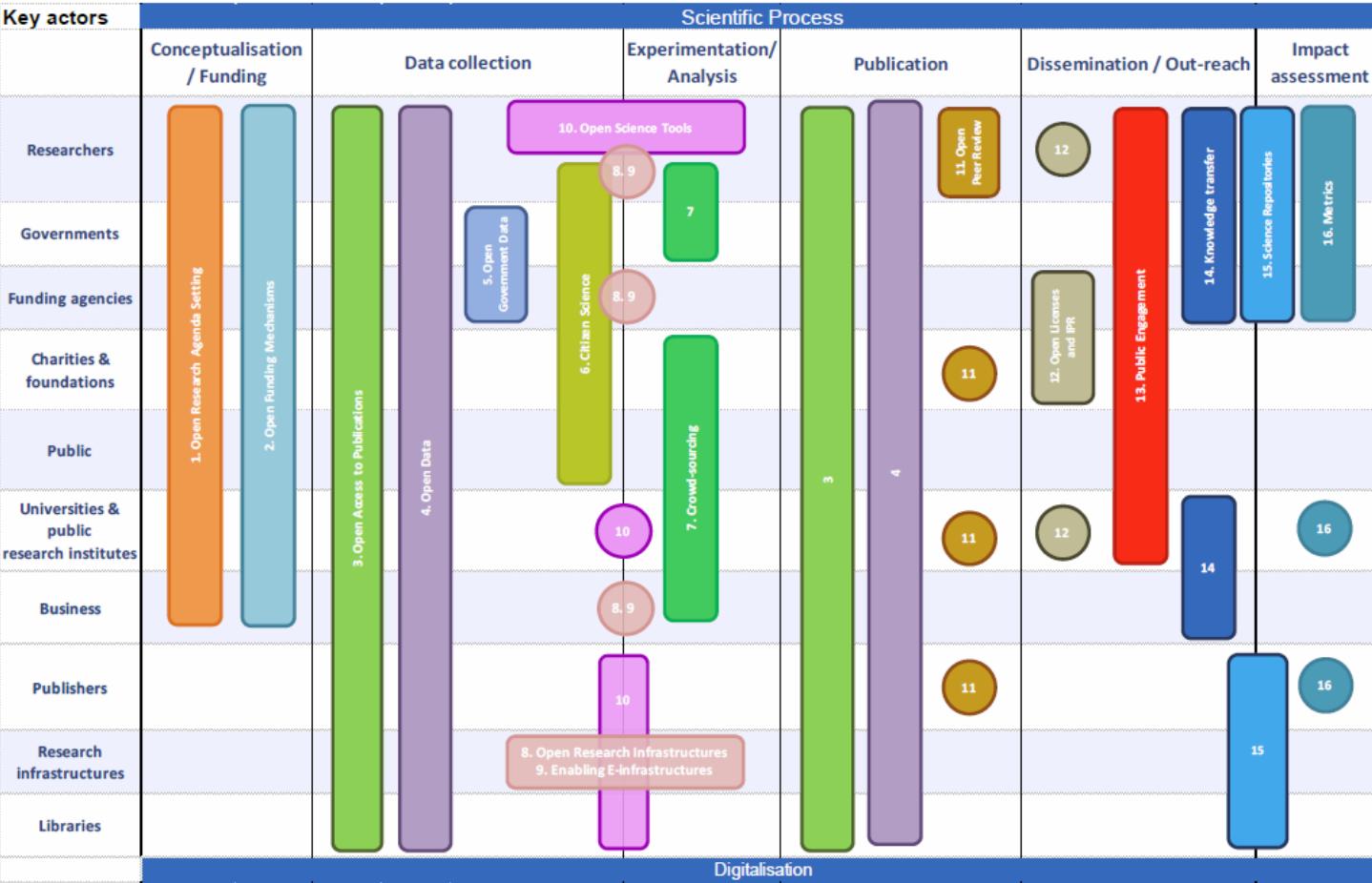
## **Open and inclusive collaboration in science**

**A FRAMEWORK**

Qian Dai, Eunjung Shin, Carthage Smith

[https://read.oecd-ilibrary.org/industry-and-services/open-and-inclusive-collaboration-in-science\\_2dbff737-en#page1](https://read.oecd-ilibrary.org/industry-and-services/open-and-inclusive-collaboration-in-science_2dbff737-en#page1)

# Framework propuesto



4 de septiembre 2018

<https://www.scienceeurope.org/coalition-s/>

cOAlition S

Shaping the future of research

Login Area

News

(04/09/18) Science without publication paywalls: cOAlition S for the realisation of full and immediate Open Access... [read more](#)

(11/07/2018) Research funders making Open Access a reality by 2020... [read more](#)

Documents

Science Without Publication Paywalls: cOAlition S for the Realisation of Full and Immediate Open Access... [read more](#)

cOAlition S  
Making  
Open Access  
a reality  
by 2020

A DECLARATION OF COMMITMENT  
BY PUBLIC RESEARCH FUNDERS

<http://scieur.org/coalition-s>

“After 1 January 2020 scientific publications on the results from research funded by public grants provided by national and European research councils and funding bodies, must be published in compliant Open Access Journals or on compliant Open Access Platforms”



# ¿Preguntas?