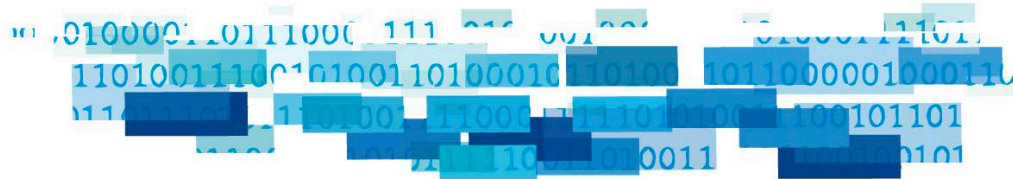


**CRECS 2016<sup>a</sup> Conferencia internacional  
sobre revistas de ciencias sociales y Humanidades  
Barcelona, 5-6 de mayo de 2016**

**MareData**



**MAREDATA. Red española sobre datos de investigación en abierto**

Remedios Melero & Equipo Maredata



# Algunos datos.....

MINECO. Plan Estatal de Investigación Científica y Técnica y de Innovación **2013-2016**

**Redes de Excelencia 2015**

AREA TEMÁTICA GESTIÓN: **Ciencias Sociales**

**Título:** Red española sobre datos de investigación en abierto

**Acrónimo:** MAREDATA

**Referencia:** CSO2015-71867-REDT

**Duración:** 2 años (2016-2017)

**Financiación** (costes directos): 30.000 €

**IP:** Ernest Abadal Falgueras (UB)

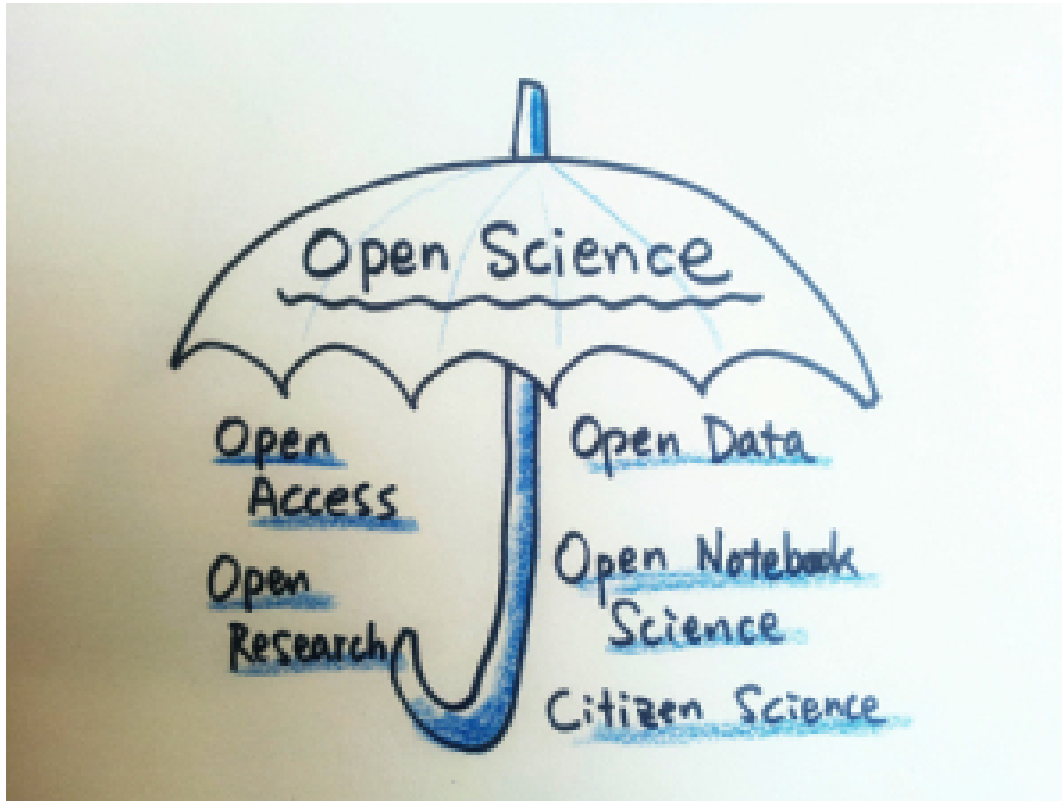
**Siete grupos:** CSIC-IATA, CSIC-INGENIO-UV, UA, UB, UC3M, UOC, UPV

**WEB:** maredata.net (en breve activa)

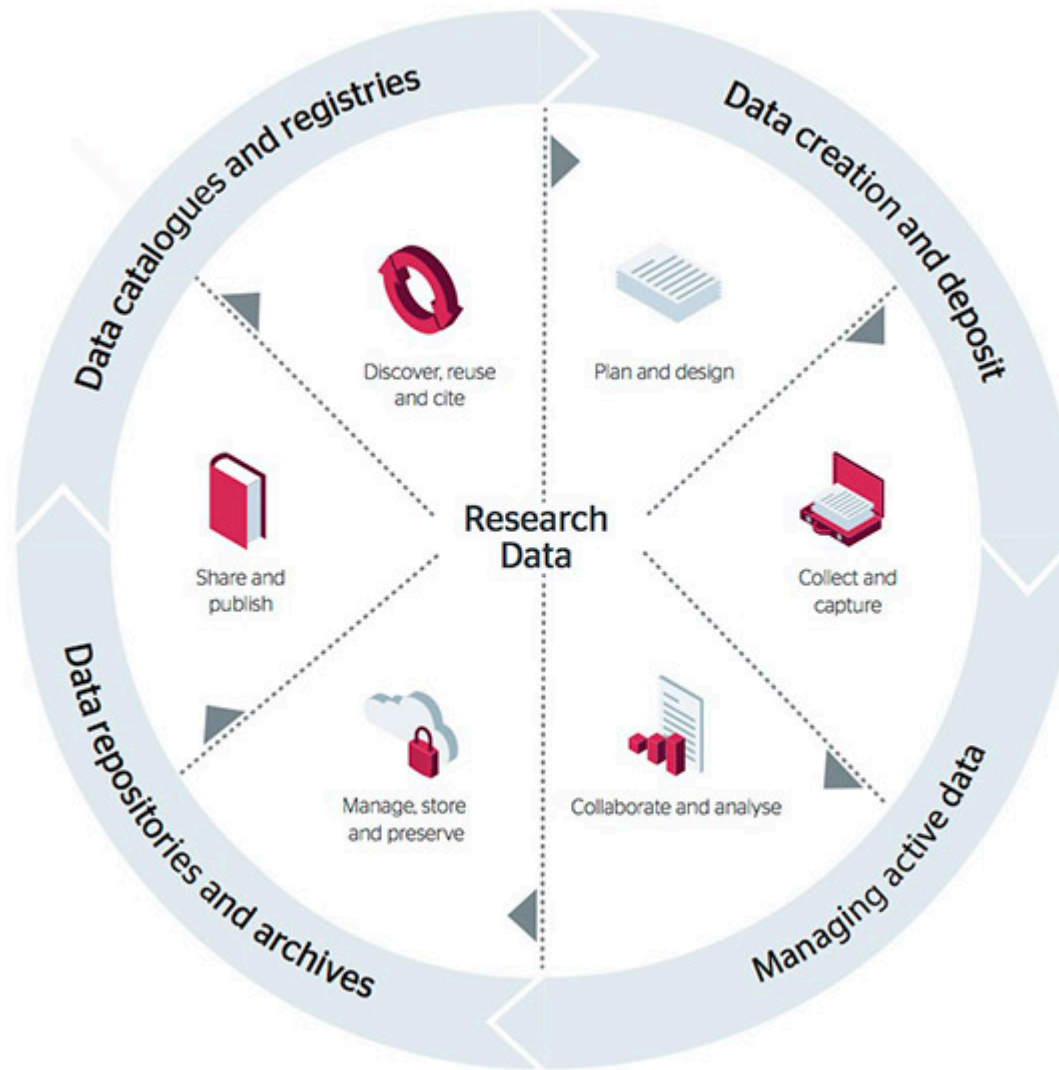


# El Contexto.....

# Open science va mas allá del open access



# Ciclo de vida de los datos



Panton Principles, Principles for open data in science. Murray-Rust, Peter; Neylon, Cameron; Pollock, Rufus; Wilbanks, John; (19 Feb 2010). <http://pantonprinciples.org/>

# Panton Principles

Principles for Open Data in Science

[Endorse](#) [Principles](#) [About](#) [Comment](#)

Science is based on building on, reusing and openly criticising the published body of scientific knowledge.

For science to effectively function, and for society to reap the full benefits from scientific endeavours, it is crucial that science data be made **open**.



Open data must be accessible, useable, assessable and intelligible ( extracted from *Science as an Open Enterprise*, 2012 )



<https://www.force11.org/group/fairgroup/fairprinciples>

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FORCE11 » Groups » The FAIR Data Principles - FOR COMMENT

## THE FAIR DATA PRINCIPLES - FOR COMMENT

JOIN IN THE DISCUSSION - LEAVE YOUR COMMENTS BELOW

FAIR Data Principles

**FAIR Data Principles: Findable, Accessible, Interoperable, and Re-usable**

Preamble

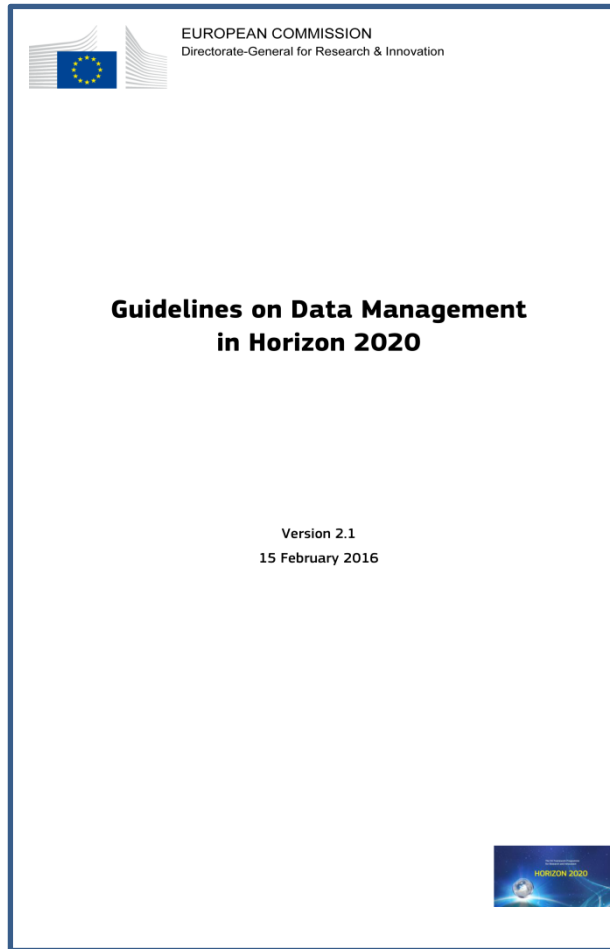


## The Hague DECLARATION

Access to Facts, Data & Ideas for Knowledge Discovery in the Digital Age

<http://thehaguedeclaration.com>

One of the grand challenges of data-intensive science is to facilitate knowledge discovery by assisting humans and machines in their discovery of access to, integration and analysis of, task-appropriate scientific data and their associated algorithms and workflows. Here, we describe FAIR - a set of guiding principles to make data Findable, Accessible, Interoperable, and Re-usable.



## Research Data Pilot in H2020

A novelty in Horizon 2020 is the Open Research Data Pilot which aims to improve and maximise access to and re-use of research data generated by projects. The legal requirements for projects participating in this pilot are contained in the optional article 29.3 of the Model Grant Agreement.

[http://ec.europa.eu/research/participants/data/ref/h2020/grants\\_manual/hi/oa\\_pilot/h2020-hi-oa-data-mgt\\_en.pdf](http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/oa_pilot/h2020-hi-oa-data-mgt_en.pdf)



## For Researchers

Updated on 11 September 2015



### How to: deposit and publish in OA

Share your research results. Make your research more visible. Comply with funder mandates. How? It's simpler than you think! Take a few minutes and go over our comprehensive information pack:

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- [Copyright issues](#)
- [FAQs for researchers](#)

- [H2020 - OA for publications & data info](#)
- [H2020 OA Factsheets for researchers](#)
- [OA in FP7 for publications](#)

And then use our services to

Find an [institutional or data repository](#) to deposit your results

Deposit in [ZENODO](#), an OpenAIRE/CERN repository

Use an EC fund to [publish FP7 post-grant publications](#)

Once you deposit in a [fully OpenAIRE compliant repository](#) your publications & data will be reported automatically to the EC's participant portal at reporting time.

### Link your research results

In our linked data world your research is yet another piece of the puzzle. Publishing/depositing in OA is a major step, but doing it properly is equally important. Your best bet is to use repositories/journals that use persistent IDs (e.g., CrossRef, DataCite, CNRI handles, ORCID, FundRef) and they expose data in an interoperable form.

So what to do? When you publish or deposit in OA make sure you use a [fully OpenAIRE compliant repository](#). If you don't, use our linking services [afterwards](#) and associate your research results:

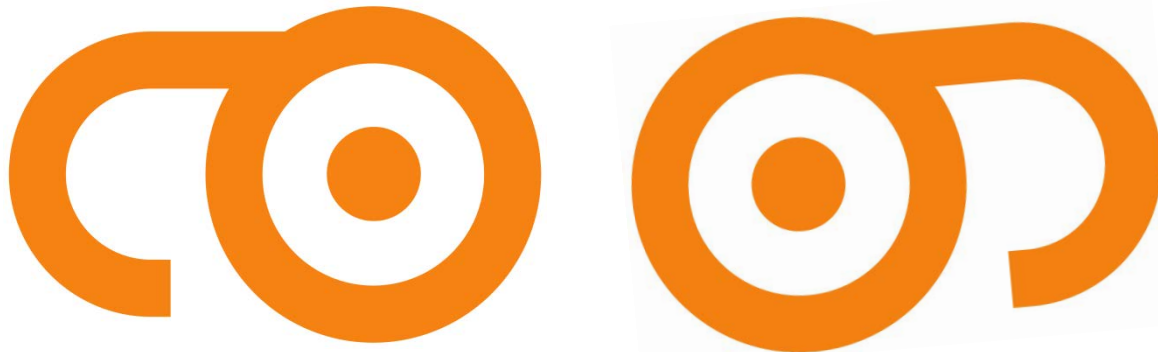
1. [Link publications or data to funding](#) for our associated funders
2. [Link publications with data](#) - buttons are in every publication/data landing page

*You need to be a registered user to perform these tasks.*





# From vision to action





# Draft European Open Science Agenda. 26 February 2016

DIRECTORATE-GENERAL FOR RESEARCH AND INNOVATION (RTD)

## Based on 5 policy actions:

- Foster Open Science
- Remove barriers to Open Science
- Develop research infrastructures for Open Science
- Mainstream Open Access to research results
- Embed Open Science in Society



This document is a living document reflecting the present state of open science evolution. It is based on the input of many participating experts and stakeholders of the Amsterdam Conference ‘Open Science – From Vision to Action’, hosted by the Netherlands’ EU Presidency on 4 and 5 April 2016.



Formulated to reach two important pan-European goals for 2020:

- 1. Full open access for all scientific publications**
- 2. A fundamentally new approach towards optimal reuse of research data**

To reach these goals by 2020 we need flanking policy:

- **New assessment, reward and evaluation systems**
- **Alignment of policies and exchange of best practices**

<http://english.eu2016.nl/documents/reports/2016/04/04/amsterdam-call-for-action-on-open-science>

# Twelve actions grouped around the five cutting themes that follow the structure of the European Open Science Agenda proposed by the EC

## Removing barriers to open science

1. **Change** assessment, evaluation and reward systems in science
2. **Facilitate** text and data mining of content
3. **Improve** insight into IPR and issues such as privacy
4. Create **transparency** on the costs and conditions of academic communication

## Developing research infrastructures

5. Introduce FAIR and secure data principles
6. Set up common e-infrastructures



## Fostering and creating incentives for open science

7. Adopt open access principles
8. Stimulate new publishing models for knowledge transfer
9. Stimulate evidence-based research on innovations in open science

## Mainstreaming and further promoting open science policies

10. Develop, implement, monitor and refine open access plans

## Stimulating and embedding open science in science and society

11. Involve researchers and new users in open science
12. Encourage stakeholders to share expertise and information on open science

“Data Scientist is a complex profession”

Home Events News Library FAQ About

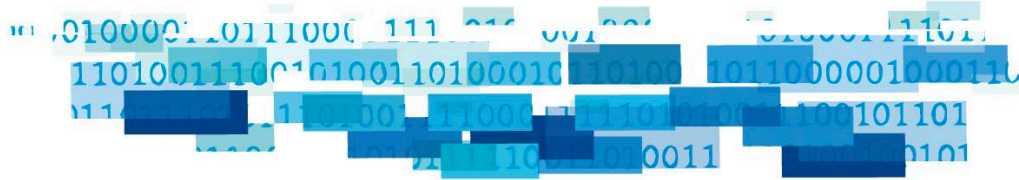


Data Scientist is a complex profession, where several competences from multiple disciplines have to be combined to identify a profile of professional competences that are required more and more in several employment contexts and stakeholder domains.

..“data scientists range from pure e-Science driven by research communities, to applications of Data Science Professionals in Public Institutions”

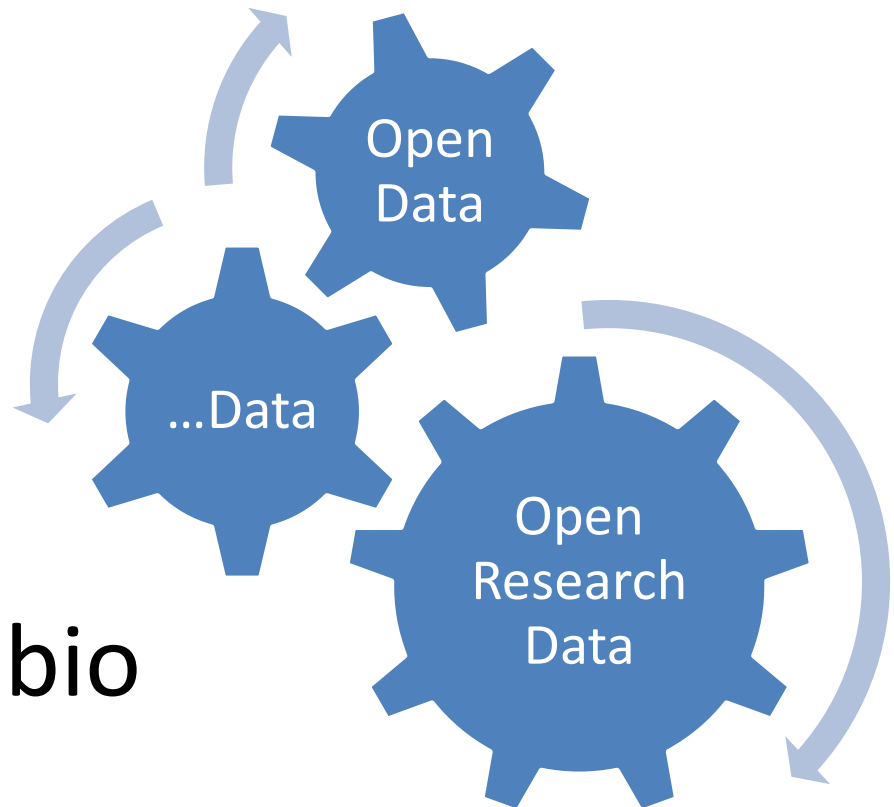
“future Data Scientists must possess **knowledge** (and obtain competencies and skills) in **data mining and analytics**, information **visualisation** and **communication**, as well as in **statistics**, **engineering and computer science**, and acquire experiences in the specific research or industry domain of their future work and specialisation.

# MareData



## Una red para:

- Promover
- Aglutinar
- Colaborar
- Participar
- Crear cambio
- .....



## Objetivos :

- Coordinar la actuación de los grupos integrantes de la red
- Contribuir a estructurar un marco de ciencia abierta en España que cuente con los diferentes agentes interesados en los datos de investigación.
- Promover sinergias transversales entre diferentes sectores no sólo en el ámbito académico (industrial, el sector infomediario y a la sociedad española en general).

# Cronología de Actuaciones durante 2016:

**Enero 2016.** • Constitución de los grupos de la RED.

Maredata.

- Primer Seminario sobre Gestión de datos de Investigación

([http://bd.ub.edu/grups/ccd/seminari\\_maredata](http://bd.ub.edu/grups/ccd/seminari_maredata))

**Mayo 2016.** • Anuncio del Portal MAREDATA ( maredata.net, hay que esperar un poquito).

- Presentación en CRECS. Segunda reunión coordinadores de la Red

- Llamada a grupos interesados en integrarse en la Red.

**Sept. 2016.** • Segundo seminario durante el Workshop de Rebiun, Univ Jaume I.

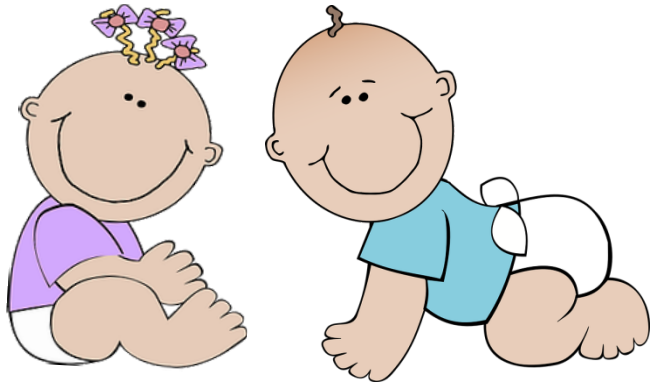
- Presentación de grupos y contenidos del portal

**Octubre 2016.** Madrid. International Open Data Conference 2016 (Pre- Workshop + sesión)





**Los inicios siempre cuestan,**



**pero el arranque, con decisión...**

**¡¡¡Gracias!!!**

**El equipo de Maredata**

