

TOR VERGATA
UNIVERSITÀ DEGLI STUDI DI ROMA



uc3m
Universidad
Carlos III
de Madrid

Tor Vergata's Roadmap to Open Science

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Universidad Carlos III de Madrid, 6 - 8 November 2019



The value of *Openness* lies in its potential



Tor Vergata aims at playing an active role in promoting Open Science



<http://bit.ly/343JSTQ>

The University intends to develop a realistic and affordable plan to better address changes of such great relevance



2004

- TV signed the Messina Declaration adhering to the Berlin Declaration on OA
- In order to implement OA principles, TV supported the green road by creating Tor Vergata OpenArchive (DSpace)
- *focused on PhD Dissertations*

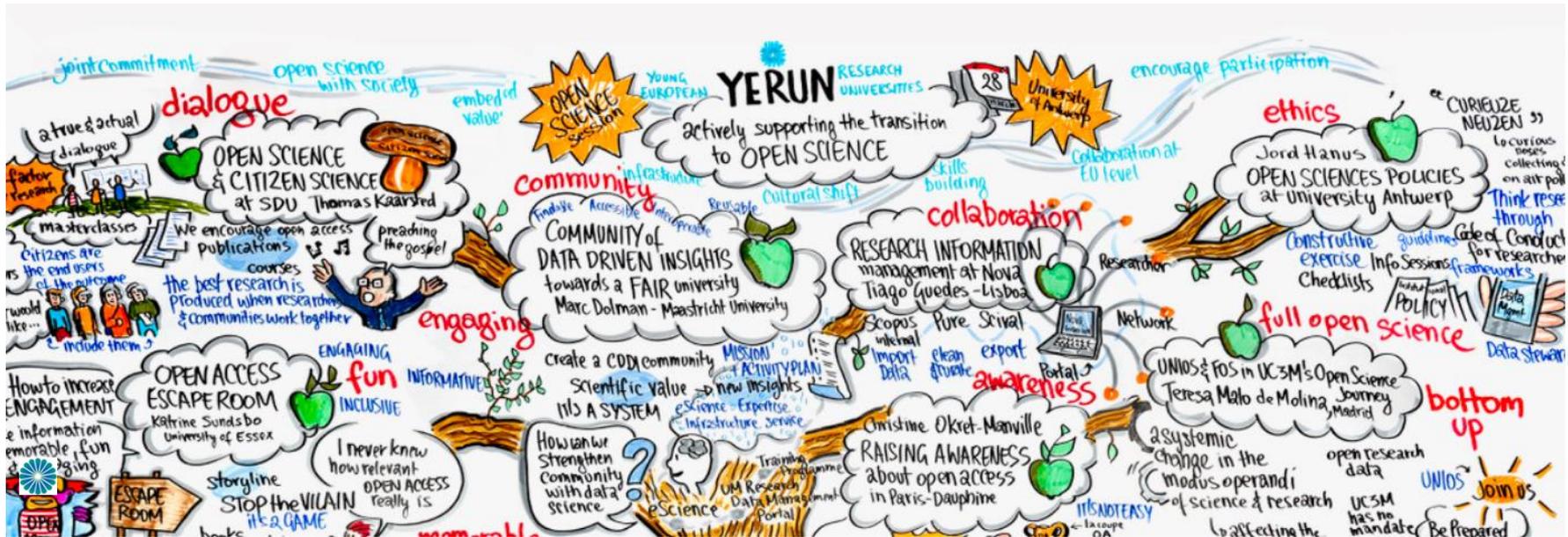
2007-2013
CRUI OAWG

- TV has been actively engaged in the CRUI-OA WG to support implementation of OA in Italian universities
- Activities centred on the drafting of Guidelines and Recommendations then adopted by several universities

2014
IRIS ART

- The Open Archive changed its focus: the University in order to create its own Research Registry adopted IRIS, a new CRIS (by CINECA) fully integrated with Dspace, OpenAire and CERIF compliant.
- The data are used for assessment of research unit and evaluation campaigns within universities
 - *ART includes almost 68000 publications of which 13% open access*
 - *currently high majority of Italian universities (70) adopted IRIS*

2018: Tor Vergata got on board YERUN OSWG !



<https://www.yerun.eu/events/yerun-staff-week-and-general-assembly-in-antwerp/>

- ✿ **Being part of YERUN** represents the opportunity for Tor Vergata to design an extensive approach to Open Scholarship
- ✿ an affordable path to OS can be built according to a **bottom-up approach**

Joined force from different areas



The University has recently established an **OS Interfaculty working group** to develop **a Roadmap** based on its own specificities, on the Italian context and on the framework of YERUN/Europe

...from the experience of the Faculties to develop a OS Policy Plan through the Interfaculty working group...

Joined force from different areas

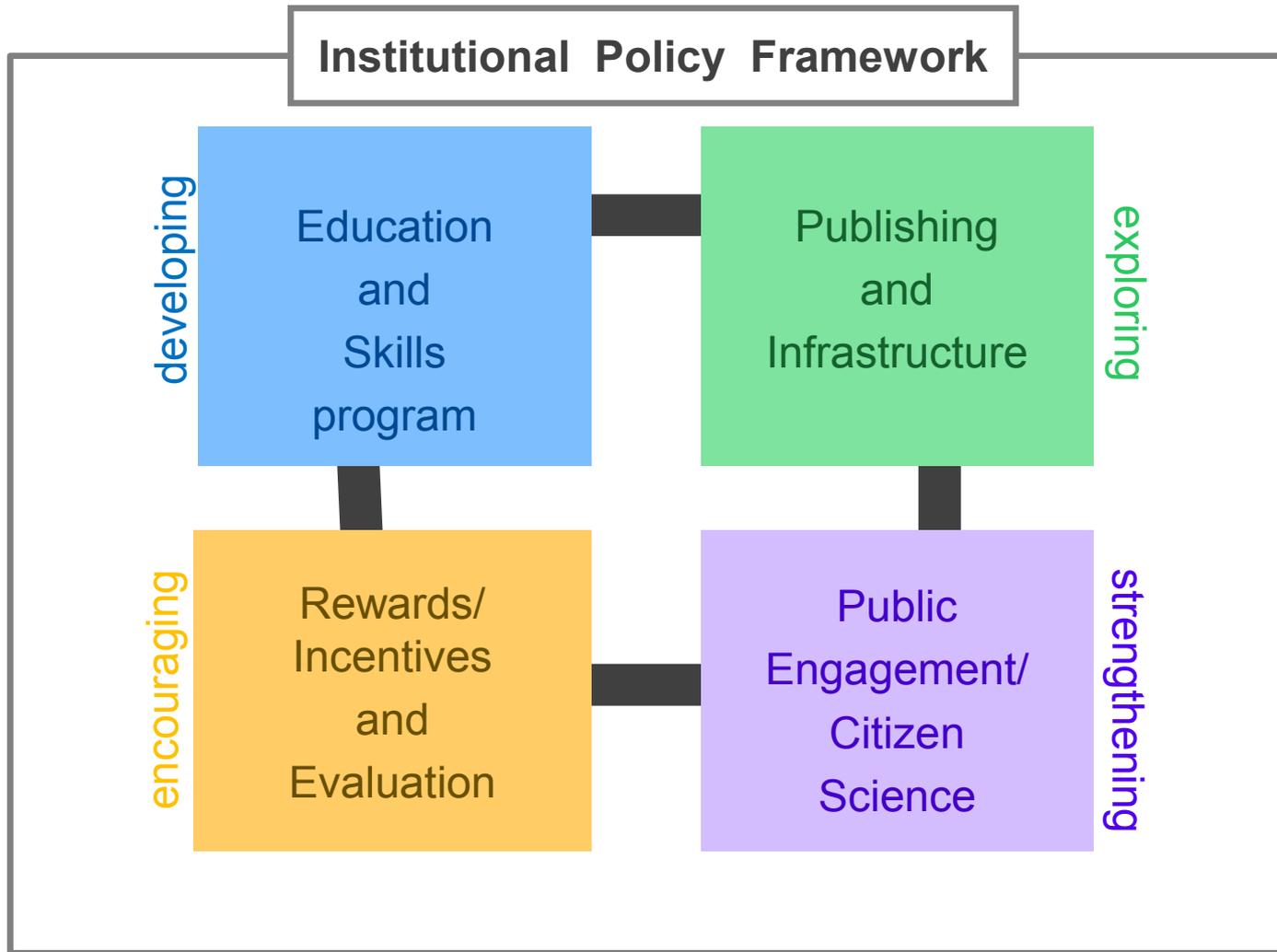


Informal (amazing!) meeting with Eva Mendez, University of Rome, 7th June 2019

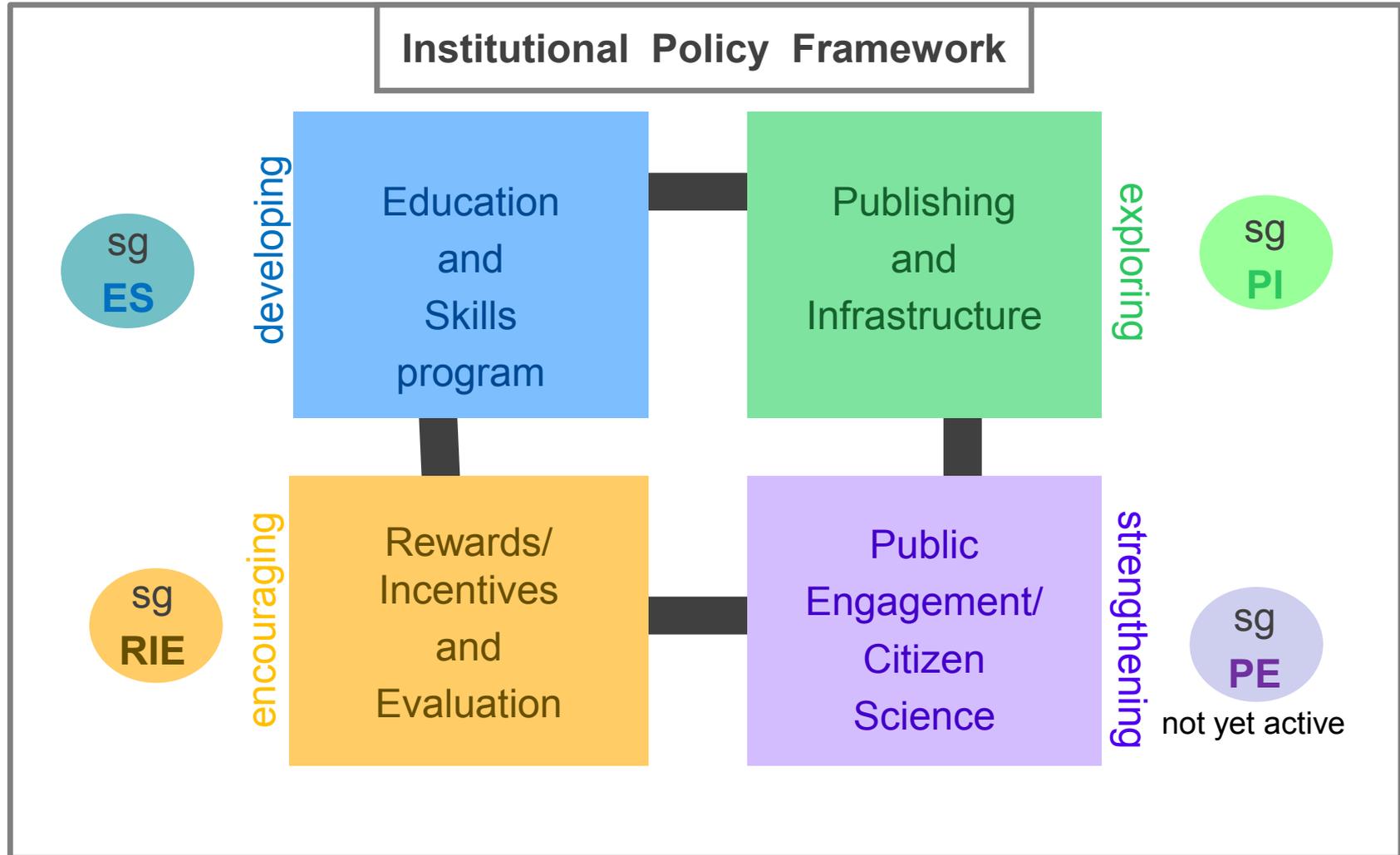
The OSWG includes people by the **System Library** (3), the **International Research units** (2), the **IT services** (2), together with **Researchers** (14) and **PhD students** (3) representing all disciplinary areas of our academic community



The Roadmap pillar



Open Science sub-groups





- ☀️ Mandate policy on full OA publications (by 2021?) and research data (underlying data) resulting from publically funded research
 - also including internal incentives and a reward system – (“*motivators of will!*”- E.Mendez)

- ☀️ Draw up a **Code of Conduct for Research Integrity** (RRI) that makes reference to OS practices and values, based on the principles suggest in the ALLEA Code for RI - reliability, honesty, transparency, full unbiased way...RI in the whole research cycle
 - full trust in science!
 - relevant in the current context of data intensive research (reproducibiliy)

- ☀️ Inclusion of OS dimension in the **University Strategic Plan**. Reference areas
 - Research, Education (OS should become an indicator in the Quality Assurance System)
 - 3rd Mission / Public Engagement / UN SDGs : enhance actions for social, cultural and economic development

- ☀️ Make **OS Literacy obligatory for PhD students** programs



SG Education and Skills

build awareness and competencies



☀️ **Advocacy programme** on benefits of OA/OS approach along its various dimension, tailored on a variety of audience and disciplines aimed at **promoting OS culture**, the shift of agency, with a special focus on Early Career Researchers.

- ✓ On-line courses / brief videos and tutorials
- ✓ workshop and conference / seminars in all departments
- ✓ F2F meetings
- ✓ experiences by way of a game (...**waiting for escape room** 😊)
- ✓ Library**OpenLab**... but also BiOpenLab, LawOpenLab... also with other Institutions (mutual learning process)

☀️ **Specific training** course (Blended) to develop skills **share&re-use**, with regard to scholarly publishing and research data management from basic skills to the ones needed to implement research data curation and management research projects

We don't need to reinvent the wheel! OSXOS

Using advantages of the open approach to make courses on OS: Re-using contents, repackaging them and creating modules customized for our context



☀ Exploring new ways of publishing

- Gold road (DOAJ - No hybrid OA)
- E-publishing journals platform. Set up Tor Vergata OA publishing platform (OJS) including original publications - journals published by the Departments
- **University Press**
only Tor Vergata brand
with other YERUN Universities (increasing visibility and prestige and sharing skills, costs, critical issues)

☀ Including OA principles in negotiations with commercial academic publishers, in primis for Tor Vergata publications (priority legal framework)

☀ Costs analysis on subscriptions and publishing on traditional journals, with special focus on Article Processing Charges (APCs)

- survey on how many articles Tor Vergata produces yearly, how much Tor Vergata spend on publishing - double dipping...



ART: Institutional Repositories '2.0': more research-centric, more functionalities, more levels of interoperability

Pure platform, will be the University Research Portal, the showcase for university research (not as a native repository)

Pure will use **IRIS data**, in order to evaluate also the scientific production of **non bibliometric areas**.

- the University will be able to calculate in an automated way:
 - a) Number of books;
 - b) Number of Articles in scientific journals (lists of scientific journals published by ANVUR);
 - c) Number of book chapters with ISBN;
 - d) Number of articles in class A journals (lists of area class A journals published by ANVUR);
 - e) Patents



CINECA IRIS Institutional Research Information System
IRIS is the IT solution to facilitate the collection and management of data and activities related to research product.

ART - TORVERGATA OA / Homepage

Recent Submissions

Facilitades para los trabajadores estudiantes en Italia

Discover

By collection	Count
Publicazioni	67925
Affiliation	Count
Dipartimento di Biologia	3876
Dipartimento di Biomedicina e pre...	7288
Dipartimento di Diritto Privato	2439
Dipartimento di Diritto Pubblico	2760
Dipartimento di Economia e Finanza	2121
Dipartimento di Fisica	5621



making research data
“*as open as possible, ad closed as necessary*”

Open Data Repository?

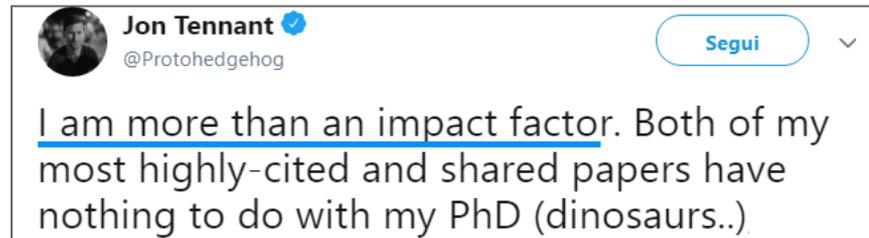
Pilot on open data with PURE (?): voluntary research team (...but also two researchers)

the paradox: using a proprietary platform (and then it's Elsevier) to do Open Science!



Under discussion

Changing rewards system and assessment evaluation



Why should we go beyond the Impact Factor?

From GDP to HDI

- Integrating OS in the HR career in recruitment, performance evaluation, so that researchers are properly recognized and rewarded for practicing OA/OS
- Considering Open Science in the internal research assessment
 - taking into account value and impact of all research outputs (including datasets and software) in addition to research publications
 - testing a range of impact measures including qualitative indicators (next generation of metrics) of research impact (not just JIF, SNIP) such as influence on policy and practice.
 - testing open peer review



Tor Vergata's Roadmap to Open Science

Social Science Experience: *Economics*



OS skills in the Study courses (pilots)

Starting with the next semester **two new experimental projects** will be started in our undergraduate and graduate courses of study:

- the first is scheduled as part of the extra activities in the **MSc in *Business Administration***: 24 hour – 3 credits / introductory course on open science and open access, with compulsory attendance
- the second concerns the BA in ***Economic and Finance***. **The short bachelor thesis will be substituted** by a final paper where the student describes his **documentary work** in his chosen topic. The report, supported by the librarians, will be **focused on the use of reliable open access resources**.



the BiblioVerifica blog is an attempt by librarians to **fight misinformation** by using media and data literacy, **engaging citizens** as awareness users of the social networks, chats and blogs.

BiblioVerifica aims to be a **public engagement project to support public understanding of science**, based on **MIL practices**, implementing tips and tricks about search tools, reliable sources, verification strategies. This initiative promotes **factchecking based on open resources as data, journals, and tools.**

HOW TO SPOT #FAKENEWS @IFLA

RICONOSCERE LE FALSE NOTIZIE



CONSIDERA LA FONTE

Clicca al di fuori della storia e indaga sul sito, i suoi scopi e le info di contatto.



APPROFONDISCI

I titoli possono venire esagerati per attrarre click. Qual è la vera storia?



VERIFICA L'AUTORE

Fai una breve ricerca sull'autore. È plausibile? È reale?



FONTI A SUPPORTO?

Clicca su quei link. Determina se l'informazione data sostiene davvero la storia.



VERIFICA LA DATA

Le notizie vecchie ri-postate non sono per forza rilevanti per l'attualità.



È UNO SCHERZO?

Se è troppo stravagante potrebbe trattarsi di satira. Fai una ricerca sul sito e sull'autore.





Social Observatory for Disinformation and Social Media Analysis



BECOME A MEMBER

INVESTIGATIONS

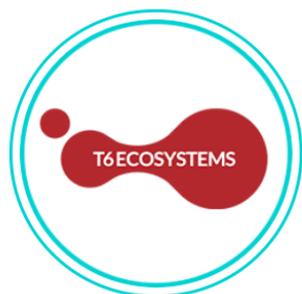
THE OBSERVATORY

RESOURCES

FAQ

ABOUT US

JOURNALISM



T6 ECOSYSTEMS



BIBLIOVERIFICA



DISINFOTE

<https://www.disinfobservatory.org/the-observatory/>

Biblioverifica is just at the beginning, hoping to enlarge and internationalize this *...also with your help!*

Project information

SOMA

Grant agreement ID: 825469

Status
Ongoing project

Start date	End date
1 November 2018	30 April 2021

Funded under:
H2020-EU.2.1.1.

Overall budget:
€ 987 437,50

EU contribution
€ 987 437,50

**HORIZON
2020**

Coordinated by:
ATHENS TECHNOLOGY CENTER ANONYMI
BIOMICHANIKI EMPORIKI KAI TECHNIKI
ETAIREIA EFARMOGON YPSILIS
TECHNOLOGIAS

Greece

Changes at home... but not only!



We are aware that in order to successfully become an “**Open Science University**” we need:

 **Dialogue:** we can't be alone on this journey. We have to **cooperate** with the Italian academic system, Yerun network and the European institutions, also participating in projects funded on the subject

 **Resources:** we need to allocate funds to the Open Science in the University budget and **we have to look for EU funded project** on this area

 **People:** we have to acquire/develop **new professionals** in the university, with expertise on data management (data steward), also in view of Italy's participation in EOSC

 **Involvement:** we need to develop a bottom-up approach, **focusing on the training of doctoral students and young researchers**, who represent the future of research



Thank you!

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