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TURKEYⁱⁿ
HORIZON 2020
COOPERATION, INNOVATION, COMPETITIVENESS

Technical Assistance for Turkey in Horizon 2020 Phase-II
EuropeAid/139098/IH/SER/TR

Exploitation & Open Science in Horizon Europe

General Training Webinar
Odyseas Spyroglou, KE2

Online, 17 Nov 2020

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REPUBLIC OF TURKEY
MINISTRY OF INDUSTRY
AND TECHNOLOGY



COMPETITIVE
& COHESION
PROGRAMME



TÜBİTAK

What is Open Science?

- Open and collaborative ways of producing and sharing knowledge and data as early as possible in the research process.
- New ways of funding, evaluating and rewarding researchers.
- Better quality and impact through reproducibility and interdisciplinarity.
- More efficient : better sharing of resources, more reliable through better verification and more responsive to society's needs

GOALS

1. Public **accessibility** and full **transparency** in process;
2. Public **availability** and **reusability** of scientific data;
3. Transparency in experimental methodology, observation, and collection of data;
4. Complete scientific **collaboration**

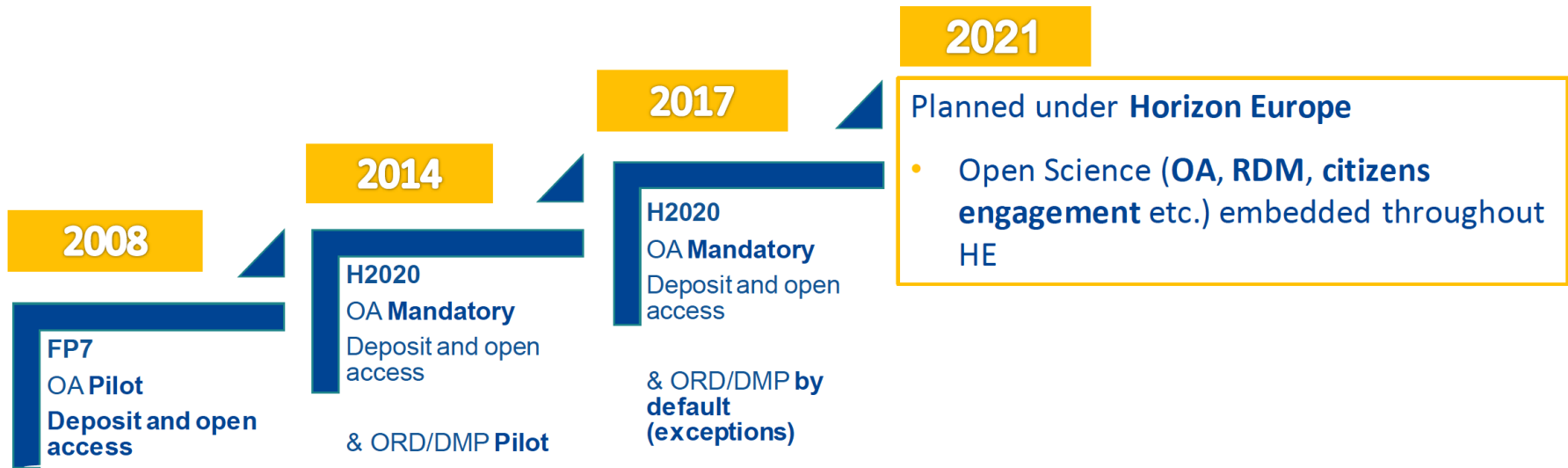
NEEDS

1. Strengthen **dialogue between science and society**;
2. Linking scientists to science **policy making**;
3. Developing proper **e-infrastructures, digital tools** and services for OS;
4. Changing **legal tools** and **policy requirements** for open science.

STEPS

1. Preparing **skilled people** for openness;
2. **Research Integrity**: Demanding a **responsible conduct to researchers**, intrinsic to the values of research and the trust it engenders.

Evolution of Open Science Policy



Ambitions of Open Science

1. **Open Data:** FAIR (Findable, Accessible, Interoperable and Re-usable data) by default for HE.
2. **European Open Science Cloud (EOSC):** a ‘federated ecosystem of research data infrastructures’ to share and process publicly funded research results and data across borders and domains.
3. **New Generation Metrics:** New indicators to complement the conventional KPIs for research quality and impact.
4. **Future of scholarly communication:** peer-reviewed scientific publications freely accessible, and the early sharing of research outputs encouraged.
5. **Rewards:** research career evaluation systems should fully acknowledge open science activities.
6. **Research integrity:** HE to adhere to commonly agreed standards of research integrity.
7. **Education and skills:** scientists must have skills and support to apply open science.
8. **Citizen science:** general public as contributors and science knowledge producers.

What does it mean for Peer-reviewed Scientific Publications

- **Immediate Open Access** through trusted repository (at time of publication);
- Publications licensed under **CC BY** (or equivalent); **CC BY-NC/ND** (or equivalent) allowed for long-text formats; [<https://creativecommons.org/licenses/>]
- Information provided via the repository about any research output, tool, or instrument needed to **validate the conclusions of a publication**;
- **Authors must keep IPR** to comply with OA requirements
- **Metadata in line with FAIR principles** (machine-actionable)
- **Only publication fees in Full Open Access venues are eligible** for reimbursement.
- Provision for physical or digital access to data (or results) needed for validation **OBLIGATORY** (Legitimate interests/concerns must be safeguarded)

What does it mean for Research Data Management (RDM)?

- Emphasis from Open Research Data to **Research Data Management**.
- Establish RDM and **regularly update it**.
- **No Opting out from RDM**. You **MUST** manage data responsibly according to FAIR.
- **As open as possible, as closed as necessary**. (There can be some exceptions).
- Deposit Data in a trusted repository (for some actions in a federated under EOSC)
[\[https://www.eosc-portal.eu\]](https://www.eosc-portal.eu)
- Use CC 0 (public domain) or CC BY (Give Attribution)
- **Metadata in line with FAIR principles** (machine-actionable)
- Costs for RDM (e.g. data storage, processing, preserving) are **eligible**

Open Science in Public Emergencies

- Imposed by **Work Programme** or Requested by **Granting Authority**
- Requirement for **Immediate Open Access** with CC BY or CC 0.
- **Exceptions: legitimate Interests** = Non exclusive license on fair, reasonable conditions to entities that need research to address public emergency

Exploitation & Dissemination in HE

Article 35 or Regulation

Beneficiaries Shall:

1. do their best to **exploit** results it owns, or have them exploited.
2. **disseminate** their **results as soon as it is feasible**.
3. ensure **open access** to scientific publications.
4. manage research data generated in HE in line with **FAIR** principles
5. give **advance notice** to the other beneficiaries when disseminating
6. Prepare and update **PEDR** (Plan for Exploitation, Dissemination of Results).
7. **Provide any information** requested on exploitation/dissemination

Exploitation & Dissemination Activities

1. D&E cuts across full project cycle, until AFTER the end of action.
2. PROPOSAL STAGE: Short description of E&D activities and Impact
3. IMPLEMENTATION STAGE: During first 6 months = complete

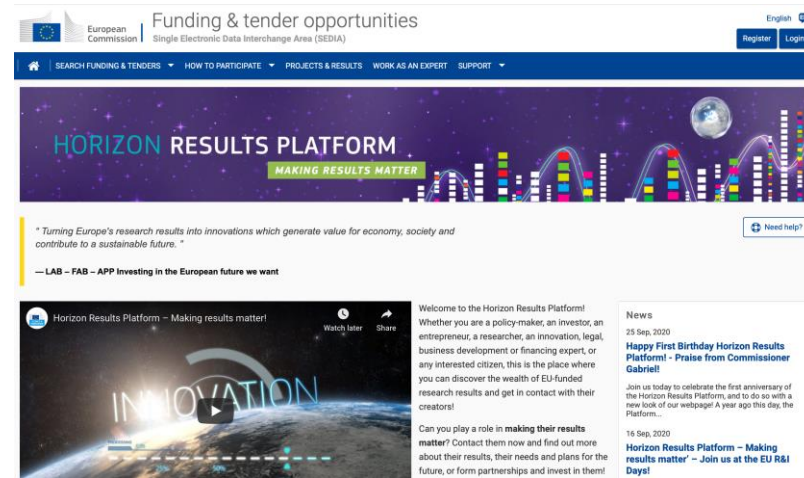
Exploitation, Dissemination & Communication Plan

Obligation to exploit R&I Results

- Best effort approach
- In certain Work Programmes additional exploitation obligations
- Third party exploitation encouraged

If despite the best effort for exploitation no uptake happens within a specific period after the end of the project (1 year), then the project must use the **Horizon Results Platform** to make exploitable results visible (unless obligation is waived)

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/horizon-results-platform>



Follow up on R&I Results

1. BEFORE:

- Better proposal template with more R&I focused subsections

2. DURING:

- Better, more focused D&E reporting (open science, exploitation)

3. AFTER PROJECT END:

1. PROJECT END + 1 year: Exploitation OR Horizon Results Platform for visibility.
2. **Structured Questionnaire** for beneficiaries to report progress, needs, obstacles
3. **Questionnaire part of EC Grant Management System**

IPR in HE: Results Ownership List

1. WHAT ?

- Reporting template with columns (single or joint ownership, country, exploited results, etc.)

2. WHY ?

- Clarification to help promote, speed up, simplify exploitation

3. WHEN ?

1. Last periodic reporting.
2. Follow up after the end of the project

Public Emergency Provision

1. WHY ?

- Ensuring availability of results in crisis (like COVID19)

2. WHAT ?

- Right to request from beneficiary NON-EXCLUSIVE license under fair, reasonable conditions.

3. WHEN ?

- In case of public emergency: Sufficiently serious to threaten EU Security, public order or health.

4. TO WHOM ?

- To legal entities that need results to address public emergency
- Commit rapidly to exploit products and services

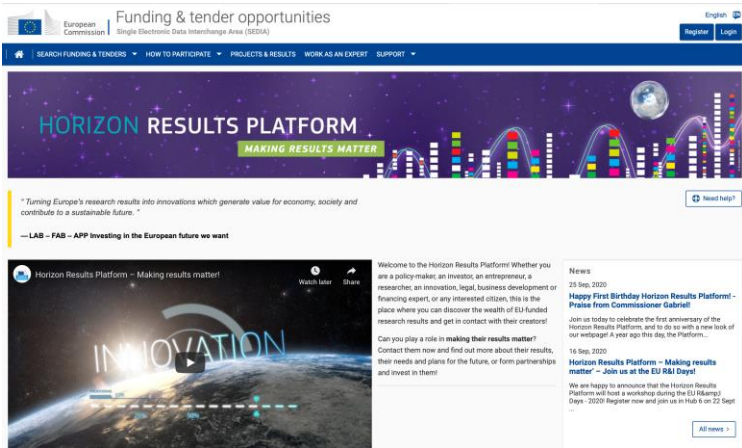
5. FOR HOW LONG ?

- Min=Decided by EC – Max=4 years after end of action

6. FOR WHICH PROJECTS ?

- When Work Programme has additional obligations for Public emergencies.

More Information



1. Open Science Policies
<https://ec.europa.eu/research/openscience/index.cfm?pg=home>
2. Novelties in Horizon Europe MGA Workshop
<https://ec.europa.eu/research/participants/docs/h2020-funding-guide/other/event201009.htm#general-info>
3. Open Science Global Portal (UNESCO)
<http://www.unesco.org/new/en/communication-and-information/portals-and-platforms/goap/open-science-movement/>
4. Open Science (OECD)
<https://www.oecd.org/science/inno/open-science.htm>
5. OpenAIRE project
<https://www.openaire.eu/>
6. HORIZON RESULTS PLATFORM
<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/horizon-results-platform>

Teşekkür ederim!

Thank you!



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