Trinity's Institutional Repository in 2030

a Roadmap in a National and European Open Science Context

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Guiding Questions

- What is Open Science?
- How does Trinity's Institutional Repository (TARA) facilitate research today?
- What are TARA's goals for 2030, and how to get there?

What Is Open Science?

> "***Open science*** *is defined as an inclusive construct that combines various movements and practices aiming to make multilingual* ***scientific knowledge*** *openly available, accessible and* ***reusable for everyone***, *to* ***increase scientific collaborations*** *and sharing of information for the* ***benefits of science and society***, *and to* ***open the processes of scientific knowledge creation***, *evaluation and communication to societal actors* ***beyond the traditional scientific community***."[1]

[1] UNESCO. (2021). UNESCO Recommendation on Open Science. https://unesdoc.unesco.org/ark:/48223/pf0000379949.locale=en

A Short History of Open Science

c.1660 | Academic Journals Born

c.1960- | Rise of For-profit Academic Journals

c.1980- | Serials Crisis

2001 | Budapest Open Access Initiative

2016 | FAIR Principles

2018 | Plan S / cOAlition S

2022 | National Action Plan for Open Research [2]

2030 | TARA Facilitates 100% Open Access at Trinity [3]

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[2] National Open Research Forum (NORF). (2022). National Action Plan for Open Research. doi:10.7486/DRI.ff36jz222

[3] Where possible and as aligned with adopted national and international frameworks.

TARA Today

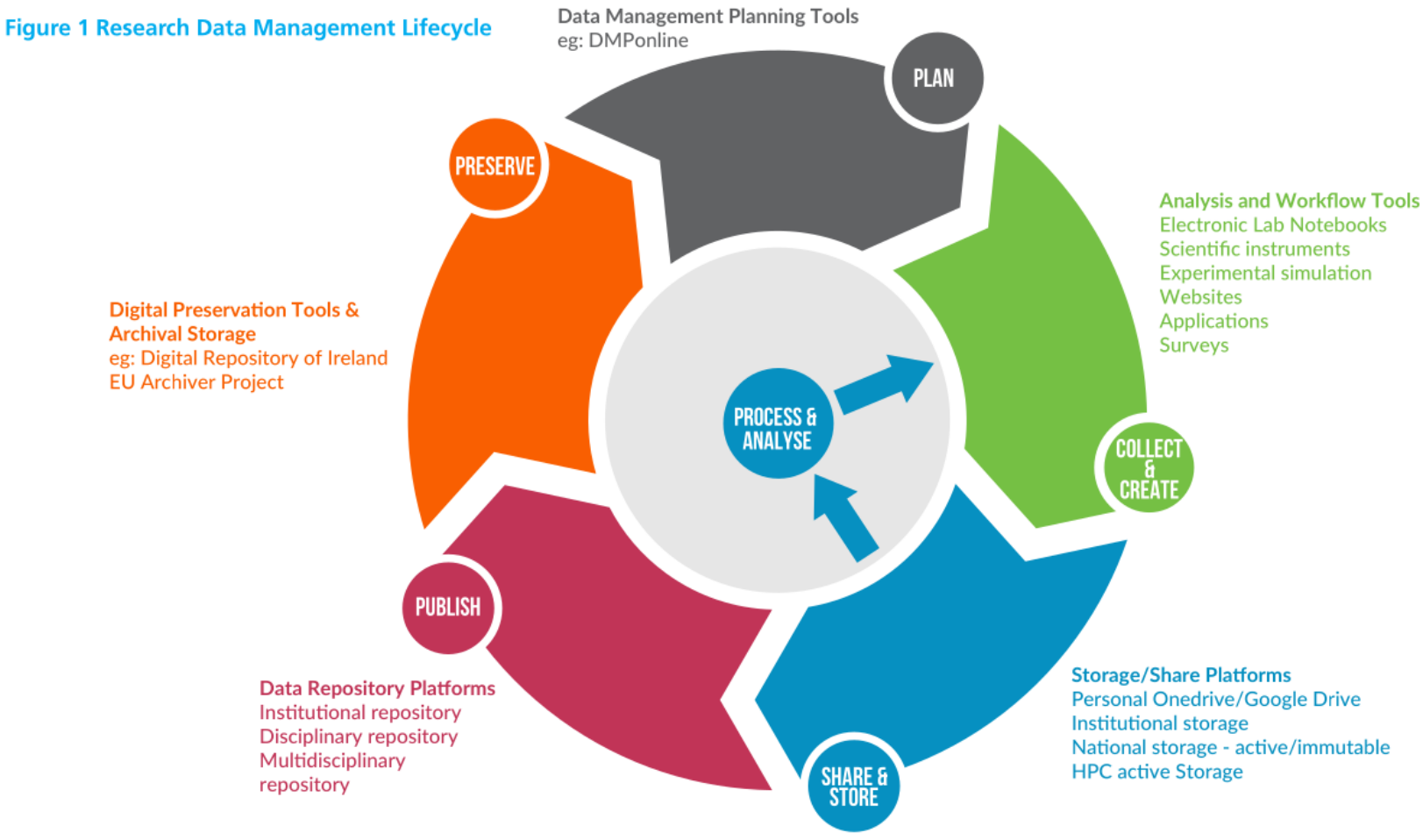

Figure 1: Data Management Lifecycle from Fig 1 in NORF (2022)

TARA Today

- Facilitate Scholarly Communication through Open Science
- Gather, Share and Implement Data Management Best Practices
- Track Socio-economic Benefits of *Applied* Open Science
- Support Digital Publication Needs of the Research Community
- Foster Collaboration within Ireland and Beyond
- Improve, Align, and Connect Digital Infrastructures
- Socialize through Workshops, Courses, Events and Being Around (**Social** Infrastructure!)

TARA Today, Tomorrow

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TARA Today, Tomorrow, 2030

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Iterative Approach To Help Collaborate and Learn

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More Information

TARA Institutional Repository at Trinity College Dublin
https://www.tcd.ie/library/riss/tara/

(Irish) National Open Research Forum (NORF). (2022). **National Action Plan for Open Research.**
https://doi.org/10.7486/DRI.ff36jz222

Plan S / cOAlition S https://www.coalition-s.org/

Wilkinson, et al. (2016). **The FAIR Guiding Principles for scientific data management and stewardship.** Sci Data.
https://doi.org/10.1038/sdata.2016.18

Budapest Open Access Initiative
https://www.budapestopenaccessinitiative.org

Thank you!

For questions/comments/ideas, please do reach out to:

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