Open Access and Research Data Management

RCDM

Camila Lívio, Ph.D. Katie Ireland, Ph.D.

University of Georgia Libraries

April 19, 2024

- New department at the UGA Libraries
- Includes five full-time faculty, with specialties in GIS, Open Access Data and Publishing, Research Data Management, and Digital Scholarship
- Dedicated to supporting research at UGA for all members of the community

- Consultations
- Workshops: Fall Into Research
- Guest lectures

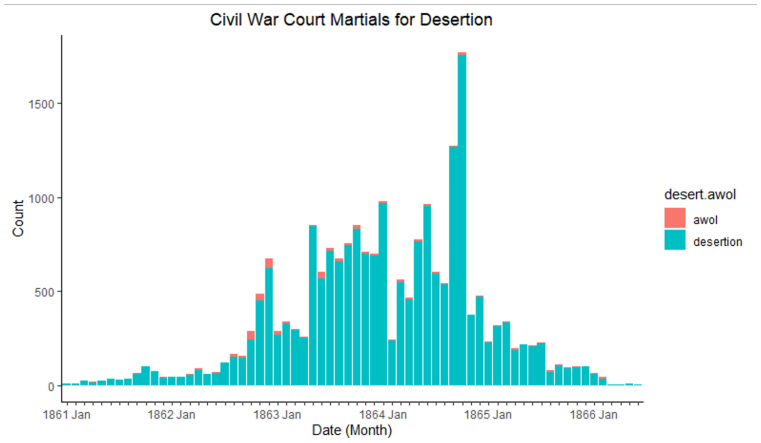


Figure: Data Viz - Civil War Desertions by Keiko Bridwell for Nesbit et al.

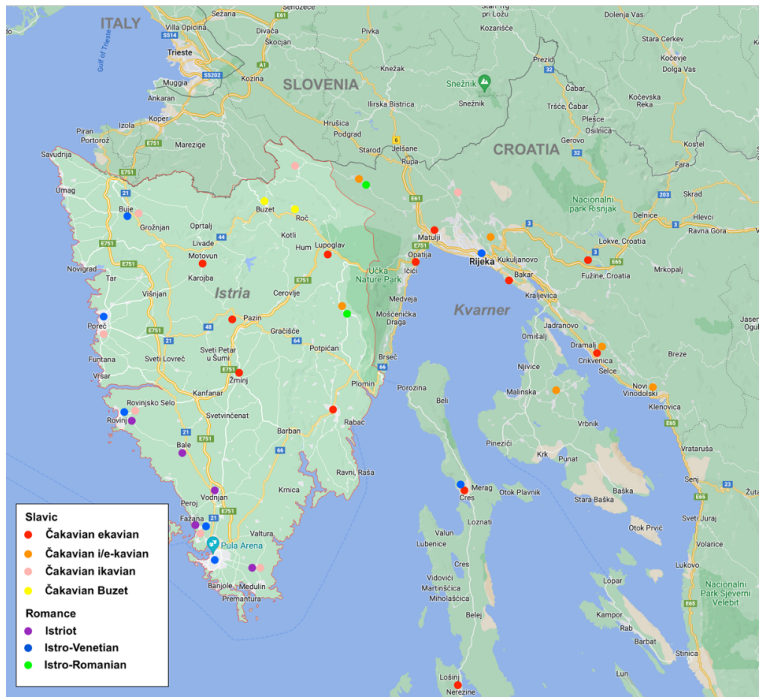
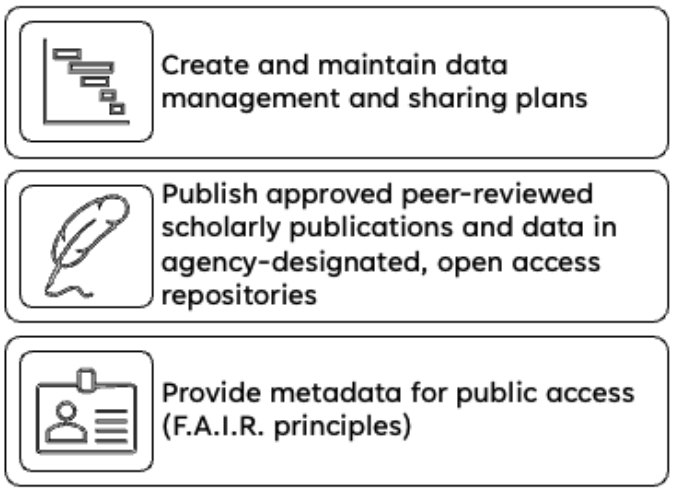


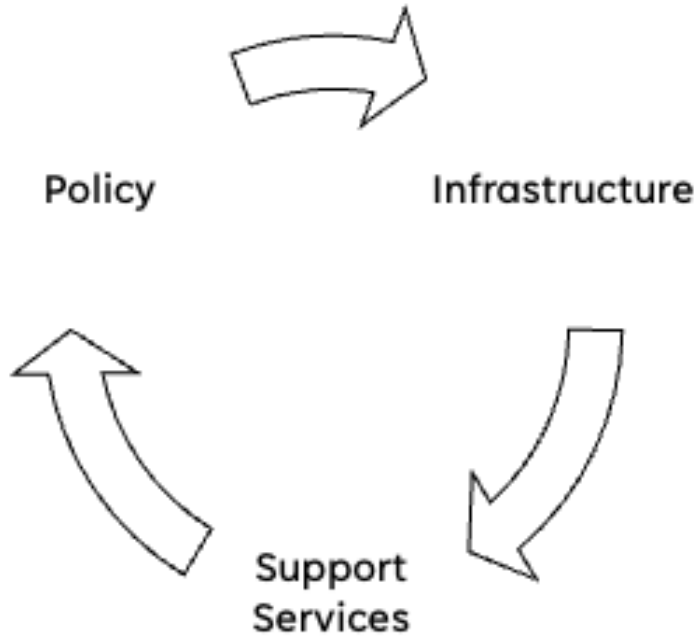
Figure: Data Viz - Map of Slavic and Romance languages by Keiko Bridwell for Langston et al.

- Hypothesis testing
- Data transformation
- Mapping & Visualizing data
- Research Data Management
- (Open) software
- Open Research
- How/Where to communicate my research
- Publishing
- Topics in data science and AI

- Changing Research Compliance Landscape
- US Federal Administration is moving the needle on funding agency policies to facilitate open access
- Concerns also involve information security and handling sensitive data

- New expectations for researchers





- DMP Tool
- NYU Libraries Data Management Plan
- The Turing Way

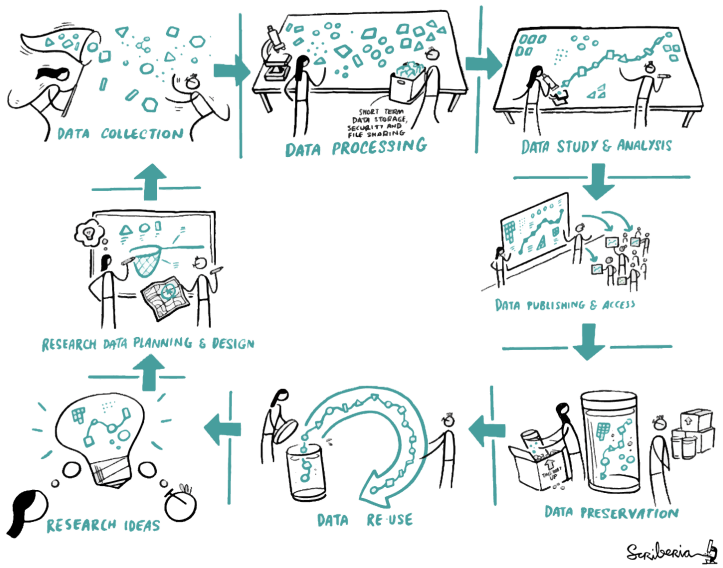
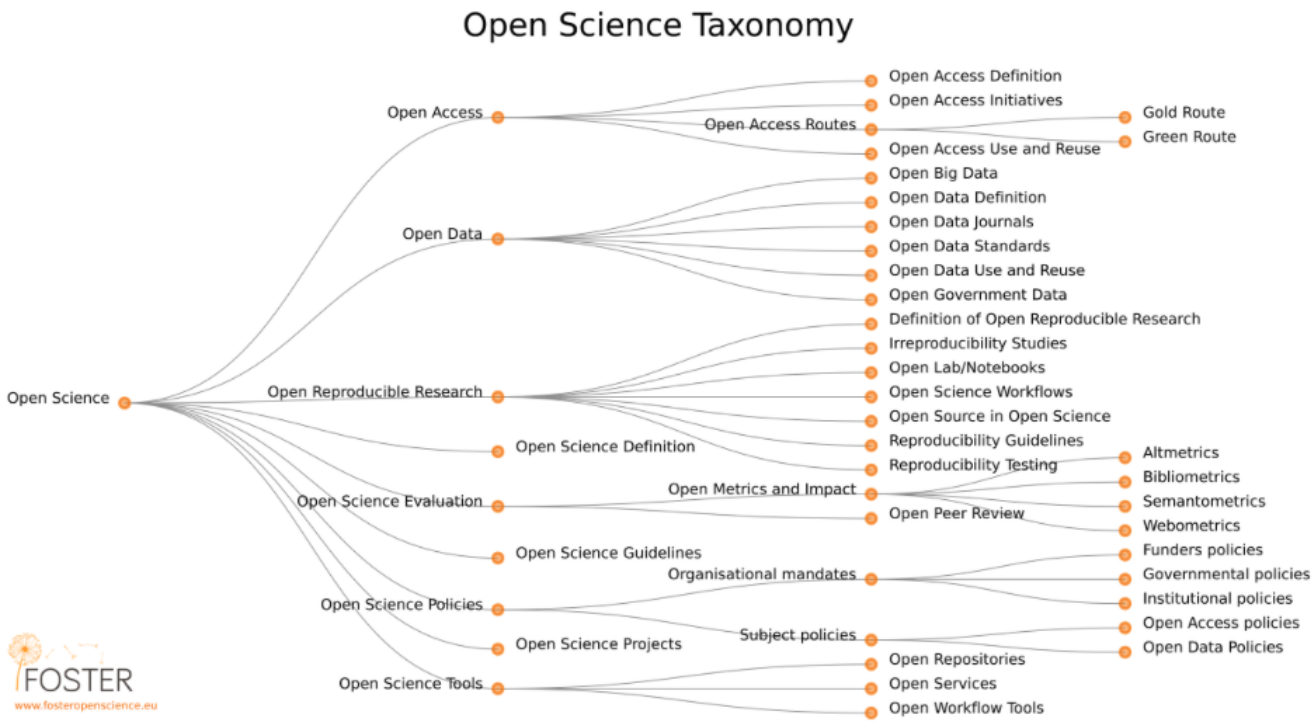


Fig. 4 The Turing Way project illustration by Scriberia. Used under a CC-BY 4.0 licence. DOI: 10.5281/zenodo.3332807.

Open Research

- "In a nutshell, Open Science is transparent and accessible knowledge that is shared and developed through collaborative networks (Vicente-Sáez & Martínez-Fuentes 2018)"



Pontika et al. (2015)

- International movement that seeks to grant free and open online access to academic information, such as publications and data
- OA research is **free to read** and **free to re-use**
- Appropriate attribution
- Most research outcomes in universities are publicly funded, therefore...
- ...Everybody should be able to access such research findings

- **1991**: arXiv
- **1995**: Rising costs of acquiring scholarly literature lead to a burden on the acquisition budgets of scholarly libraries
- **1999**: Biomed Central (BMC), the first open access publisher, is founded
- **2001**: First version of the Open Archive Initiative Protocol for Metadata Harvesting
- **2002**: Budapest Open Access Initiative (BOAI): "the literature that should be freely accessible online is that which scholars give to the world without expectation of payment"
- **2004-2009**: Open Access infrastructure grows: OpenDOAR, Sherpa Juliet
- **2013**: The catch-all repository Zenodo is launched
- **2022**: The Nelson memo

History of the Open Access Movement

OA timeline, by Open Access Network, a German-based group dedicated to Open Science in Europe

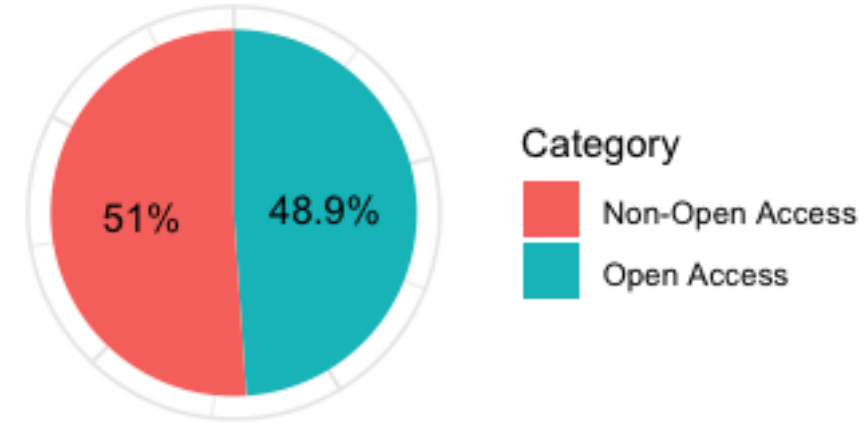
Why:

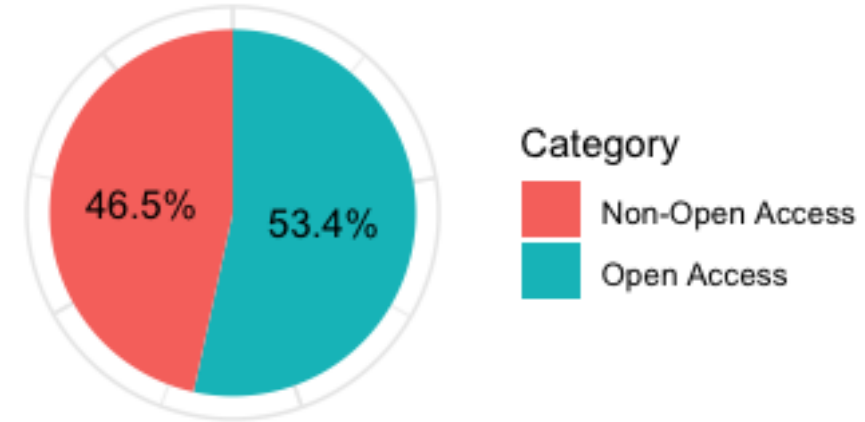
- Comply with funding agency requirements. Increasingly, funders use OA policies to ensure that the public is not made to pay both to create and to read research
- Increases visibility of your research by reaching a broader audience, including those who would not otherwise be able to find or afford access through journal subscriptions
- Allows other to share, reuse, and build upon your research, accelerating the circulation of ideas and advancing the progression of knowledge and culture
- Increases citation

OA @ UGA

- Based on affiliation
- APCs & discounts
- Transformative Agreements
- Scholarly Communications web page for existing agreements
- Some examples: Cambridge University Read & Publish, Wiley Read & Publish, Association for Computing Machinery, Institute of Physics, etc.
- ScholarWorks (institutional repository)

Open Access at UGA





Source: OpenAlex.org

Open Research Practices

- How open is the peer review?
- Is the underlying data made openly available?
- Is it searchable?
- Is it able to be linked to on the web?
- Can people find it?
- Can people use it?
- Is the sponsorship of the underlying research disclosed in a clear and concise way?
- Resource: The Open Science Training Handbook

Contact us!

researchdata.uga.edu