![ISTSS logo — International Society for Traumatic Stress Studies](image)

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Atlanta Marriott Marquis

#ISTSS2022

How and Where to Share Data

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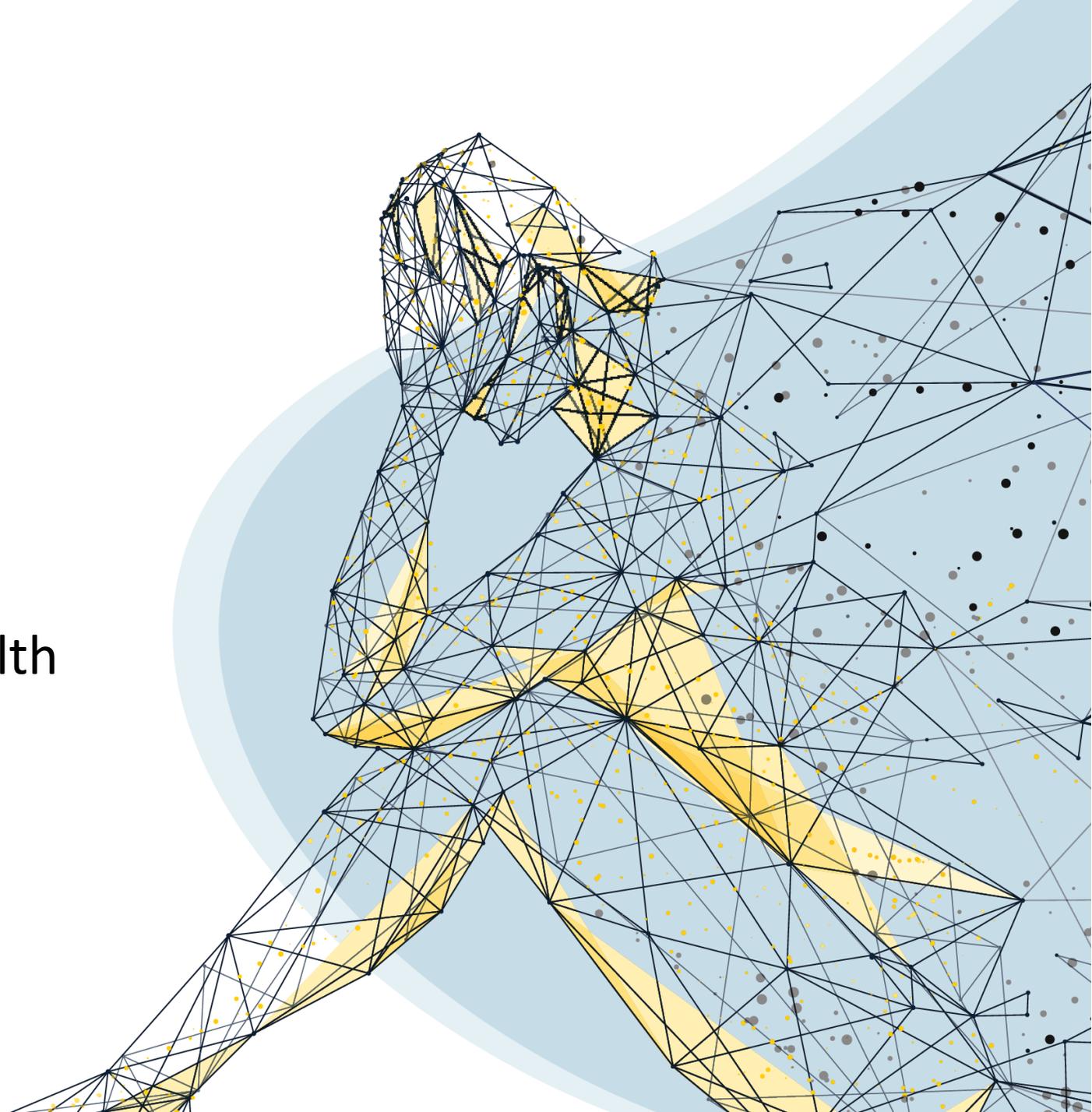
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I, Bryce Hruska, have no commercial relationships to disclose.
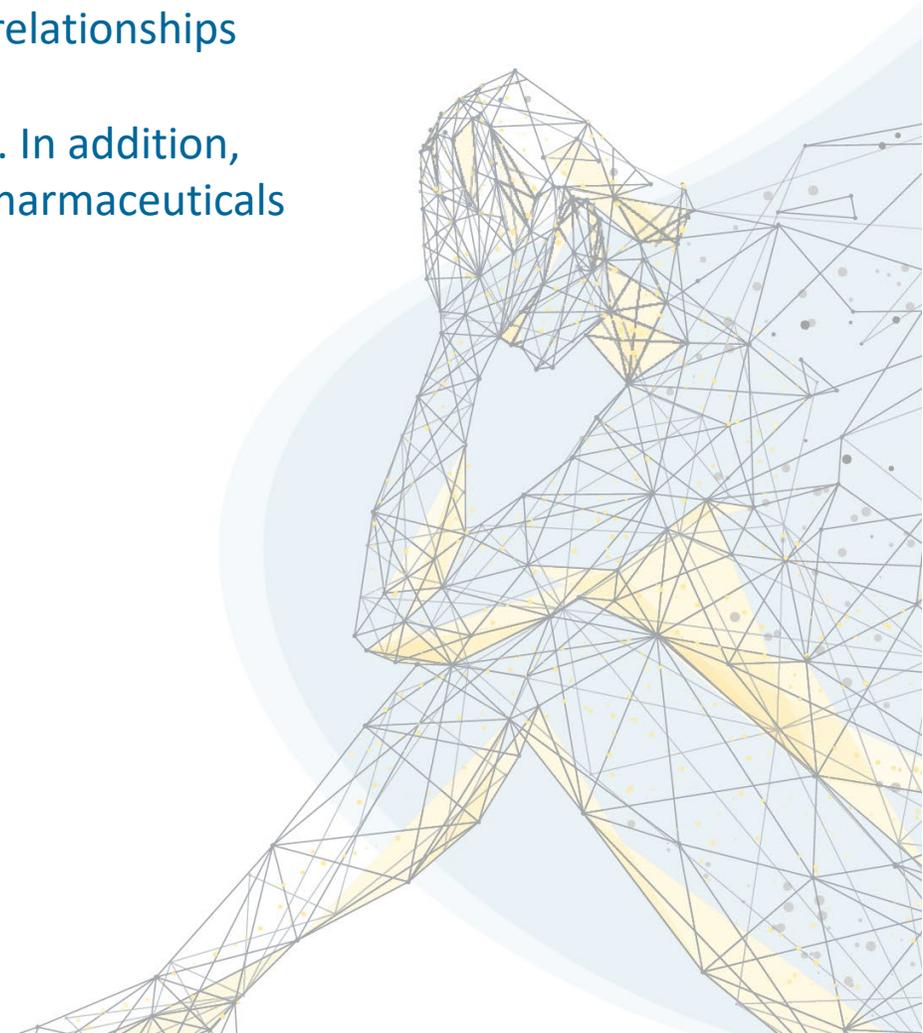
Why Share Data?

Funding Mandates

Final NIH Policy for Data Management and Sharing

Notice Number:

NOT-OD-21-013

Effective Date: January 25, 2023

"…This Policy established the requirements of submission of Data Management and Sharing Plans and compliance with NIH Institute, Center, or Office (ICO)-approved plans."

Starting in January 2023, all applications for research projects that generate scientific data will be required to include a <u>plan</u> and <u>budget</u> describinghow data will be <u>managed</u> and <u>shared</u>

Funding Mandates (cont.)

New elements in Horizon Europe

- **European Innovation Council**: Support for innovations with potential breakthrough and disruptive nature with scale-up potential that may be too risky for private investors. This is 70% of the budget earmarked for SMEs.

- **Missions**: Sets of measures to achieve bold, inspirational and measurable goals within a set timeframe. There are 5 main mission areas as part of Horizon Europe.

- **Open science policy**: Mandatory open access to publications and open science principles are applied throughout the programme
  Factsheet: Open science in Horizon Europe EN ●●●

- **New approach to partnerships**: Objective-driven and more ambitious partnerships with industry in support of EU policy objectives

> Horizon Europe greatly expanded open science requirements for funded research projects

Publisher Requirements/Encouragement

European Journal of Psychotraumatology

"...Authors are required to make data and materials supporting the results or analyses presented in their paper freely available...If the data cannot be made open, we recommend it is still preserved in a FAIR-compliant repository.

Psychological Trauma: Theory, Research, Practice, and Policy

"Articles are eligible for open science badges recognizing publicly available data, materials, and/or preregistration plans and analyses."

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"[JTS] requires, as a condition for publication, that the data supporting the results in a paper will be archived in an appropriate public repository. Authors are required to provide a data availability statement, including a link to the repository they have used, and to cite the data they have shared..."

Publishing Opportunities

Taylor & Francis
an **informa** business

Data notes are a short peer-reviewed **article type** that concisely describe **research data** stored in a **repository**. They increase the discoverability and transparency of your research, helping to comply with funder mandates on data sharing and make data FAIR (findable, accessible, interoperable and reusable).

Publishers are offering new types of citable publications that provide the opportunity to describe and share data you have collected

How to Share Data?

1) Data Repositories

- **Storage spaces that provide researchers with a place to deposit and share the data associated with their research**

Data repositories provide way to <u>preserve</u> your work, <u>share</u> it with other researchers, and increase its <u>re-use</u> to further science

Plan

Collect

Process

Analyze

Preserve

Share

Re-use
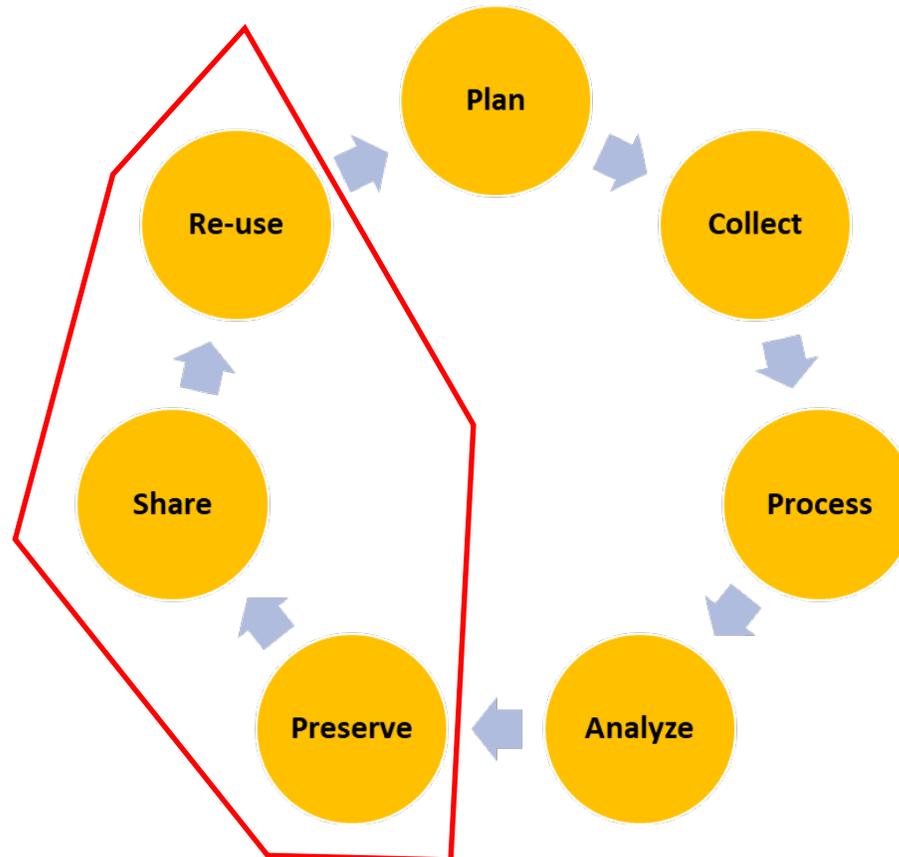
Most research projects end with data analysis and publication

Subject-Specific

Cross Disciplinary

Academic

UNSW SYDNEY — UNSW Data Archive

eCommons
Open scholarship at Cornell

Boston University Libraries
OpenBU

Government Sponsored
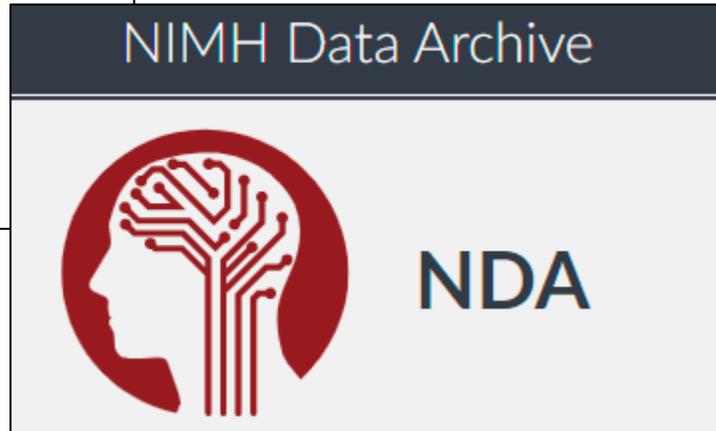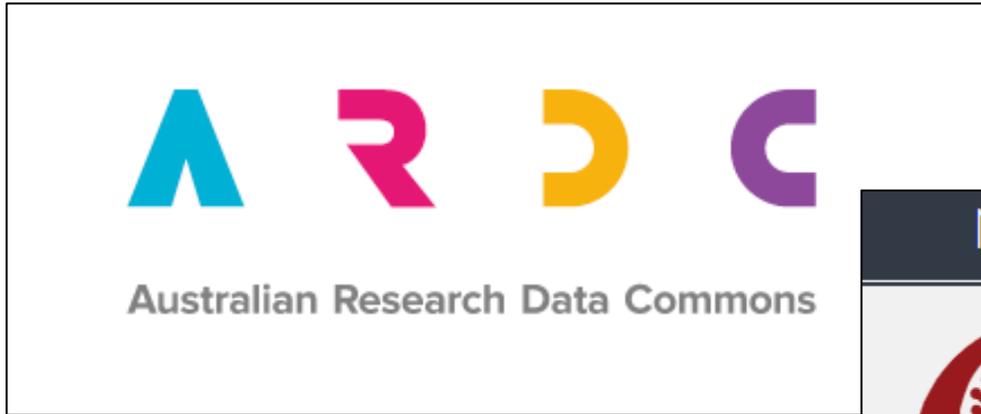
2) Unique Persistent Identifiers

- **Sequence of letters and numbers that are one-of-a-kind**

- <u>Digital object identifiers (DOIs)</u> are one of the most common

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RESEARCH ARTICLE | 🔓 Open Access | (cc) (i) (=) (S)

Examining well-being in posttraumatic stress disorder treatment: An explorative study

Mirjam Radstaak ✉, Laura Hüning, Sanne Lamers, Ernst T. Bohlmeijer

First published: 19 February 2022 | https://doi.org/10.1002/jts.22798

Incorporating Community-Level Risk Fa...   Files   Wiki   Analytics   Registrations

217.5KB   Public   ⅂ 0   •••

Incorporating Community-Level Risk Factors into Traumatic Stress Research

Contributors: Bryce Hruska, maria pacella, Ivan Castro, Richard L. George, Douglas L. Delahanty

Date created: 2020-02-18 04:00 PM | Last Updated: 2022-01-13 10:05 AM

Identifier: DOI 10.17605/OSF.IO/M2SAV

Category: ✎ Methods and Measures

Description: *This project contains R scripts that can be used to create census tract-level measures of community socioeconomic conditions (Neighborhood Deprivation Index: Messer et al., 2006) and social spatial polarization (Index of Concentration at the Extremes: Krieger et al., 2016). Users are referred to Hruska et al. (2020) for more information. Questions pertaining to the materials in this project can be sent to bjhruska@syr.edu*

3) Metadata

- **Information that describes your data**

- <u>**At a minimum**</u>: A title, list of authors, and brief description of your data are required in most repositories

nature

Without appropriate metadata, data-sharing mandates are pointless

Funders and investigators must demand appropriate metadata standards to take data from foul to FAIR.

Mark A. Musen
Professor of Biomedical Informatics and Biomedical Data Science at Stanford University

Be sure to include a <u>codebook</u> and any <u>supporting materials</u> needed to understand your dataset and its structure

Recap

- **How to share data?**
  - Place it in a **data repository**
  - Attach a **unique persistent identifier (e.g., DOI)** to it
  - Include sufficient **meta-data** to make it re-usable

Selecting an appropriate data repository is key

Where to Share Data?

Data Repository Considerations

- Most data repositories support DOI creation/attachment and allow for uploading documentation containing meta-data

- **1) Sustainability**
- **2) Deposit options available (free vs. paid)**
- **3) Visibility**
- **4) Restricted access capabilities**

Open Science Framework

- Non-profit founded in 2013 and supported by grants from federal agencies, private foundations, and commercial entities
- <u>Free</u>: Limited to 5GB private / 50GB public storage space
- Allows for generation of unique URL in addition to DOI
- Restricted access dependent upon user

- **<u>Emphasizes</u>: Serving as a "home base" for projects across the research data life cycle**

Inter-university Consortium for Political and Social Research

ICPSR

- International consortium at the University of Michigan founded in 1962 and supported by membership dues, grants, and paid workshop offerings
- Offers 2 deposit options:
  - <u>Free</u> self-deposit for via openICPSR
  - <u>Fee-based</u> that includes curation services
- Materials are discoverable in online public access catalogs
- Restricted access services available -- <u>curated deposit only</u>

- **<u>Emphasizes</u>: Support and education on data preparation and sharing**

Figshare

- Commercial company founded in 2011 and owned by Digital Science, the company that created Altmetrics
- Offers 2 ways deposit:
  - Self-deposit for <u>free</u> (20GB)
  - Self-deposit for <u>fee</u> via Figshare+ for larger projects
- Materials are discoverable via Google, Data Citation Index, DataCite, DataMed, Dimensions, etc.
- Restricted access services available – <u>institutional members only</u>

- **<u>Emphasizes</u>: Discoverability of deposited materials**

Dataverse Project

- Sponsored by the Institute for Quantitative Social Science at Harvard University beginning in 2007 (formerly Virtual Data Center – 1997-2006) and funded by Harvard University and grant support

- Offers 2 deposit options:
  - Self-deposit for <u>free</u> using Harvard's affiliated repository (Harvard Dataverse; 1TB)
  - Self-deposit for <u>free</u> at your institution if it has created a repository using the Dataverse software

- Materials are discoverable via Google and other repositories, data exploration tools, etc.

- Restricted access services available

- <u>**Emphasizes**</u>: **Adoption of its software by academic institutions**

Resources

- **Sherpa/Juliet**
  - https://v2.sherpa.ac.uk/juliet/
  - Database of funder policies regarding data sharing
- **FAIRsharing.org**
  - https://fairsharing.org/
  - Hub for information on journal/society/organization data sharing standards, policies, repositories, etc.
- **Registry of Research Data Repositories (Re3data)**
  - https://www.re3data.org/
  - Database of repositories
  - Over 1,500 listed

- **Open Science Framework**
  - https://osf.io/
- **Inter-university Consortium for Political and Social Researc**
  - https://www.icpsr.umich.edu/ .
- **Figshare**
  - https://figshare.com/
- **Dataverse Project**
  - https://dataverse.org/

Questions?

- **Bryce Hruska (bjhruska@syr.edu)**

- Please visit the Global Collaboration on Traumatic Stress's website for more information and FAIR data resources (**https://www.global-psychotrauma.net/fair**)