FAIRPoints

FAIRPoints Launch Event

2022-01-28

Housekeeping

Stay on mute! 🔇

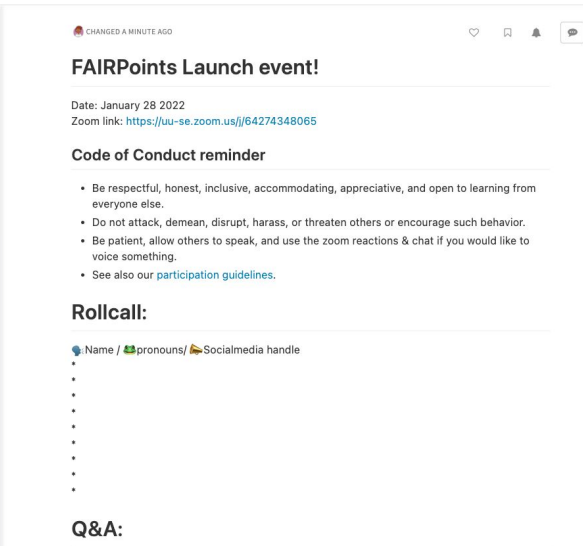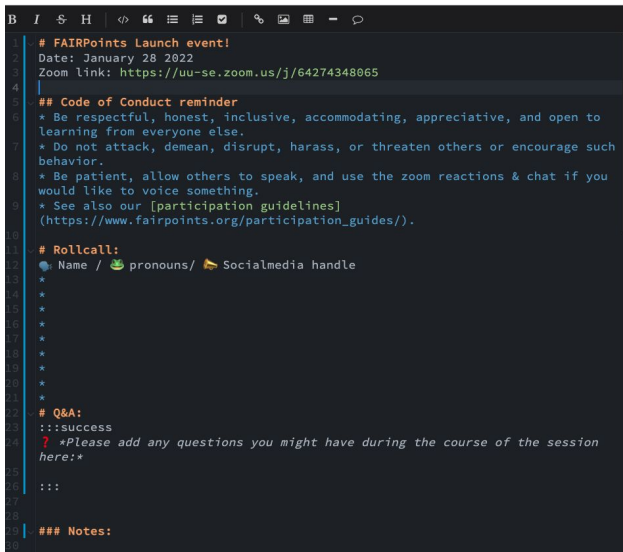Raise your /hand ✋

Notes are for you ✍️

Code of conduct 📖

Welcome!! 🎉

Notes: https://hackmd.io/@selgebali/FAIRPoints_1/edit

Slides: shiny.link/bGCYQI

Code of Conduct reminder

- Be respectful, honest, inclusive, accommodating, appreciative, and open to learning from everyone else.
- Do not attack, demean, disrupt, harass, or threaten others or encourage such behavior.
- Be patient, allow others to speak, and use the zoom reactions & chat if you would like to voice something.
- See also our participation guidelines.

How did it all start?

Library Carpentry: FAIR Data and Software

FIXME: home page introduction

📌 **Under Design**

This lesson is currently in its early design stage; please check **the design notes** to see what we have so far. Contributions are very welcome: we would be particularly grateful for exercises and for commentary on the ones already there.

❋ **Prerequisites**

FIXME

Schedule

	Setup	Download files required for the lesson
00:00	1. Introduction	What does the acronym "FAIR" stand for, and what does it mean? How can library services contribute to FAIR research?
00:00	2. Findable	What is a persistent identifier or PID? What types of PIDs are there?
00:00	3. Accessible	Key question

https://librarycarpentry.org/lc-fair-research/

THE CARPENTRIES

FAIR Points is in response to the rapidly evolving landscape of FAIR.

Provides a dynamic, flexible, inclusive and approachable resource for the community.

How to **FAIR**?

No really, HOW??

What do we do about it? FAIRPoints

Monthly Community Discussions

Create a diverse community:

- Discussions to share experiences and knowledge
- Identifying solutions
- Producing output (e.g. Designing of machine-actionable training material)

Monthly meeting: **discussions + working groups**

Monthly Events

Outreach and raising awareness:

- Monthly events highlighting the latest conversations on FAIR implementation solutions with **keynote** speakers
- Mini-sprints creating bite-sized, small "points" of findable, accessible, interoperable, and reusable content that can help you **FAIRify** your work.

Monthly event: **speaker + "mini-sprint"**

Sign-up: <u>shiny.link/Jl6nuV</u>

FAIR points

A more dynamic resource...

- Provide framework for FAIR conversations
- Invite experts to speak on FAIR topics
- Collaborative note taking, Q&A
- Develop top things/simple rules
- Publish conversation summary, things/rules as FAIRPoints

... FAIRPoints can be an evolving resource for the community to draw from.

What are we looking for?

Concrete examples of FAIR implementation

FAIR Workflows

Current Challenges:
- Define FAIR principles for computational workflows that consider the complex lifecycle from specification to execution and data products
- Define metrics to measure the FAIRness of a workflow.
- Engage the community to define principles, policies, and best practices

Proposed Community Activities
- Review prior and current efforts for FAIR data and software with respect to workflows, and outline rules for FAIR workflows
- Define recommendations for FAIR workflow developers and systems
- Automate FAIRness in workflows by recording necessary provenance data
- Workflows Community Initiative: https://workflows.community/

"Workflows encode the methods by which the scientific process is conducted and via which data are created.
It is thus important that workflows both support the creation of FAIR data and themselves adhere to the FAIR principles."

R. F. da Silva *et al.*, "A Community Roadmap for Scientific Workflows Research and Development," *2021 IEEE Workshop on Workflows in Support of Large-Scale Science (WORKS)*, 2021, pp. 81-90, doi: 10.1109/WORKS54523.2021.00016.

Climate Research

Current challenge: How to trace and identify different versions and subsets of data in highly dynamic datasets?

How do we ensure the provenance of datasets in an article?

Data Superset Citation: to give credit to the data creators and to provide statistics on data usage in literature

Data Subset Citation: used for the identification of the part of the data underlying an article

CMIP6 Data Citation of Evolving Data

Authors: Martina Stockhause ✉, Michael Lautenschlager

Abstract

Data citations have become widely accepted. Technical infrastructures as well as principles and recommendations for data citation are in place but best practices or guidelines for their implementation are not yet available. On the other hand, the scientific climate community requests early citations on evolving data for credit, e.g. for CMIP6 (Coupled Model Intercomparison Project Phase 6). The data citation concept for CMIP6 is presented. The main challenges lie in limited resources, a strict project timeline and the dependency on changes of the data dissemination infrastructure ESGF (Earth System Grid Federation) to meet the data citation requirements. Therefore a pragmatic, flexible and extendible approach for the CMIP6 data citation service was developed, consisting of a citation for the full evolving data superset and a data cart approach for citing the concrete used data subset. This two citation approach can be implemented according to the RDA recommendations for evolving data. Because of resource constraints and missing project policies, the implementation of the second part of the citation concept is postponed to CMIP7.

http://doi.org/10.5334/dsj-2017-030

Upcoming events

Step by step publishing - ResearchEquals.com

Open source publishing platform to make all their research outputs **f**indable, **a**ccessible, **i**nteroperable, and **r**eusable.

Join our event in **February**

Speaker: **Chris Hartgerink**

Event series sign-up:
shiny.link/Jl6nuV

Publish each step

You produce outputs at every research step. Why let vital parts go unpublished?

Publish your text, data, code, or anything else you struggle to publish in articles.

Harmonising FAIR data sharing with Legal Compliance

While FAIR has encouraged making data discoverable, accessible, and reusable, privacy and data protection laws (e.g. GDPR) regulate how personal data is shared responsibly.

This talk explores the intersection between the two concepts including;

- How to utilise **FAIR metadata** to ensure data is shared and used legally while also increasing its reusability?
- What can FAIR principles do for **improving** how we deal with legal **compliance**?

Join our event in **March**

Speaker: **Harshvardhan J. Pandit**

Event series sign-up:
shiny.link/Jl6nuV

Who is it for?

- Researchers
- Data Stewards
- Librarians
- Research Data Managers

- Information specialists
- Publishers
- Higher education representatives
- Software engineers/developers
- Data protection
- Research engineers

Everyone!!!

FAIR practices from a global perspective

Our goal is to include diverse voices, make FAIR accessible to a broader audience, connect and collect heterogeneous input from a **global perspective**, support **equitable** access, provide for many languages, and work towards advancing FAIR globally.

Visit our website: https://www.fairpoints.org/

FAIRPoints

The event series highlighting pragmatic measures developed by the community towards the implementation of the FAIR (Findable, Accessible, Interoperable, Reusable) data principles.
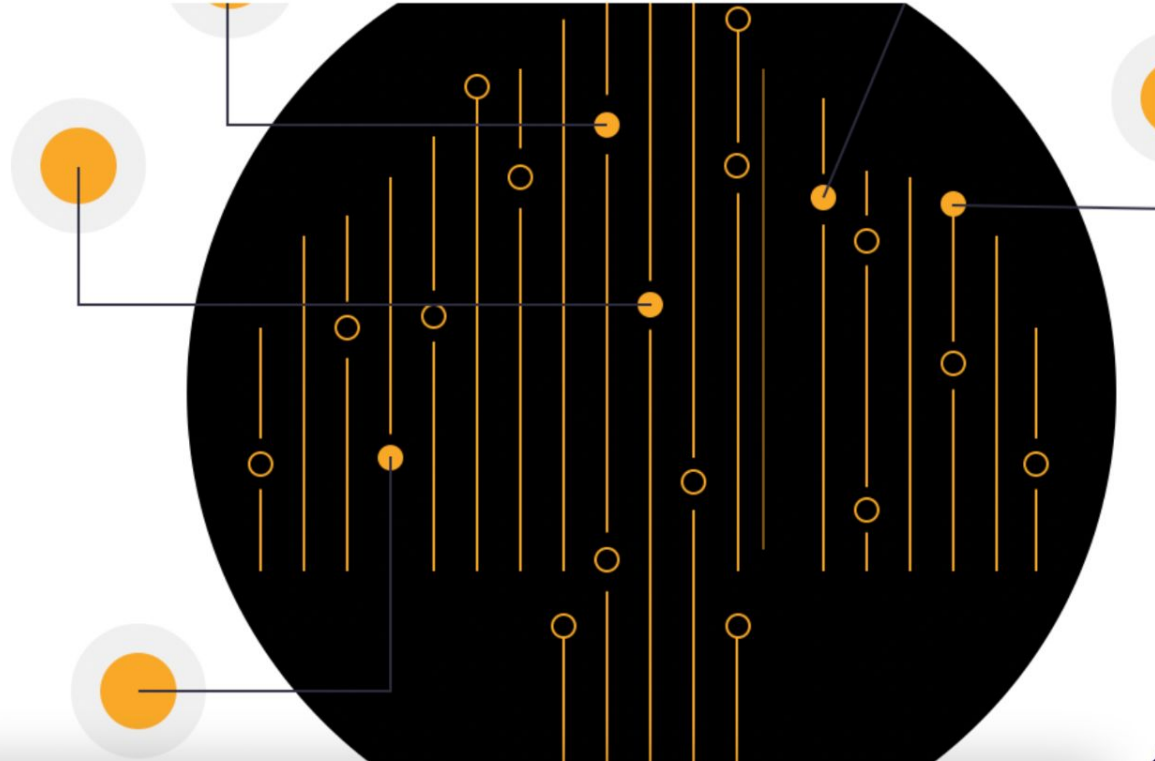
Email:
fairpoints@protonmail.com
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CONTACT

Join the conversation!

Website: **https://www.fairpoints.org/**

Sign-up to event series: **shiny.link/Jl6nuV**

Twitter: **@FAIR_Points**

Slack: **shiny.link/F71wE**

Meet the
Team

Join us:
**shiny.link/
Jl6nuV**

Breakout rooms

1: FAIR-Jargon; in your opinion, which terms, concepts and/or phrases commonly used in FAIR discussions that need more definition? Nabil

2: FAIR-Easier said than done? In your opinion, what challenges are encountered or anticipated along the implementation trajectory of FAIR? Led by Katie

3: FAIR is a set of guiding principles, do you have examples for practical implementation choices that are being made within your community of practice? Jo

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Next steps...

Monthly Community Discussions

Monthly events
- February: Step by step publishing - ResearchEquals.com
- March: Harmonising FAIR data sharing with Legal Compliance

Sign-up shiny.link/Jl6nuV

FAIR oints