

FAIRPoints

The event series highlighting pragmatic measures developed by the community towards the implementation of the FAIR (Findable, Accessible, Interoperable, Reusable) data principles.



<https://www.fairpoints.org/>



FAIR principles

[Open Access](#) | [Published: 15 March 2016](#)

The FAIR Guiding Principles for scientific data management and stewardship

[Mark D. Wilkinson](#), [Michel Dumontier](#), [...] [Barend Mons](#) 

[Scientific Data](#) **3**, Article number: 160018 (2016) | [Cite this article](#)

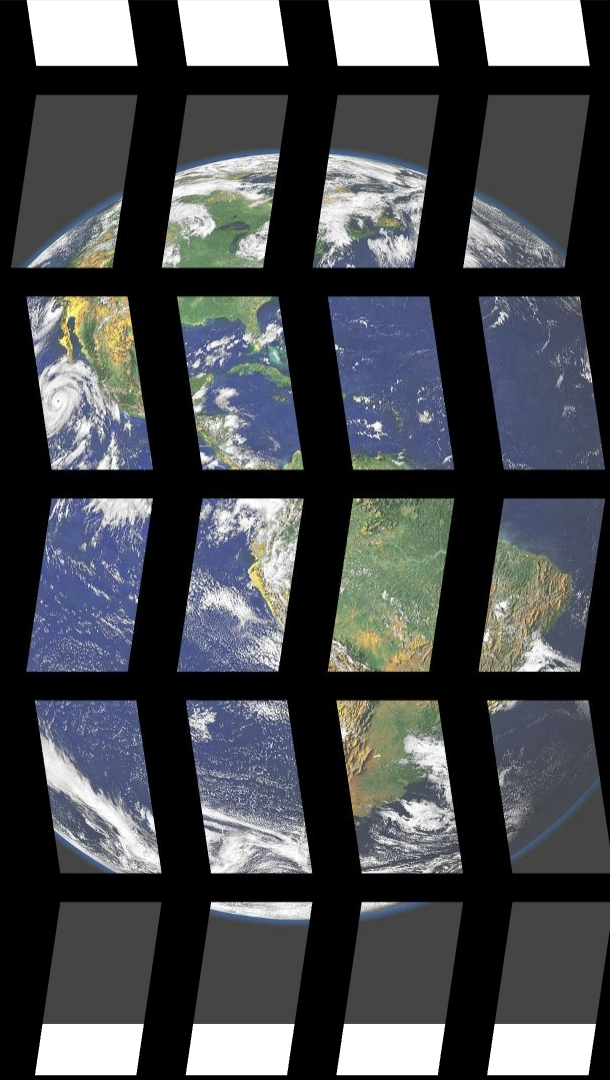
355k Accesses | **2966** Citations | **1912** Altmetric | [Metrics](#)

 An [Addendum](#) to this article was published on 19 March 2019

Abstract

There is an urgent need to improve the infrastructure supporting the reuse of scholarly data. A diverse set of stakeholders—representing academia, industry, funding agencies, and scholarly publishers—have come together to design and jointly endorse a concise and measurable set of principles that we refer to as the FAIR Data Principles. The intent is that these may act as a guideline for those wishing to enhance the reusability of their data holdings. Distinct from peer initiatives that focus on the human scholar, the FAIR Principles

FAIR
is
Global



Microgrants covering:

- Internet access
- Power! Electricity
- Electronics for audio/visual participation e.g. (headset, webcam).
- Office space/desk rentals
- Childcare

Other:

- Empower and uplift
- Provide a safe space free from harassment
- Support different forms of participation, verbal/written
- Translations
- Recordings

FAIRPoints Overview

- Community discussions and events:
 - <https://www.fairpoints.org/events/>
- Podcasts:
 - <https://podcast.polyneme.xyz/episodes>
 - <https://www.researchspace.com/fair-data-podcast>
- Projects:
 - Forum
 - FAIR4Beginners
 - FAIRPoints Google Cards
 - FAIR Signposting



FAIRPoints 'Ask me Anything' (AMA) Events

A series of "Ask Me Anything"-style events with subject matter experts from **RDA**, **EOSC**, **FAIRDigital Objects Forum** and **community members**!!

Exploring 5 themes:

- Identifiers ✓
- FAIR software and Workflows ✓
- Machine Actionability - ✓
- The Hugging Face - ✓
- Equitable and Transparent Access to Information and Knowledge

📍 Register <https://shrtco.de/wTIU8l>



<https://www.rd-alliance.org/>



European Open Science Cloud Future
<https://eoscfuture.eu/>

FAIR DIGITAL OBJECTS  FORUM

<https://fairdo.org/>



FAIRPoints Ongoing Projects

FAIRPoint Choice or Challenge

Occasionally, we will ask the community to describe the decisions they took and the challenges they encountered while implementing FAIR. On the **Machine-Centric Science podcast** <https://podcast.polyneme.xyz/> , we would like to collect and discuss responses to each question of the FAIR Implementation Profile (FIP) Ontology.

You may be a mini-guest on the program!

Learn more:

https://www.speakpipe.com/fip_choice_or_challenge



FAIRPoints Ongoing Projects

FAIROS Forum

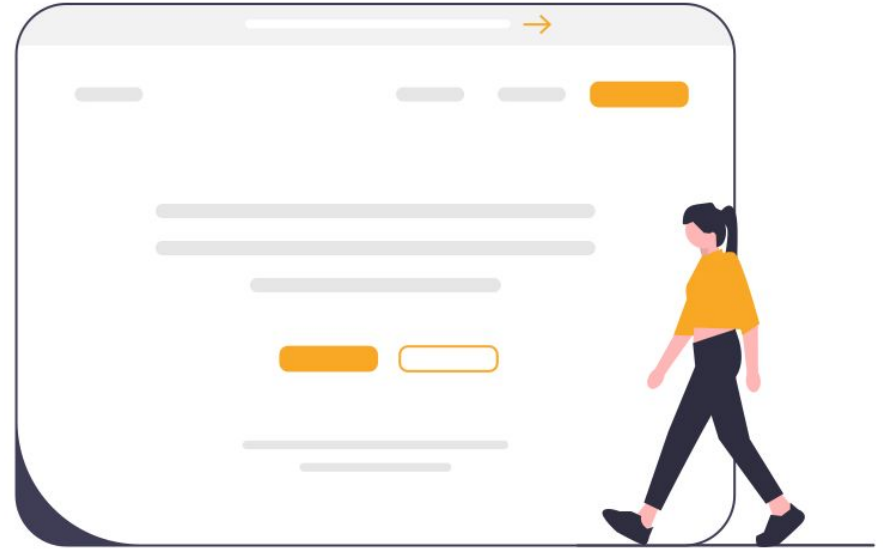
FAIR and Open Science Forum

Community gathering place,

Together with [FAIRDataPodcast](#),

Launch early 2023

A discussion forum where FAIR and Open related topics can be discussed, information is gathered and collected.



FAIRPoints Ongoing Projects

FAIR and Open for beginners

To develop slides (accompanied by scripts) that can be used by trainers in **high-school** and **undergraduate** studies as well as those who can use it to inform public e.g. onboarding/promoting citizen science efforts.

FAIR & Open Research 4Beginners



https://github.com/fairpoints/fair_open4beginners



FAIRPoints Google Cards

- HTML: `<a>`, `<form>`, `<meta>`, `<link>`, ...
- Blog feeds, podcasts: `<link rel="alternate" type="application/rss+xml" ...>`
- Schema.org: `<script type="application/ld+json">`
 - <https://schema.org/LearningResource>
 - <https://schema.org/QAPage>
 - Used in Google et al. structured search results above / to the side of "list of links"
- <https://datasetsearch.research.google.com/>
 - <https://schema.org/Dataset>
 - `<script type="application/ld+json">{"@context":"https://schema.org","@type":"Dataset" ...`
- Beyond HTML document annotation / signposting
 - Media types for structured data
 - Authoring and publish controlled vocabularies

 <https://shiny.link/EKMJl>

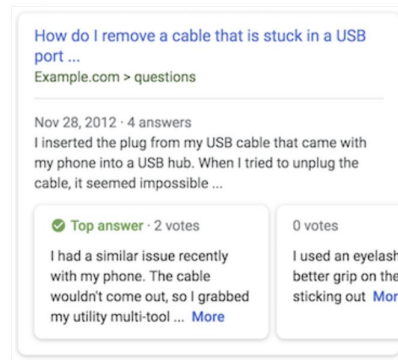
Q&A (QAPage) structured data

[Send feedback](#)

 Does your site publish FAQ content, with no way for users to submit alternative answers? Use [FAQ structured data](#) instead.

Q&A pages are web pages that contain data in a question and answer format, which is one question followed by its answers. For content that represents a question and its answers, you can mark up your data with the [schema.org](#) `QAPage`, `Question`, and `Answer` types.

Properly marked up pages are eligible to have a rich result displayed on the search results page. This rich treatment helps your site reach the right users on Search. Here's an example of a result you might see for the user query "How do I remove a cable that is stuck in a USB port?" if the page has been marked up to answer that question:



How do I remove a cable that is stuck in a USB port ...
Example.com > questions

Nov 28, 2012 · 4 answers
I inserted the plug from my USB cable that came with my phone into a USB hub. When I tried to unplug the cable, it seemed impossible ...

Top answer · 2 votes
I had a similar issue recently with my phone. The cable wouldn't come out, so I grabbed my utility multi-tool ... [More](#)

0 votes
I used an eyelash better grip on the sticking out [More](#)

<https://github.com/fairpoints/qapages>

FAIR Signposting



PROFILE /

Support offer #2: Enabling FAIR Signposting and RO-Crate for content/metadata discovery and consumption

Context

The findability of a wide range of research objects and their related metadata are central to the FAIR principles. This support action combines two successful approaches (FAIR Signposting and RO-Crate) to help ensure that research objects can be packaged up with structured metadata to support reuse and that these packages can be exposed for improved findability.

FAIR Signposting is a method to expose machine-actionable navigation links that indicate downloadable resources, types and attribution – particularly for scholarly and institutional repositories which use persistent identifiers like DOIs. Signposting makes explicit the links between a typical HTML landing page and the downloadable resources that are available for the research object described by that landing pages, including content resources and machine-readable metadata such as in RDF, although the method is technology-agnostic in terms of metadata formats. It also links to persistent identifiers, both for the research object and its authors. Signposting uses existing standards to achieve this: Web Links (RFC8288) conveyed using a simple HTTP header, HTML <link> elements, and/or Linksets (RFC9264). All link relations used in Signposting are registered in the [IANA Link Relations Registry](#). Signposting client libraries have been developed for [Python](#) and for [Ruby](#), along with a set of [benchmark tests](#) for tools to verify parsing and compliance. Repositories currently implementing Signposting include [Dataverse](#) and [WorkflowHub](#). Additional information regarding adoption status is [available](#).

RO-Crate has been established as a community effort to practically achieve FAIR packaging of [research objects](#) (digital objects like data, methods, software, etc.) with their structured metadata. RO-Crate is based on well-established Web standards and FAIR principles. For its common metadata representations, RO-Crate builds on [schema.org](#), a mature and general mark-up vocabulary used by search engines including Google Dataset Search. [RO-Crate libraries](#) are available for Javascript, Python, Ruby and Java, and in addition any RDF tooling supporting JSON-LD can be used (e.g. for knowledge graphs). RO-Crate is being adopted by a range of EU/EOSC projects and can be seen as a [pragmatic implementation](#) of the FAIR digital objects vision as highlighted by EOSC's [interoperability](#)

FAIR Signposting Profile

Prepared by: Herbert Van de Sompel, Martin Klein, Shawn Jones, Michael L. Nelson, Simeon Warner, Anusuriya Devaraju, Robert Huber, Wilko Steinhoff, Vyacheslav Tykhonov, Luc Boruta, Enno Meijers, Stian Soiland-Reyes, Mark Wilkinson

This version, created 20230519: <https://www.signposting.org/FAIR/>

Previous version, created 20220421: <https://www.signposting.org/FAIR/>

Please provide feedback in the [GitHub Signposting repository](#)

This page details concrete recipes that platforms that host research outputs (e.g. data repositories, institutional repositories, publisher platforms, etc.) can follow to implement [Signposting](#), a lightweight yet powerful approach to increase the FAIRness of scholarly objects.

Join the conversation!

Website: <https://www.fairpoints.org/>

Sign-up to event series: <https://bit.ly/3BEQ06X>

Twitter: [@FAIR_Points](https://twitter.com/FAIR_Points)

Mastodon: <https://fairpoints.social>

Slack: shiny.link/F71wE

Youtube: <https://youtube.com/@fairpoints4178>



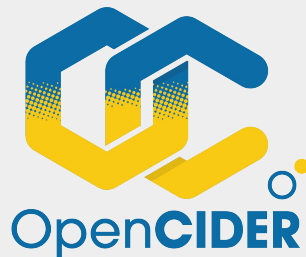


FAIRPoints team





SciLifeLab



SDSC SAN DIEGO
SUPERCOMPUTER CENTER

Get in touch:
fairpoints.org



FAIR DIGITAL OBJECTS  FORUM

