


CovidStat @ INFN Open Access Repository

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9 aprile 2019

Principi FAIR (www.go-fair.org/fair-principles/)

FAIR Principles	Compliance
 <p>Findability</p> <p>Resource and its metadata are easy to find by both, humans and computer systems. Basic machine readable descriptive metadata allows the discovery of interesting data sets and services.</p>	<ul style="list-style-type: none">✓ F1. Resource is uploaded to a public repository.✓ F2. Metadata are assigned a globally unique and persistent identifier.
 <p>Accessibility</p> <p>Resource and metadata are stored for the long term such that they can be easily accessed and downloaded or locally used by humans and ideally also machines using standard communication protocols.</p>	<ul style="list-style-type: none">✓ A1. Resource is accessible for download or manipulation by humans and is ideally also machine readable.✓ A2. Publications and data repositories have contingency plans to assure that metadata remain accessible, even when the resource or the repository are no longer available.
 <p>Interoperability</p> <p>Metadata should be ready to be exchanged, interpreted and combined in a (semi)automated way with other data sets by humans as well as computer systems.</p>	<ul style="list-style-type: none">✓ I1. Resource is uploaded to a repository that is interoperable with other platforms.✓ I2. Repository meta- data schema maps to or implements the CG Core metadata schema.✓ I3. Metadata use standard vocabularies and/or ontologies.
 <p>Reusability</p> <p>Data and metadata are sufficiently well-described to allow data to be reused in future research, allowing for integration with other compatible data sources. Proper citation must be facilitated, and the conditions under which the data can be used should be clear to machines</p>	<ul style="list-style-type: none">✓ R1. Metadata are released with a clear and accessible usage license.✓ R2. Metadata about data and datasets are richly described with a plurality of accurate and relevant attributes.

INFN Open Access Repository (pilot)

INFN OAR Open Access Repository

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Bianco, Stefano; Patrizi, Laura

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Barbera, Roberto; Bruno, Riccardo; Fargetta, Marco; Rotondo, Riccardo

INFN OAR Presentation at the InvenioRDM Project Meeting held at CERN 20-24 January 2020.

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Mattia, Maurizio; Biggio, Matteo; Galluzzi, Andrea; Storace, Marco

Understanding the collective behavior of the intricate web of neurons composing a brain is one of the most challenging and complex tasks of modern neuroscience. Part of this complexity resides in the distributed nature of the interactions between the network components: for instance, the neurons...

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Bruno, Riccardo; Barbera, Roberto; Fargetta, Marco; Rotondo, Riccardo; Anagnostou, Anastasia; Taylor, Simon J. E.

Open Science (OS) is a powerful and novel paradigm to share knowledge across multidisciplinary scientific communities with the aim to improve the quality of science. One of the most important OS enablers are the FAIR principles, which

INFN Open Access Repository at a glance

- **Research. Shared.** — all research outputs from across all domains of INFN research are welcome!
- **Findable. Citeable. Discoverable.** — each upload gets a Digital Object Identifier (DOI) to make it easily and uniquely citeable. You can (automatically) link your research outputs to your ORCID profile.
- **Communities** — create and curate your own community for a workshop, project, Division, Laboratory, service, journal, etc. into which you can accept or reject uploads.
- **Funding** — you can associate an upload to the grant that has funded the work.
- **Flexible licensing** — you can choose among several licenses. You can also upload closed or embargoed research outputs.

Tweets by @INFN_

INFN @INFN_

Per risolvere un'anomalia osservativa di alcuni blazar, un gruppo di ricercatori dell'INAF e dell'INFN ha proposto una soluzione che coinvolge ipotetiche particelle chiamate ALP che sono tra i candidati per la materia oscura. @mediainaf

home.infn.it/it/comunicazio...

- Adopts leading-edge technologies in the domain of digital repositories
- Includes the possibility for digital assets, offered by the new Zenodo GUI, to be stored in the repository not only open access but also embargoed, restricted and closed
- Exploits the concept of “communities”, which is central in the Zenodo architecture, to cope with several aggregation of contents: per INFN division, per Scientific Committee, per project, per initiative, etc.
- Open to non-INFN users (thanks to the concept of «Communities»)
- Supports DOI versioning
- **Is compliant with FAIR principles**
- **Is compliant with Plan S requirements**

(Meta)Data model di CovidStat in OAR

Metadati

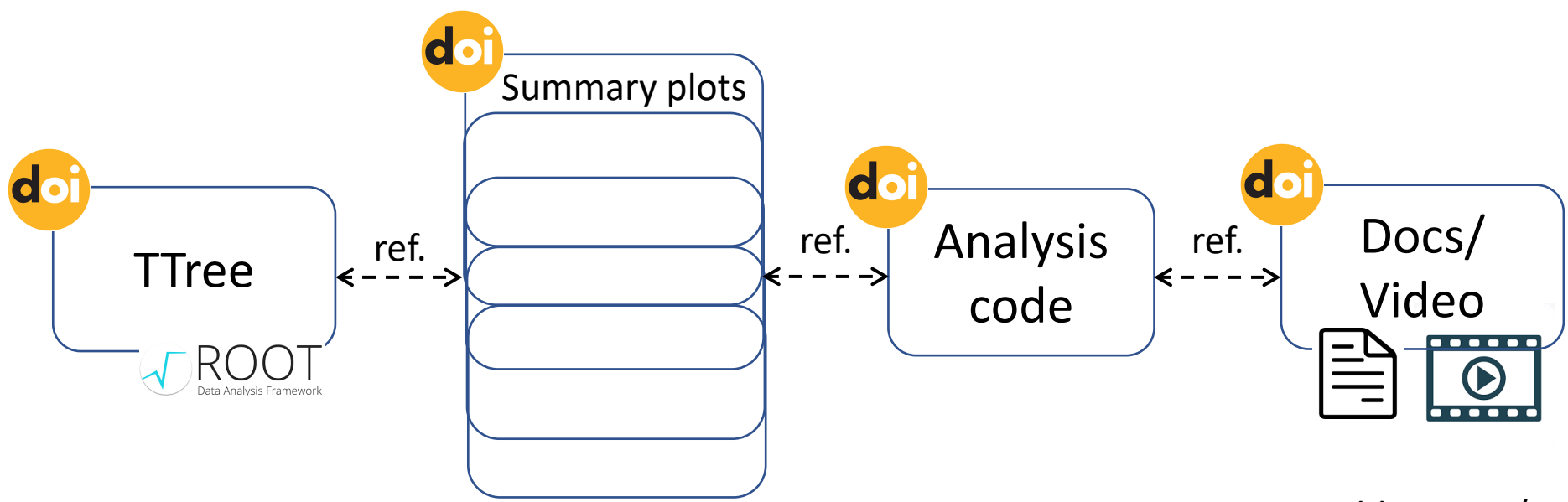
- Data
- Versione
- Keyword
- Licenza
- <altri>

- Data
- Versione
- Keyword
- Licenza
- <altri>

- Data
- Versione
- Keyword
- Licenza
- <altri>

- Data
- Versione
- Keyword
- Licenza
- <altri>

Dati



Dataset

Images

Software

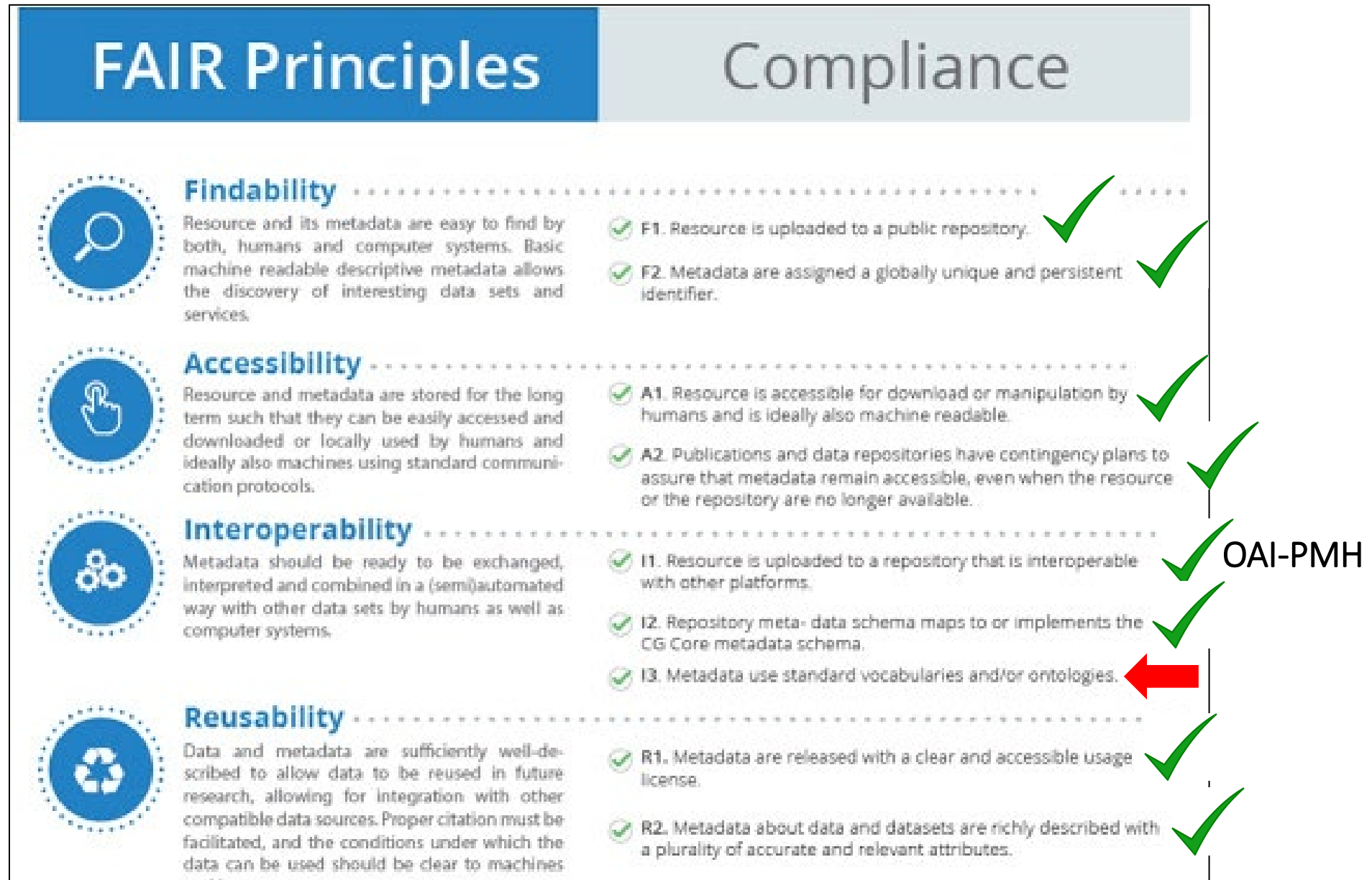
Publications/
Video/Audio

Content
type

Live demo

<https://www.openaccessrepository.it/communities/covidstat-infn>

Principi FAIR – implementazione attuale di CovidStat-INFN



Conclusioni preliminari

- CovidStat INFN non è l'unico sito/progetto di presentazione/analisi dei dati di COVID19
 - Italia:
 - <https://www.piersoft.it/covid19/>
 - Mondo:
 - <https://www.worldometers.info/coronavirus/>
- Ma di sicuro è l'unico FAIR... in linea con il Piano del MUR sull'Open Science