



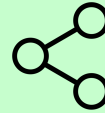
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see these slides at
<https://tinyurl.com/futureopendata>

the html version is published at
<https://tinyurl.com/opendatahtml>



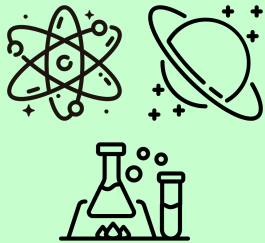
Open Data: towards a purpose-driven approach

#OAWeek2022
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Hi, I am Paola! I am a data
scientist, Open Science
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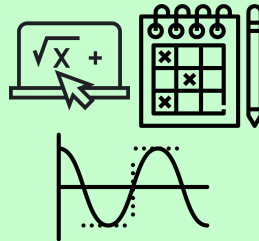
the 4th paradigm: data-informed science

experiments:
empirical
science



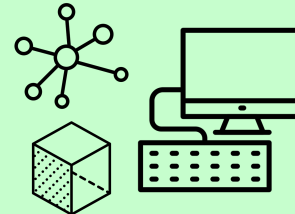
thousands
of years ago

laws:
theoretical science



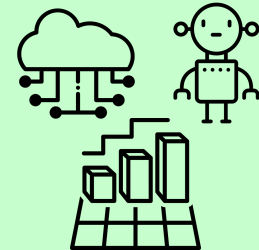
last few
hundreds
years

simulations:
computational
science



last few
decades

data:
eScience



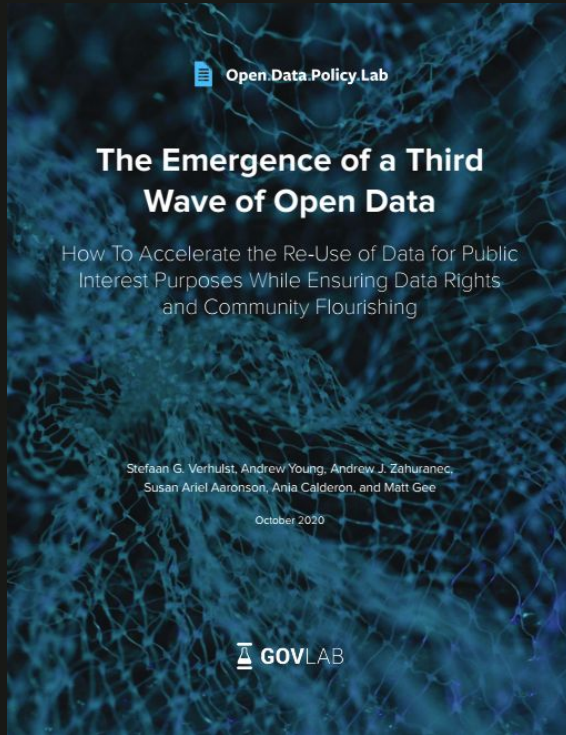
today

data-informed science in a data-informed society



“We live in an era of data abundance, and yet we experience inequities and asymmetries when it comes to data access”

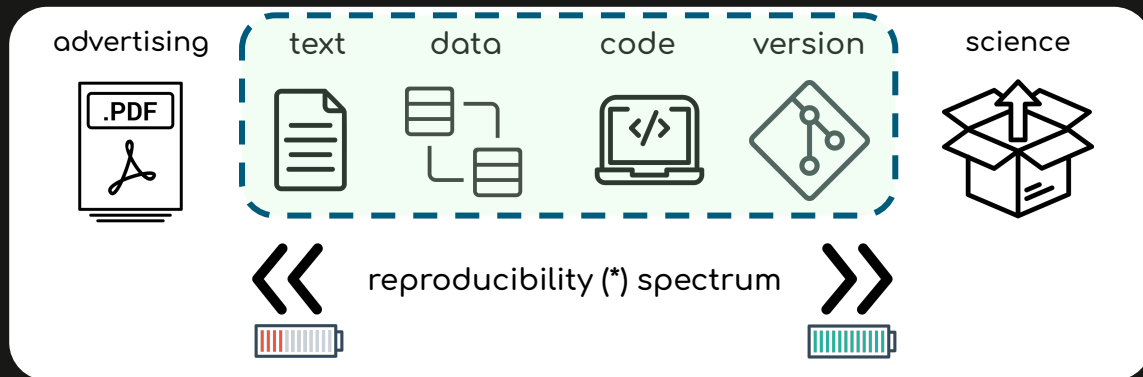
another wave of open data



from one wave to the other



the
need/right
to know



reproducibility: the minimum standard for research validity

from one wave to the other



the
need/right
to know

public authorities are obliged
to publish certain information
about their activities, and

members of the public are
entitled to request
information from public
authorities



The data that support the findings of this study are available from the
corresponding authors upon reasonable request.

[Home](#) > [Crime, justice and the law](#) > [Your rights and legal support](#)

How to make a freedom of information (FOI) request

Contents

- Overview
- [Organisations you can ask for information](#)
- [How to make an FOI request](#)
- [If your request is turned down](#)

from one wave to the other



the
need/right
to know



the duty to
share



H2020 OA to data

Open data is data that is free to use, reuse, and redistribute. The Open Research Data Pilot aims to make the research data generated by Horizon 2020 projects open. Starting from 2017 participating in the pilot will be the default option.



open data policies & mandates from funders (and to some extent from journals)

from one wave to the other



the
need/right
to know



the duty to
share



The “Code for Digital Administration” brings together rules and norms concerning digital rights of Italian citizens.

from one wave to the other



the
need/right
to know



the duty to
share



publish with
purpose

it's time to publish
data with **purpose**
and enable their
use and reuse
with **responsibility**



and where do you find shared purpose if not in a community?



We promote the **openness** of public data to make them a common good for everyone, our **values** are the driving force behind our actions



time to think about data as a common good



Change lives. **For good.**
act:onaid



TRANSPARENCY
INTERNATIONAL
ITALIA

Associazione contro la corruzione

dati ◀ ◻
bene ◻ ◻
comune

58,343 have signed. Let's get to 75,000!



At 75,000 signatures, this petition
becomes one of the **top signed**
on Change.org!

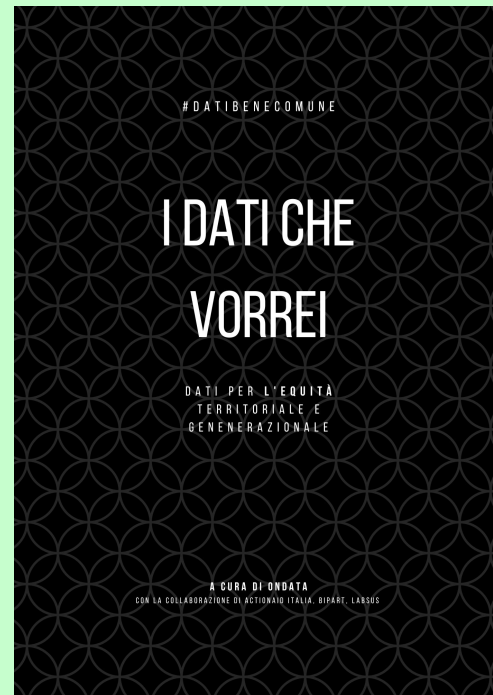
the data I'd like (to have)



data & Italy's recovery
and resilience plan



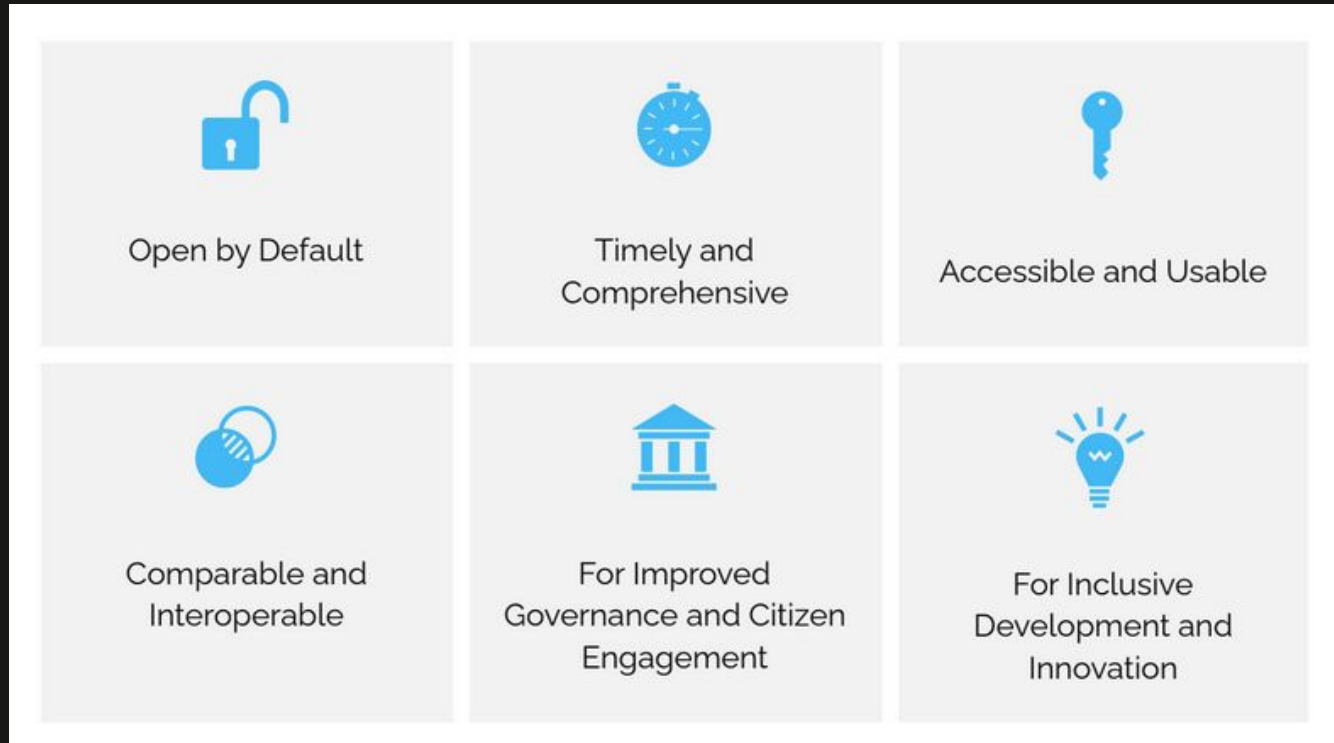
data & gender gap



data & territorial and
generational gap

[Link to the #DatiBeneComune dossier: I dati che vorrei](#)

features of these data



and the vision behind

Vision

We want a world in which governments collect, share, and use well-governed data, to respond effectively and accountably to our most pressing social, economic, and environmental challenges.

data (and tech) ethical by design

purpose

why do we want open data?

values

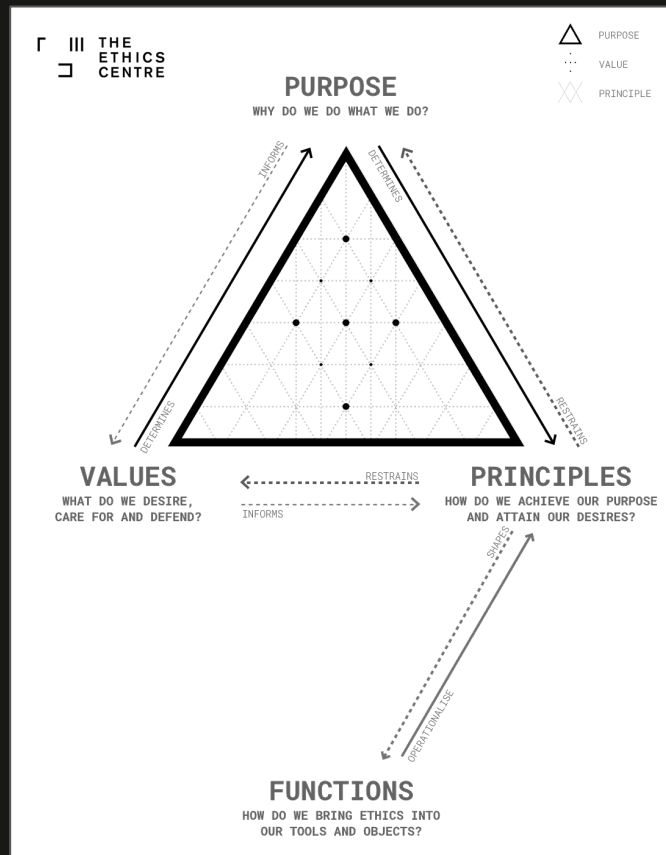
in opening up data, what drives us?
what do we desire, care for, defend?

principles

which road do we choose to achieve
our purpose?

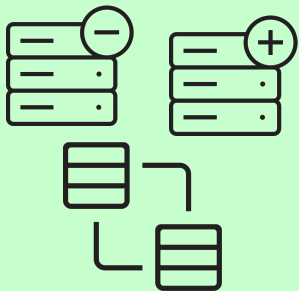
functions

how do we bring ethics into what we
build (data, tools, etc)?



it needs to be an intentional process

how were data collected?
were there technological
limitations? other
limitations?



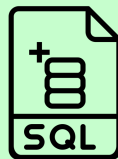
data collection

how can we
guarantee diversity
and equity in the
samples we select?



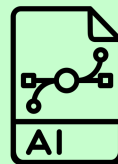
selection

which dimensions
are we getting rid
of when
aggregating data?
and why?



aggregation

how much
decisional power
can we leave up to
the algorithm(s)?
are we enabling
digital trust?



analysis

is the data
contributing in
creating a more
just representation
of the world?



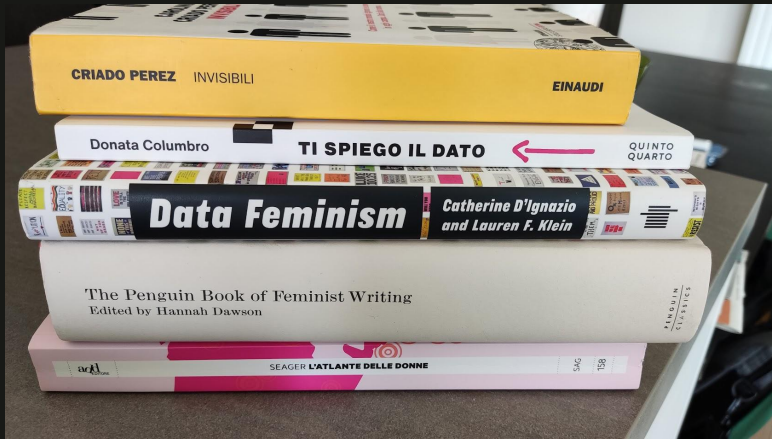
visualization

extraction of information to drive decision

“Making sure that the data and what they produce are ethical goes far beyond conformity: it is an act of courage, and, perhaps, even of rebellion”

I dati che vorrei

if data is power, we need data feminism



“Intersectional feminism isn’t just about women nor even just about gender. Feminism is about power – who has it and who doesn’t. And in a world in which data is power, and that power is wielded unequally, data feminism can help us understand how it can be challenged and changed”

the data feminism rainbow

EXAMINE POWER

CHALLENGE POWER

ELEVATE EMOTION AND
EMBODIMENT

RETHINK BINARIES AND
HIERARCHIES

EMBRACE PLURALISM

CONSIDER CONTEXT

MAKE LABOR VISIBLE

The Library of Missing Datasets (2016)

EXAMINE POWER

CHALLENGE POWER

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MAKE LABOR VISIBLE



Disabled data

EXAMINE POWER

CHALLENGE POWER

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EMBODIMENT

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HIERARCHIES

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CONSIDER CONTEXT

MAKE LABOR VISIBLE



Disabled
data

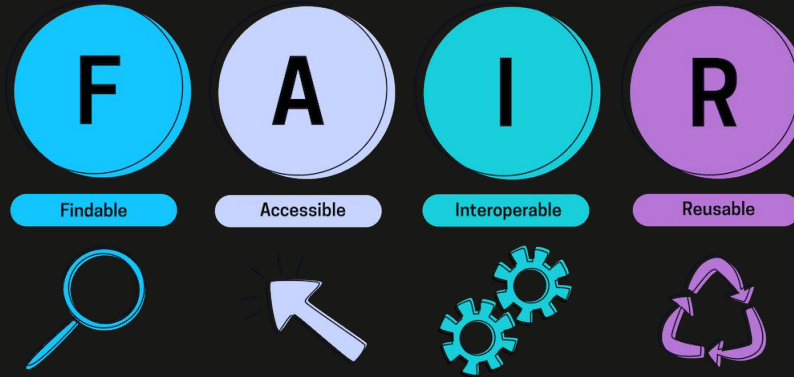


If we wanted to tell the story of disability through its data we would immediately find ourselves in a condition of disability, prevented from research, collection, analysis and processing due to structural and contextual barriers. What are the structural and contextual barriers that limit access to disability data?

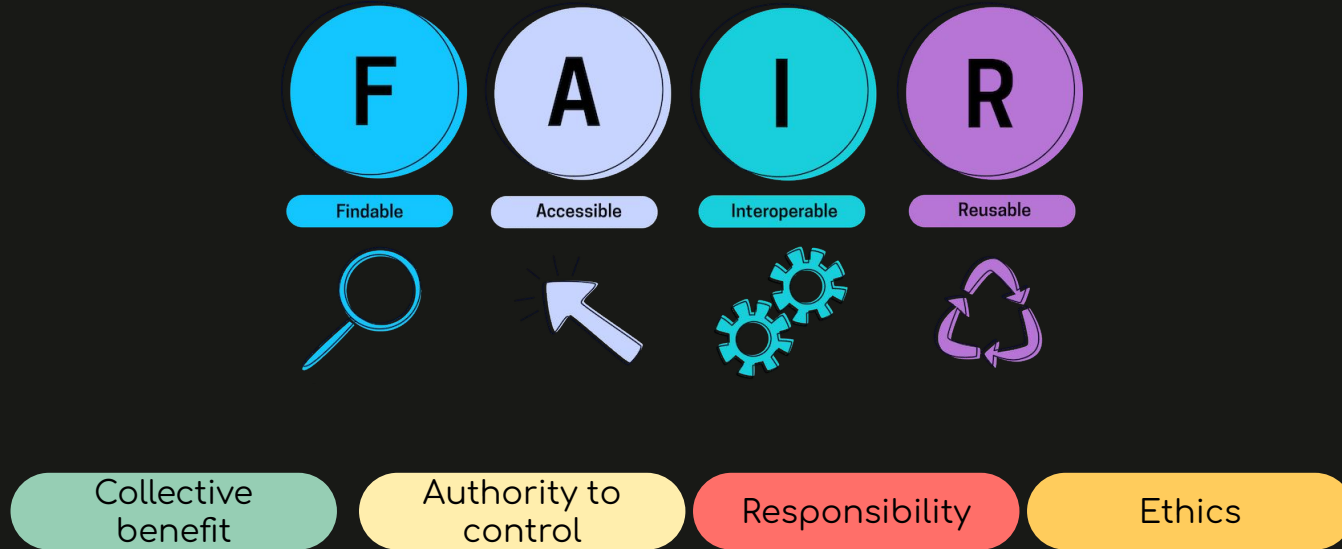
Sheldon.
studio



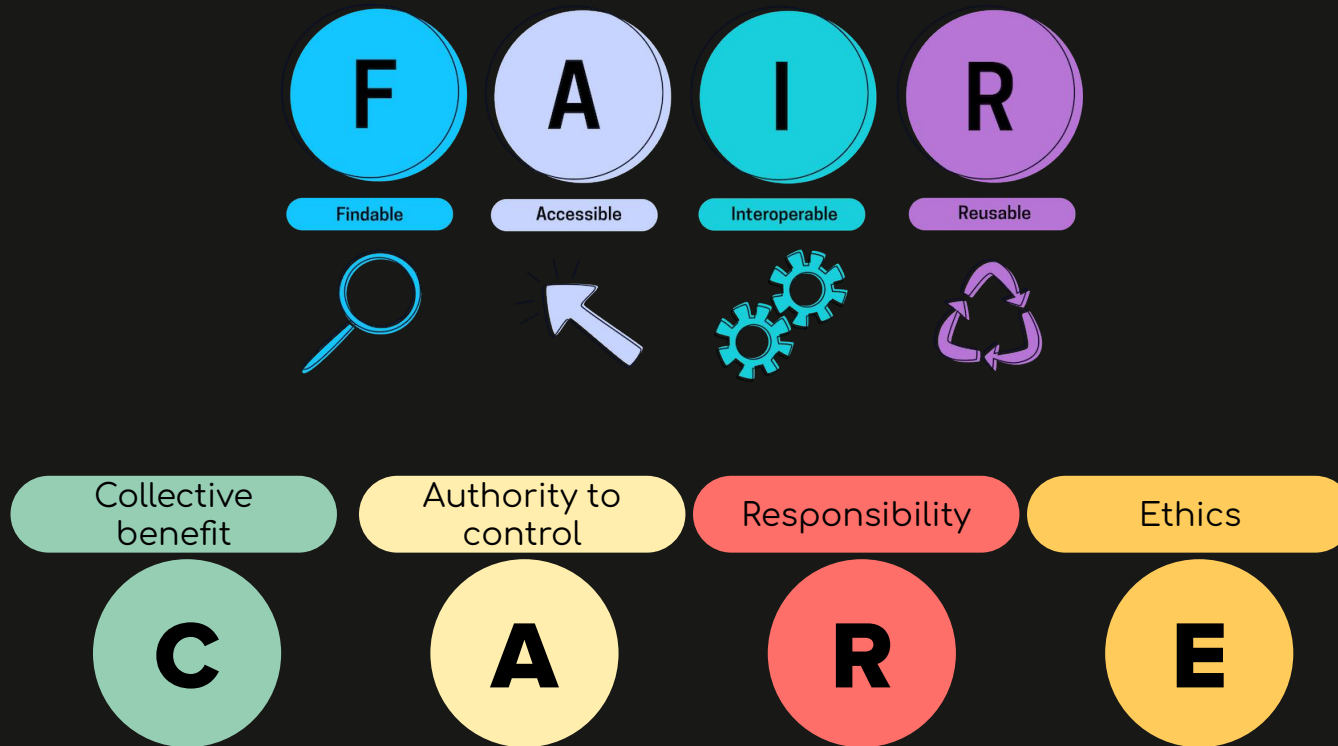
FAIR data is wonderful data



FAIR data with a pinch of love is even better



from FAIR to CARE



Open Data is an
enabler and a
community builder,
one of the most
precious we have.

Thank you!

You can find me on Twitter at
[@pcmasuzzo](#)
and you can always email me at
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