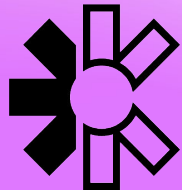


Data use and reuse: Unlocking the Potential of Frictionless Data for Wikidata

Wikimania Singapore

August 2023



Open Knowledge

FOR A FAIR, SUSTAINABLE AND OPEN FUTURE

okfn.org
@okfn

Who we are



The Open Knowledge Foundation (OKFN) has been setting **global open standards for the past 20 years**, contributing technology and community expertise to a wide range of initiatives in the fields of open data, open content, open government, etc.

We maintain a network of people in more than 40 countries to promote open knowledge as a design principle. We are widely known for being **leaders in building a robust and sustainable open infrastructure** for publishing, sharing, and working with data.

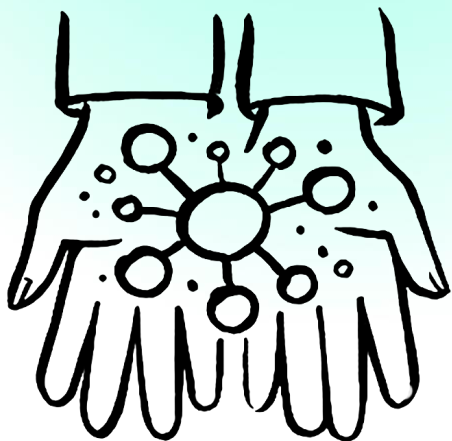


What we do

We provide **services, tools, and training** that enable governments, organisations, and communities to adopt open protocols as a design principle.



01. Software & Standards



FRICITIONLESS
DATA



Open Definition

DEFINING OPEN IN OPEN DATA, OPEN CONTENT AND
OPEN KNOWLEDGE

OPEN DATA HANDBOOK

*Guides, case studies and resources for government & civil society
on the "what, why & how" of open data.*

Open Data Commons

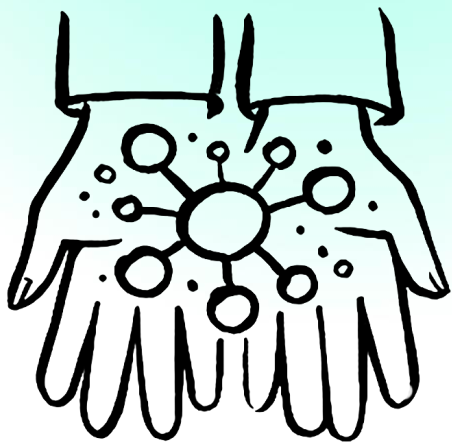
LEGAL TOOLS FOR OPEN DATA



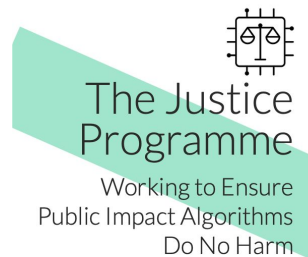
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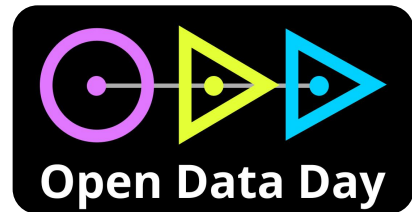
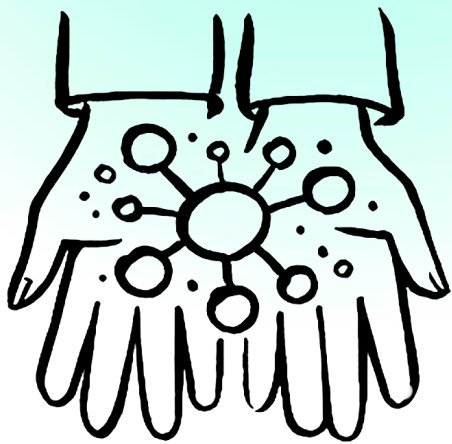
02. Advocacy



OpenSpending



03. Comunidad





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Introduction

frictionlessdata.io
@frictionlessd8a

- **Specifications** for data & metadata interoperability
- A collection of open source software **libraries**
- A range of **best practices** for data management
- Platform agnostic **interoperability**



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FRICTIONLESS
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Data integration



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- **Packaging Data**
Package data with its metadata and schema for increased usability and clarity
- **Transforming Data**
Data often requires some transformations, like cleaning or conversions from one format to another
- **Pushing and Storing Data**
Frictionless has several plugins for accessing and storing data, for example in a SQL database



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Data Package

- Precise data **archiving** format
- Easily **shareable**
- Data **reproducibility**
- **Findable, Accessible, Interoperable, Reusable (FAIR)**
- Data integrity **validation**



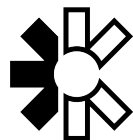
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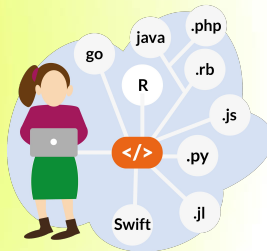


FRICITIONLESS
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Holistic
approach to
open data



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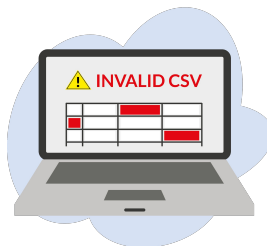
Frictionless Standards

Lightweight yet comprehensive data standards as Data Package and Table Schema.



Frictionless Framework

Python framework to describe, extract, validate, and transform tabular data.



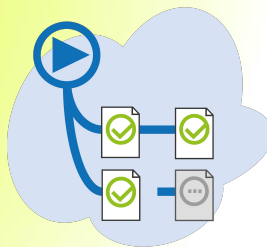
Frictionless Application

Data management application for Browser and Desktop for working with tabular data.



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Frictionless Repository

Github Action allowing you to validate tabular data on every commit to your repository.



Livemark

Static site generator that extends Markdown with charts, tables, scripts, and more.



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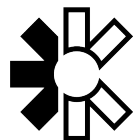
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Use Cases

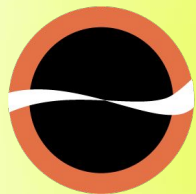


**Pipelines for accelerating
ocean scientific
discovery with BCO-DMO**

↪ [Learn more](#)

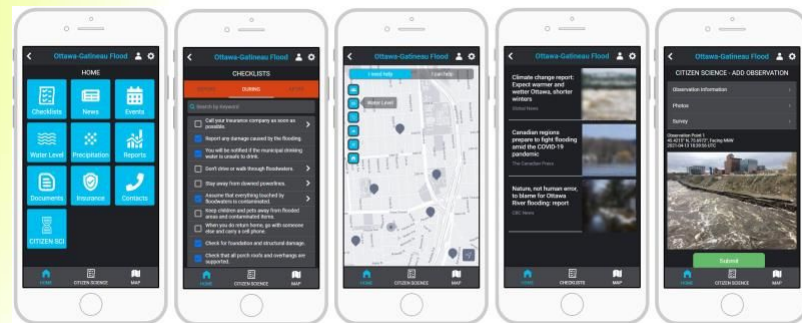


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Use Cases



**Deploy Solutions uses
Frictionless Data for climate
change data validation**

↳ [Learn more](#)



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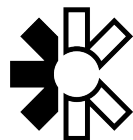
FRICTIONLESS
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Use Cases

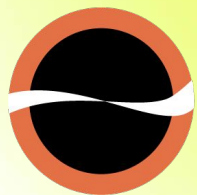


Extended Frictionless standards for camera trapping data exchange format

↳ [Learn more](#)



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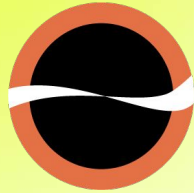
A Potent
Combo



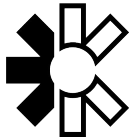
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Demo



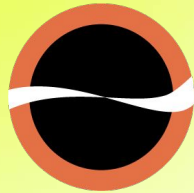
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A quick user research



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<https://etherpad.wikimedia.org/p/frictionless-wikidata>



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Thank you!

Ways to join the conversation:

- Website – frictionlessdata.io
- Slack – frictionlessdata.slack.com
- Twitter – [@frictionlessd8a](https://twitter.com/frictionlessd8a)
- Newsletter – okfn.org/newsletter



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