

# Community Call Doc

## [Public]

23 January 2026 - 04:00 pm CET

### Agenda

- Beginning of the year roundup with attendees. Plans of the year for the work related to Frictionless.
- Funding opportunities in Horizon Europe and in other philanthropies.
- FD and Climate related efforts: who is working on that and how to create a better narrative around Open Science communities.
- Update on FD and Data Package video production.
- AOB

21 November 2025 - 04:00 pm CET

### Agenda

- Welcome and introductions: Icebreaker!
  - Renu Kumari, New Community Manager
- Presentation of Data Package
- Updates on staffing, governance, funding, development timeline?
- Zenodo integration
  - An example of a custom integration:  
<https://github.com/mjacqu/glenglat> (publishes to  
<https://zenodo.org/records/15005624> using  
<https://github.com/mjacqu/glenglat/blob/main/zenodo.py>)
  - Open Data Editor (e.g. [openeconomics](https://openeconomics.com))
- Roundup plans 2026

- Any other business (AOB)
  - Citing the spec: Can we have versioned URLs to the documentation (e.g. [datapackage.org/2.0/...](https://datapackage.org/2.0/...)) and a release date for each standard
  - Open Research Devroom at FOSDEM in Brussels on 1st February 2026. We are calling all developers and users of open source tools and technologies used in a research and investigation context to propose a talk. The CfP is very straightforward and is open until December 1st. Don't miss the chance to join! More info here: <https://research-fosdem.github.io/>

26 June 2025 - 16:00 - 17:00 CEST

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Social Media [@Frictionlessd8a](#) and [Slack Channel](#) (+ [Matrix Bridge](#) if you prefer to use an open protocol)
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - Data Package working group discussion - new minor release?
  - Data Package implementation in TypeScript
- AOB
  - Salma Thalji: guidance on Hybrid Validation for Mixed Resource Types
  - Our community is on Slack. [Please join our channel!](#) Also via Matrix: <https://matrix.to/#/#frictionlessdata:matrix.okfn.org>

- Anything you'd like to discuss next time? Feel free to fill your suggestions below!
- Frictionless project website: <https://frictionlessdata.io/>  
Data Package: <https://datapackage.org/>  
Frictionless Python framework: <http://framework.frictionlessdata.io/>

28 March 2025 - 3:00 - 6:00 pm CET

## Agenda

- Welcome to the Frictionless Summit!  
We are bringing together maintainers, users, and contributors to discuss challenges, priorities, and governance for the project moving forward.
- Programme:
- **15:00 - 16:30 CET - How is Frictionless used today?**  
Project presentations:
  1. *Pierre Camilleri, Johan Richer*: **Validata** (government data)  
Website: <https://validata.fr/>  
Additional validation capabilities:  
<https://github.com/datagouv/fr-format>  
They have a plug-in for Grist
  2. *Romina Colman*: **Open Data Editor** (data quality for non-technical audiences)  
Website: <https://opendataeditor.okfn.org/>
  3. *Peter Desmet*: **Camtrap DP** (biodiversity data)  
Website: <https://camtrap-dp.tdwg.org>
  4. *Nicholas Kellett*: **Deploy Solutions** (climate/disaster response + citizen science)  
Website: <https://www.deploy.solutions/>

5. *Phil Schumm*: **Data curation with Frictionless at NIH/University of Chicago** (biomedical data)
  6. *Adam Shepherd, Amber York*: **BCO-DMO** (oceanography data)  
Website: [bco-dmo.org](http://bco-dmo.org) ([blog](#) - frictionlessdata)  
Slides: [Google Presentation](#)  
Pipeline Routines: [github.com/BCODMO/bcodmo\\_frictionless](https://github.com/BCODMO/bcodmo_frictionless)
  7. *Ethan Welty*: **Global englacial temperature database** (glacier monitoring data)  
Zenodo: <https://zenodo.org/records/15005624>  
Demo URL: <https://github.com/ezwelty/meta2data>
- **16:30 - 16:45 CET - The Tech We Want**  
Presentation by Open Knowledge Foundation's Tech lead *Patricio del Boca* of The Tech We Want initiative, reimagining the way technology is built, so that it is useful, simple and long-lasting.
  - **16:45 - 18:00 CET - Frictionless tomorrow**  
A community discussion on how we envision the future of the project with selected active members of the community leading the discussion.

Confirmed discussion leaders:

1. Pierre Camilleri
  2. Peter Desmet
  3. Stephen Diggs
  4. Keith Hughitt
  5. Kyle Husmann
  6. Phil Schumm
- AOB
    - Our community is on Slack. [Please join our channel](#)! Also via Matrix: <https://matrix.to/#/#frictionlessdata:matrix.okfn.org>
    - Anything you'd like to discuss next time? Feel free to fill your suggestions below!
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Data Package: <https://datapackage.org/>  
Frictionless Python framework: <http://framework.frictionlessdata.io/>

# 6 February 2025 - 4:00 - 5:00 pm CET

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Social Media [@Frictionlessd8a](#) and [Slack Channel](#) (+ [Matrix Bridge](#) if you prefer to use an open protocol)
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - OSCARS project
    - Update of Python & R implementations to DP v2
    - Fast validation in C/Rust that can be used by other libs
    - Editorial streamline of the documentation
    - A scientific paper about DP
  - Categorical data working group update (Jan, Albert, Phil, Kyle) - categorical table recipe proposal: [Short Presentation](#), [PR](#) → please have a look and provide feedback and bring any datasets that do not fit this model
- AOB
  - A Frictionless summit to discuss ideas on how to move the project forward (tentatively on February 28th)
  - Can we change the day of the community call so Pierre can make it?
    - We can do Fridays, but 1h later
  - Would you like to present something at one of the upcoming community calls? Let us know via this form: <https://forms.gle/tKeiDjkpsGseLauk7>
  - Our roadmap is online. Go and have a look: <https://frictionlessdata.io/developent/roadmap/>

- Our community is on Slack. [Please join our channel!](#) Also via Matrix: <https://matrix.to/#/#frictionlessdata:matrix.okfn.org>
- Anything you'd like to discuss next time? Feel free to fill your suggestions below!
- Frictionless project website: <https://frictionlessdata.io/>  
Frictionless Python framework: <http://framework.frictionlessdata.io/>

5 December 2024 - 4:00 - 5:00 pm CET

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Social Media [@Frictionlessd8a](#) and [Slack Channel](#) (+ [Matrix Bridge](#) if you prefer to use an open protocol)
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - Frictionless application Open Data Editor presented by Product Owner Romina Colman
- AOB
  - We have a community on Zenodo: <https://zenodo.org/communities/frictionlessdata/records?q=&l=list&p=1&s=10&sort=newest> Let us know if you are on Zenodo and want to be added to it.
  - Next Community Call: 30 January. We will have a presentation from the categorical WG (within the Data Package working group).
  - Would you like to present something at one of the upcoming community calls? Let us know via this form: <https://forms.gle/tKeiDjkpsGseLauk7>

- Our roadmap is online. Go and have a look:  
<https://frictionlessdata.io/developent/roadmap/>
- Our community is on Slack. [Please join our channel!](#) Also via Matrix:  
<https://matrix.to/#/#frictionlessdata:matrix.okfn.org>
- Anything you'd like to discuss next time? Feel free to fill your suggestions below!
- Frictionless project website: <https://frictionlessdata.io/>  
Frictionless Python framework: <http://framework.frictionlessdata.io/>

31 October 2024 - 4:00 - 5:00 pm CET

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - 
  - Social Media [@Frictionlessd8a](#) and [Slack Channel](#) (+ [Matrix Bridge](#) if you prefer to use an open protocol)
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - Presentation from Keith Hughitt - Ideas for even less friction
    -
  - We have added a comparison between Data Package and CSV on the web: <https://datapackage.org/guides/csvw-data-package/>
  - New contribution guide is almost ready:  
<https://929-contribution-guide.datapackage-6gp.pages.dev/overview/contributing/> it will enable us to be working on new versions e.g. v2.1
  - Voting mechanism is finalised and now is here:  
[https://github.com/frictionlessdata/datapackage/discussions?discussion\\_s\\_q=is%3Aopen+sort%3Atop](https://github.com/frictionlessdata/datapackage/discussions?discussion_s_q=is%3Aopen+sort%3Atop) (the contribution guide also describes this model). Did you already vote for features you support?


- AOB
  - Next Community Call: November 28th - we will have a presentation from the categorical WG (within the Data Package working group) and a quick pre-release presentation of Open Data Editor.
  - Would you like to present something at one of the upcoming community calls? Let us know via this form:  
<https://forms.gle/tKeiDjkpsGseLauk7>
  - Our roadmap is online. Go and have a look:  
<https://frictionlessdata.io/development/roadmap/>
  - Our community is on Slack. [Please join our channel!](#) Also via Matrix:  
<https://matrix.to/#/#frictionlessdata:matrix.okfn.org>
  - Anything you'd like to discuss next time? Feel free to fill your suggestions below!
  - Frictionless project website: <https://frictionlessdata.io/>  
Frictionless python framework: <http://framework.frictionlessdata.io/>

26 September 2024 - 4:00 - 5:00 pm CEST

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Sara Petti - OKFN
  - Steve Diggs - CDL/UCOP
  - Peter Desmet - INBO (maintains frictionless-r)
  - Keith Hughitt - NIH/NCI
  - Kyle Husmannjajajjar is here!
  - Dennis Irerere
  - Pierre Camilleri (new maintainer of frictionless-py)




- Social Media [@Frictionlessd8a](#) and [Slack Channel](#) (+ [Matrix Bridge](#) if you prefer to use an open protocol)
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - Frictionless Python framework - change in the governance structure
  -  Frictionless call - September
  - Rebuild <https://frictionlessdata.io/universe/>
    - Good example: <https://inbo.r-universe.dev/builds>
    - Maybe build the universe page automatically. E.g. from GitHub API + [CITATION.cff](#) file in repos
  - Updates from the categorical working group
  - Data Package implementations update
- AOB
  - Next Community Call: October 31st (oh so spooky!)
  - Would you like to present something at one of the upcoming community calls? Let us know via this form: <https://forms.gle/tKeiDjkpsGseLauk7>
  - Our roadmap is online. Go and have a look: <https://frictionlessdata.io/developent/roadmap/>
  - Our community is on Slack. [Please join our channel!](#) Also via Matrix: <https://matrix.to/#/#frictionlessdata:matrix.okfn.org>
  - Anything you'd like to discuss next time? Feel free to fill your suggestions below!
  - Frictionless project website: <https://frictionlessdata.io/>
  - Frictionless python framework: <http://framework.frictionlessdata.io/>

20 June 2024 - 4:00 - 5:30 pm CEST

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Social Media [@Frictionlessd8a](#) and [Slack Channel](#) (+ [Matrix Bridge](#) if you prefer to use an open protocol)
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - **Frictionless Standard Review**  
<https://datapackage.org/>
  - Documentation review: <https://datapackage.org/>
    - Homepage
      - Peter/Ethan: Word “simple” -> minimal, lightweight?
      - Ethan: Everything with underline (like titles) should link somewhere
      - Peter/Ethan: Cards should link
      - Steve: Big screenshot of one programme. Maybe better to have cards there too
      - Keith: (potentially) diagram to see how specs link. Peter: add this on the “Explore the standard” page.
      - Peter: testimonials (blog posts) as Adoption. More engaging that number of logos (some could remain)
      - Phil: show how users can immediately pull a Data Package into their environment (like R). A bit like a usage section. Jesper: maybe under software: a carousel or tabs per language, have animated gif on how it is used.

- Phil: mention FAIR. Peter: if above fold, have the last sentence of intro be “It is a data definition language (DDL) and data API that facilitates FAIR data exchange.”
- Ethan: have a more friendly landing for GitHub page.
- Peter: branding? Sara: maybe recolour the logo a bit.  
Peter/Phil: I like the darker blue better than the logo blue.  

- Ethan: Documentation section at bottom seems like an afterthought
- Peter: Indicate version, cf dropdown cf. Bootstrap <https://getbootstrap.com/> (keeping older versions online? => Peter: I guess the CHANGELOG is sufficient from v2.0 onwards)
- Ethan: Borrowing from the bootstrap website, "Get Started" could become "Read the docs" – sentence case and clear that it goes to the documentation ;)

#### ■ Guides

- Pierre: Why a Guides page, if there is a Guides menu item?
- Evgeny: overview pages can likely be removed. Peter: or integrated as first section in the menu section. Evgeny: agree
- Peter: make FAIR a header in the Introduction page. Kyle: agree
- Phil: have single header “Standard” with Specifications, Governance, Changelog. Peter: agree. Evgeny: agree.
- Phil: have a “Getting started” or an “Overview” page. Peter: or a “Rationale” page that explains header by

header why you would want to use Data Package (not reinventing the wheel)

- Peter: also mention how Data Package links to other standards or what alternatives there are. Steve: NSF LTER's EML data packages, etc
- Peter: how are we going to collaborate on rewriting some pages. Ethan: start iterating on an outline (section and page names for the left navigation sidebar) before tackling the content of each page?
- Peter: specifications have grown organically and would need a single editor to make them more consistent in how things are phrased.
- Move out of the table-specific components – we go beyond tabular data. Let's abstract more. Peter: please keep the scope a bit on tabular data (that's already a huge scope), which is a point of recognition for potential users. But it can be mentioned that we can branch out to non-tabular data.
- All the documentation on the website will be moved to the specs repo: <https://github.com/frictionlessdata/specs>
- Peter: have a develop branch to bundle all changes for an upcoming versioned release, while typos and rewrites (not-version specific) can be published directly to the main branch (and have the main website updated)

■ Any other comment

- Next steps with implementations
- AOB
  - Next Community Call: July 25th

- Would you like to present something at one of the upcoming community calls? Let us know via this form:  
<https://forms.gle/tKeiDjkpsGseLauk7>
- Our roadmap is online. Go and have a look:  
<https://frictionlessdata.io/development/roadmap/>
- Our community is on Slack. [Please join our channel](#)! Also via Matrix:  
<https://matrix.to/#/#frictionlessdata:matrix.okfn.org>
- Anything you'd like to discuss next time? Feel free to fill your suggestions below!
- Frictionless project website: <https://frictionlessdata.io/>  
Frictionless python framework: <http://framework.frictionlessdata.io/>

29 May 2024 - 4:00 - 5:00 pm CEST

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Social Media [@Frictionlessd8a](#) and [Slack Channel](#) (+ [Matrix Bridge](#) if you prefer to use an open protocol)
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - **Frictionless Standard Review Update**  
<https://datapackage.org/>
    - Announcement blog:  
<https://frictionlessdata.io/blog/2023/11/15/frictionless-specs-update/>

- Announcement on GitHub:  
<https://github.com/frictionlessdata/specs/issues/854> , and Team:  
<https://github.com/orgs/frictionlessdata/teams/data-package-working-group/members?query=>
  - Roadmap: <https://github.com/frictionlessdata/specs/milestone/7>
  - Live tracker:  
<https://github.com/frictionlessdata/specs/issues/853>
- We are getting closer to the first **Data Package v2 final release!** Only a 4 topics left [on the list](#):
  - **Data Representation Model**
  - **Categorical data**
  - [Metadata](#) recipe for Table Schema
- AOB
  - Next Community Call: June 20th - what about extending it of ~30 mins and having a [documentation review](#) session?
  - Would you like to present something at one of the upcoming community calls? Let us know via this form:  
<https://forms.gle/tKeiDjkpsGseLauk7>
  - Our roadmap is online. Go and have a look:  
<https://frictionlessdata.io/development/roadmap/>
  - Our community is on Slack. [Please join our channel!](#) Also via Matrix:  
<https://matrix.to/#/#frictionlessdata:matrix.okfn.org>
  - Anything you'd like to discuss next time? Feel free to fill your suggestions below!
  - Frictionless project website: <https://frictionlessdata.io/>
  - Frictionless python framework: <http://framework.frictionlessdata.io/>

25 April 2024 - 4:00 - 5:00 pm CET

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Social Media [@Frictionlessd8a](#) and [Slack Channel](#) (+ [Matrix Bridge](#) if you prefer to use an open protocol)
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - **Frictionless Standard Review Update**  
<https://datapackage.org/>
    - Announcement blog:  
<https://frictionlessdata.io/blog/2023/11/15/frictionless-specs-update/>
    - Announcement on GitHub:  
<https://github.com/frictionlessdata/specs/issues/854> , and Team:  
<https://github.com/orgs/frictionlessdata/teams/data-package-working-group/members?query=>
    - Roadmap: <https://github.com/frictionlessdata/specs/milestone/6>
    - Live tracker:  
<https://github.com/frictionlessdata/specs/issues/853>
  - We are getting closer to the first **Data Package v2 final release!** Only a few items left [on the list](#), e.g.:
    - **Data representation**  
<https://github.com/frictionlessdata/datapackage/pull/49>  
  
Related topic: we are deciding on a lot of things we are not sure about. Maybe we need to try things out. Community is leaning toward conservatism. Maybe we can have a “provisional

release” phase, and then either be deprecated or supported by the Standard. We will need to add a process for deprecation. – Versioning is useful for that.

- **Categorical data**
- **Multi-language support**
- **Versioning (a retrospective)**
- <https://github.com/frictionlessdata/specs/pull/859#issuecomment-2042195974>

- Standards authors
  - Based on commits on GitHub?
  - Who wants to be listed?
- Profiles immutability / non-breaking
- `custom properties naming convention`
- CKAN/Zenodo/Dryad - the big 3?
- AOB
  - Next Community Call: May 30th.
  - Would you like to present something at one of the upcoming community calls? Let us know via this form:  
<https://forms.gle/tKeiDjkpsGseLauk7>
  - Our roadmap is online. Go and have a look:  
<https://frictionlessdata.io/development/roadmap/>
  - Our community is on Slack. [Please join our channel!](#) Also via Matrix:  
<https://matrix.to/#/#frictionlessdata:matrix.okfn.org>
  - Anything you'd like to discuss next time? Feel free to fill your suggestions below!
  - Frictionless project website: <https://frictionlessdata.io/>
  - Frictionless python framework: <http://framework.frictionlessdata.io/>



21 March 2024 - 4:00 - 5:00 pm CET

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Social Media [@Frictionlessd8a](#) and [Slack Channel](#) (+ [Matrix Bridge](#) if you prefer to use an open protocol)
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - **Frictionless Specs Review Update**  
<https://specs.frictionlessdata.io/>
    - Announcement blog:  
<https://frictionlessdata.io/blog/2023/11/15/frictionless-specs-update/>
    - Announcement on GitHub:  
<https://github.com/frictionlessdata/specs/issues/854> , and Team:  
<https://github.com/orgs/frictionlessdata/teams/data-package-working-group/members?query=>
    - Roadmap: <https://github.com/frictionlessdata/specs/milestone/6>
    - Live tracker:  
<https://github.com/frictionlessdata/specs/issues/853>
  - We are getting closer to the first **Data Package v2 Draft**! Only a few items left [on the list](#), e.g.:
    - **Versioning**, a more detailed proposal is on its way
    - **Table Dialect**
      - <https://github.com/frictionlessdata/specs/issues/697>

- [Multi-line header rows · Issue #681 · frictionlessdata/specs · GitHub](#)
  - <https://github.com/frictionlessdata/specs/issues/344>
- Working Group / Steering Committee
  - What if people don't answer? Shall we remove them from the Working Group?
    - This needs to be added to the governance: <https://datapackage.org/standard/governance/>
- AOB
  - Next Community Call: April 25th.
  - [Open Data Editor](#) – we are running user testing interviews with non-tech audiences working with data. Anyone interested in participating? Get in touch with Romina Colman.  
<https://frictionlessdata.slack.com/archives/C0369HZ2SLT/p1710843041416899>
  - Would you like to present something at one of the upcoming community calls? Let us know via this form: <https://forms.gle/tKeiDjkpsGseLauk7>
  - Our roadmap is online. Go and have a look: <https://frictionlessdata.io/development/roadmap/>
  - Our community is on Slack. [Please join our channel!](#) Also via Matrix: <https://matrix.to/#/#frictionlessdata:matrix.okfn.org>
  - Anything you'd like to discuss next time? Feel free to fill your suggestions below!
  - Frictionless project website: <https://frictionlessdata.io/>
  - Frictionless python framework: <http://framework.frictionlessdata.io/>

# 22 February 2024 - 4:00 - 5:00 pm CET

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Social Media [@Frictionlessd8a](#) and [Slack Channel](#) (+ [Matrix Bridge](#) if you prefer to use an open protocol)
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - **Frictionless Specs Review Update**  
<https://specs.frictionlessdata.io/>
    - Announcement blog:  
<https://frictionlessdata.io/blog/2023/11/15/frictionless-specs-update/>
    - Announcement on GitHub:  
<https://github.com/frictionlessdata/specs/issues/854> , and Team:  
<https://github.com/orgs/frictionlessdata/teams/data-package-working-group/members?query=>
    - Roadmap: <https://github.com/frictionlessdata/specs/milestone/6>
    - Live tracker:  
<https://github.com/frictionlessdata/specs/issues/853>
  - Spec update rules:  
<https://github.com/frictionlessdata/specs/issues/858#issuecomment-1914820238>

These rules need to be added to the governance page:

<https://datapackage.org/standard/governance/>

We need to decide whether to make it backwards compatible or version the spec.

An example is `role` for contributor (a string). There is a suggestion to have `roles` (an array of multiple roles)

- Versionless: reuse “role” and allow string and array
- With versions: role (string) in v1, roles (array) in v2
- One way of doing this would be to have versioning, but giving a long time for people to adapt to the supported version. This would allow us to introduce some breaking changes (better do it now, than in 5 years when adoption is broader, and then it is more difficult to change). Data publishers will need to add a versioning number in their Data Package JSON.
- Versioning would allow for more flexibility in the future.
- We'll need to clarify what a breaking change is.
- Let's create an issue for versioning for WG to vote (similar to <https://github.com/frictionlessdata/specs/issues/444>). Check [semver.org](https://semver.org) for versioning semantics.
- Working group discussion on issues to be included in the v2:
  - Any issue you want to advocate for:  
<https://github.com/frictionlessdata/specs/milestone/6>
  - `codeList` attribute
    - There is an ongoing discussion about supporting categorical data:  
<https://github.com/frictionlessdata/specs/issues/875>
      - + corresponding issue for labelled missingness:  
<https://github.com/frictionlessdata/specs/issues/880>

- We should try to agree on a core domain model.
- Working Group / Steering Committee
  - What if people don't answer? Shall we remove them from the Working Group?
  - This needs to be added to the governance:
   
<https://datapackage.org/standard/governance/>
- AOB
  - Next Community Call: March 21st.
  - Would you like to present something at one of the upcoming community calls? Let us know via this form:
   
<https://forms.gle/tKeiDjkpsGseLauk7>
  - Our roadmap is online. Go and have a look:
   
<https://frictionlessdata.io/development/roadmap/>
  - Our community is on Slack. [Please join our channel!](#) Also via Matrix:
   
<https://matrix.to/#/#frictionlessdata:matrix.okfn.org>
  - Anything you'd like to discuss next time? Feel free to fill your suggestions below!
  - Frictionless project website: <https://frictionlessdata.io/>
  
Frictionless python framework: <http://framework.frictionlessdata.io/>

25 January 2024 - 4:00 - 5:00 pm CET

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Social Media [@Frictionlessd8a](#) and [Slack Channel](#) (+ [Matrix Bridge](#) if you prefer to use an open protocol)
  - What's your field of study?
- Any items for the agenda? Feel free to share below!

- Community announcements/sharing
  - **Frictionless Specs Review Update**  
<https://specs.frictionlessdata.io/>  
 Announcement blog:  
<https://frictionlessdata.io/blog/2023/11/15/frictionless-specs-update/>
  - Announcement on GitHub:  
<https://github.com/frictionlessdata/specs/issues/854> , and Team:  
<https://github.com/orgs/frictionlessdata/teams/data-package-working-group/members?query=>
  - Issue List:  
<https://github.com/frictionlessdata/specs/issues?q=is%3Aissue+is%3Aopen+sort%3Areactions-%2B1-desc>
    - Shall we use the voting system as priority mechanism?

Lists are hard to understand. Which one should he be looking at? There are milestones. We have a Livetracker which tracking progress, but the voting list would be about flagging new feature we would need to start prioritise –

- Decision-making mechanism. ATM:  
*The action proposed will be accepted if consensus with the working group is reached, meaning we have arrived at a decision, or at least a compromise, that everyone can live with. Consensus is reached and the issue is closed if at least  $\frac{2}{3}$  of the working group members participate in the discussion and express their favourable opinion. In case of serious and explicitly stated concerns, working group members who are core library investors (at the moment: OKFN, INBO, Datopian) may veto a proposed action. Source:*  
<https://frictionlessdata.io/blog/2023/11/15/frictionless-specs-update/#additional-deliverables> :

What happens in case of a neutral reaction? E.g.

<https://github.com/frictionlessdata/datapackage/pull/6>

- Process for cleaning Specs navigation and other non functional stuff
  - Anyone interested in reviewing this?
    - Peter: my main issue with the navigation (that should be solved) is that deep anchors get updated:  
<https://specs.frictionlessdata.io/data-package/#name>  
becomes  
<https://specs.frictionlessdata.io/data-package/#metadata>  
when you click them
    - Is that something that OKFN can develop and then the community takes a look once it is a “reviewable” state
- Patterns. E.g. <https://github.com/frictionlessdata/specs/pull/859>
  - How do we decide about those?
  - Is it OK to have a not fully refined pattern?
  - Are patterns kind of `labs`? What are patterns actually?? A way to extend the spec, before actually being part of it.

Its difficult to consider all patterns equal. We will need to go over them 1 by 1 to see if they can be part of the spec or not.

Rename the patterns as Cook Book (or similar name) /and include them as documentation but NOT in the specs (and make it very clear that they are not).

Lets try to simplify and cut out what is not needed, and can be removed.

- `intake` integration: <https://anaconda.org/anaconda/intake>
- Working Group Discussion:
  - AOB
  - Next Community Call: February 22nd

- We are presenting the Specs update at FOSDEM:  
<https://fosdem.org/2024/schedule/event/fosdem-2024-3109-updating-open-data-standards/>  
 Come and say hi if you are in Brussels! The talk will also be live streamed.
- Csv,conf is going to Puebla (Mexico) in May! CfP open until January 31st. More info: <https://csvconf.com/>
- Would you like to present something at one of the upcoming community calls? Let us know via this form:  
<https://forms.gle/tKeiDjkpsGseLauk7>
- Our roadmap is online. Go and have a look:  
<https://frictionlessdata.io/development/roadmap/>
- Our community is on Slack. [Please join our channel](#)! Also via Matrix:  
<https://matrix.to/#/#frictionlessdata:matrix.okfn.org>
- Anything you'd like to discuss next time? Feel free to fill your suggestions below!
- Frictionless project website: <https://frictionlessdata.io/>  
 Frictionless python framework: <http://framework.frictionlessdata.io/>

30 November 2023 - 4:00 - 5:00 pm CET

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Social Media [@Frictionlessd8a](#) and [Slack Channel](#) (+ [Matrix Bridge](#) if you prefer to use an open protocol)
  - What's your field of study?
- Any items for the agenda? Feel free to share below!



- Community announcements/sharing
  - **Frictionless Specs Review Update**  
<https://specs.frictionlessdata.io/>  
 Announcement blog:  
<https://frictionlessdata.io/blog/2023/11/15/frictionless-specs-update/>
  - Working Group Discussion:
  - Announcement on GitHub:  
<https://github.com/frictionlessdata/specs/issues/854> , and Team:  
<https://github.com/orgs/frictionlessdata/teams/data-package-working-group/members?query=>
- AOB
  - Next Community Call: January 25th.
  - We are co-hosting the FOSDEM Open Research Devroom. CfP is open until December 10th. The conf is happening on site in Brussels on Feb 3rd, and we have an (unofficial) online event the week after. More info: <https://research-fosdem.github.io/>
  - Csv,conf is going to Publa (Mexico) in May! CfP open until January 10th. More info: <https://csvconf.com/>
  - Would you like to present something at one of the upcoming community calls? Let us know via this form: <https://forms.gle/tKeiDjkpsGseLauk7>
  - Our roadmap is online. Go and have a look: <https://frictionlessdata.io/development/roadmap/>
  - Our community is on Slack. [Please join our channel](#)! Also via Matrix: <https://matrix.to/#/#frictionlessdata:matrix.okfn.org>
  - Anything you'd like to discuss next time? Feel free to fill your suggestions below!

- Frictionless project website: <https://frictionlessdata.io/>
- Frictionless python framework: <http://framework.frictionlessdata.io/>

25 October 2023 - 4:00 - 5:00 pm CEST

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Social Media [@Frictionlessd8a](#) and [Slack Channel](#) (+ [Matrix Bridge](#) if you prefer to use an open protocol)
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - **Frictionless Specs Review**  
After 5 years from the release of Data Package v1, it's now time for an update. 🚀  
<https://specs.frictionlessdata.io/>
  - Discussion:
- AOB
  - Next Community Call: November 30th.
  - Would you like to present something at one of the upcoming community calls? Let us know via this form:  
<https://forms.gle/tKeiDjkpsGseLauk7>
  - Our roadmap is online. Go and have a look:  
<https://frictionlessdata.io/development/roadmap/>
  - Our community is on Slack. [Please join our channel!](#) Also via Matrix:  
<https://matrix.to/#/#frictionlessdata:matrix.okfn.org>
  - Anything you'd like to discuss next time? Feel free to fill your suggestions below!

- Frictionless project website: <https://frictionlessdata.io/>
- Frictionless python framework: <http://framework.frictionlessdata.io/>

28 September 2023 - 4:00 - 5:00 pm CEST

## Agenda

- We are finally back after a long break!

Welcome and introductions: Icebreaker! [10m]

- Social Media [@Frictionlessd8a](#) and [Slack Channel](#)
- What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - Frictionless application **Open Data Editor**  
(<https://opendataeditor.okfn.org/>)  
A presentation + demo by Evgeny Karev
  - Discussion:
- AOB
  - We are kickstarting the review of the specs. Let us know if you want to contribute to that.
  - Next Community Call: October 26th, we are going to tell you about the specs revamp!
  - Would you like to present something at one of the upcoming community calls? Let us know via this form:  
<https://forms.gle/tKeiDjkpsGseLauk7>
  - Our roadmap is online. Go and have a look:  
<https://frictionlessdata.io/development/roadmap/>

- Our community is on Slack. [Please join our channel!](#) Also via Matrix: <https://matrix.to/#/#frictionlessdata:matrix.okfn.org>
- Anything you'd like to discuss next time? Feel free to fill your suggestions below!
- Frictionless project website: <https://frictionlessdata.io/>  
Frictionless python framework: <http://framework.frictionlessdata.io/>

29 June 2023 - 4:00 - 5:00 pm CEST

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Link to meeting doc
  - Social Media [@Frictionlessd8a](#) and [Slack Channel](#)
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - This will be a hands-on session on strange datasets and how to describe them! 🤖
  - Discussion:
- AOB
  - Next Community Call: August 24th (!) No call in July
  - Would you like to present something at one of the upcoming community calls? Let us know via this form: <https://forms.gle/tKeiDjkpsGseLauk7>
  - Our roadmap is online. Go and have a look: <https://frictionlessdata.io/development/roadmap/>
  - Our community is on Slack. [Please join our channel!](#) Also via Matrix: <https://matrix.to/#/#frictionlessdata:matrix.okfn.org>

- Anything you'd like to discuss next time? Feel free to fill your suggestions below!
- Frictionless project website: <https://frictionlessdata.io/>  
Frictionless python framework: <http://framework.frictionlessdata.io/>

25 May 2023 - 4:00 - 5:00 pm CET

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Link to meeting doc
  - Social Media [@Frictionlessd8a](#) and [Slack Channel](#)
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - Augusto Herrmann on [FastETL](#), a free and open source software library that makes it easier to integrate heterogeneous data sources and to publish open data. Augusto will tell us how to use it with the Frictionless Framework & Tabular Data Package to process data pipelines and to publish open data.
  - Augusto's slides available here:  
<https://herrmann.tech/slide-decks/2023/05/integrating-data-sources-and-publishing-open-data-with-fastetl-airflow-and-frictionless>
  - FastETL: <https://github.com/gestaogovbr/FastETL>
  - Discussion:
- AOB
  - Next Community Call: June 29th

- Would you like to present something at one of the upcoming community calls? Let us know via this form:  
<https://forms.gle/tKeiDjkpsGseLauk7>
- Our roadmap is online. Go and have a look:  
<https://frictionlessdata.io/development/roadmap/>
- Our community is on Slack. [Please join our channel](#)! Also via Matrix:  
<https://matrix.to/#/#frictionlessdata:matrix.okfn.org>
- Anything you'd like to discuss next time? Feel free to fill your suggestions below!
- Frictionless project website: <https://frictionlessdata.io/>  
Frictionless python framework: <http://framework.frictionlessdata.io/>

27 April 2023 - 4:00 - 5:00 pm CET



## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Link to meeting doc
  - Social Media [@Frictionlessd8a](#) and [Slack Channel](#)
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - Keith Hughitt's ideas on how we can improve support for non-tabular data, and on a spec for describing the relationship between datasets.
    - What brought Keith here?
      - The idea of datasets that can be used and combined like lego blocks; transparency

- Discussion:
- 
- AOB
  - Next Community Call: May 25th
  - Would you like to present something at one of the upcoming community calls? Let us know via this form:  
<https://forms.gle/tKeiDjkpsGseLauk7>
  - Frictionless Application beta released at csv,conf last week:  
<https://application.frictionlessdata.io/>
  - Oleg would love to freshen up <https://frictionless.dribdat.cc/> and see an event planned to dig into the latest and greatest tools here! If anyone is motivated to find a date a set this up, join the discussion in #adoption
  - Our roadmap is online. Go and have a look:  
<https://frictionlessdata.io/development/roadmap/>
  - Our community is on Slack. [Please join our channel!](#) Also via Matrix:  
<https://matrix.to/#/#frictionlessdata:matrix.okfn.org>
  - Anything you'd like to discuss next time? Feel free to fill your suggestions below!
  - Vote for new Frictionless features you would like to see:  
<https://github.com/frictionlessdata/frictionless-py/issues/486>
  - Frictionless project website: <https://frictionlessdata.io/>  
Frictionless python framework: <http://framework.frictionlessdata.io/>

30 March 2023 - 4:00 - 5:00 pm CET

# Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Link to meeting doc
  - Social Media [@Frictionlessd8a](#) and [Slack Channel](#)
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - Frictionless' new features:
    - the Metadata Editor
    - the new CLI commands.
      - AH: What is the minimum version of the Frictionless Framework for using those new commands?
      - EK: 5.10.3
      - AH: frictionless validate  
<https://repositorio.dados.gov.br/seges/raio-x/raiox-2023-01.zip> says it's valid, but frictionless script  
<https://repositorio.dados.gov.br/seges/raio-x/raiox-2023-01.zip> says: [error] Resource with data type "file" is not indexables. Is there something wrong with our data package?
      - Can we publishing endpoint info, including to GitHub
      - Failure for tabular-data-package:  
<https://github.com/frictionlessdata/framework/issues/1468>
    - Evgeny's presentation:  
 Data wrangling with Frictionless Framework
  - Governance
    - Sara's presentation:  Frictionless Governance Overview



- Discussion:
  -
- AOB
  - Registrations are open for [csv,conf v7](https://www.eventbrite.com/e/csvconfv7-tickets-493910558777)! The first one in South America, join us in Buenos Aires on 19-20 April, we are officially releasing the Frictionless Application there and we will have an OKF parallel event too. Registrations are open:  
<https://www.eventbrite.com/e/csvconfv7-tickets-493910558777>
  - Next Community Call: April 27th. Keith will share with us his ideas on how to improve support for non-tabular data, a proposed abstract data model, and a specification for describing the relationship between datasets.
  - Would you like to present something at one of the upcoming community calls? Let us know via this form:  
<https://forms.gle/tKeiDjkpsGseLauk7>
  - Oleg would love to freshen up <https://frictionless.dribdat.cc/> and see an event planned to dig into the latest and greatest tools here! If anyone is motivated to find a date a set this up, join the discussion in #adoption
  - Our roadmap is online. Go and have a look:  
<https://frictionlessdata.io/development/roadmap/>
  - Our community is on Slack. [Please join our channel](#)! Also via Matrix:  
<https://matrix.to/#/#frictionlessdata:matrix.okfn.org>
  - Anything you'd like to discuss next time? Feel free to fill your suggestions below!
  - Vote for new Frictionless features you would like to see:  
<https://github.com/frictionlessdata/frictionless-py/issues/486>

- Frictionless project website: <https://frictionlessdata.io/>
- Frictionless python framework: <http://framework.frictionlessdata.io/>

23 February 2023 - 4:00 - 5:00 pm CET

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Link to meeting doc
  - Social Media @Frictionlessd8a and [Slack Channel](#)
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - A presentation on generating spreadsheet templates from Frictionless Tabular Data Package metadata as part of Ethan Welty's database curation software for the World Glacier Monitoring Service.  
More info: <https://gitlab.com/wgms/dbc>  
Newly published repo on Github: <https://github.com/ezwelty/tablecloth>
- Discussion:
  - [https://zenodo.org/search?page=1&size=20&q=glacier&access\\_right=open&file\\_type=csv&sort=mostrecent](https://zenodo.org/search?page=1&size=20&q=glacier&access_right=open&file_type=csv&sort=mostrecent)
  - Here is the article Ethan just mentioned:  
<https://essd.copernicus.org/articles/12/3039/2020/>  
<https://www.frontiersin.org/articles/10.3389/fclim.2022.841103/full>
- AOB
  - Registrations are open for [csv.conf v7](#)! The first one in South America, join us in Buenos Aires on 19-20 April, we are officially releasing the Frictionless Application there and we will have an OKF parallel event

too. Registrations are open:

<https://www.eventbrite.com/e/csvconfv7-tickets-493910558777>

- Evgeny's presentation of the Frictionless Application at FOSDEM is now online. Have a look:

[https://fosdem.org/2023/schedule/event/openresearch\\_frictionless\\_application/](https://fosdem.org/2023/schedule/event/openresearch_frictionless_application/)

- Next Community Call: March 30th.
- Would you like to present something at one of the upcoming community calls? Let us know via this form:

<https://forms.gle/tKeiDjkpsGseLauk7>

- Our roadmap is online. Go and have a look:

<https://frictionlessdata.io/development/roadmap/>

- Our community is on Slack. [Please join our channel!](#) Also via Matrix:

<https://matrix.to/#/#frictionlessdata:matrix.okfn.org>

- Anything you'd like to discuss next time? Feel free to fill your suggestions below!

- Vote for new Frictionless features you would like to see:

<https://github.com/frictionlessdata/frictionless-py/issues/486>

- Frictionless project website: <https://frictionlessdata.io/>

Frictionless python framework: <http://framework.frictionlessdata.io/>

## 26 January 2023 - 4:00 - 5:00 pm CET

### Present

#### **Name | Affiliation (optional)**

Jesper Zedlitz | State Chancellery Schleswig-Holstein, Germany

Sara Petti | OKF

Oleg Lavrovsky | Switzerland

Michaelange TOE

# Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Link to meeting doc
  - Social Media [@Frictionlessd8a](#) and [Slack Channel](#)
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - A presentation on Frictionless Data & DCAT from Matteo Fortini

Here is an example from Schleswig-Holstein's portal:

<https://opendata.schleswig-holstein.de/dataset/marktplatz-autos-2023>

Jesper says: We did not find a good way to attach the Frictionless Specification to the dcat:Distribution. Therefore, we created a separate Distribution for the Frictionless Tabular Data Resource.

Switzerland took the same approach as Jesper, linking the frictionless spec as a separate Distribution. They are however unsure about it...

looks like a misuse of the DCAT Class. See here an example:

<https://opendata.swiss/de/dataset/vollzugsresultate-der-co2-emission-svorschriften-fur-lieferwagen-und-leichte-sattelschlepper>

Dan says they are wrestling with this too. Their catalog software stores natively in DCAT but they are trying to implement schemas and it's difficult to figure out a storage schema that will work with both

DCAT-US has a dataDictionary field that is similar to schema but it just takes a URL so we are trying to figure out a referencing scheme

that renders differently depending on how it's requested, but its very messy

There was a long discussion around mapping Frictionless & DCAT in the past (led by Augusto & Ayrton):

<https://github.com/frictionlessdata/frictionlessdata.io/issues/551>

- AOB

- We are going to FOSDEM! On Feb 4th at 5pm CET, Evgeny is giving an overview of the Frictionless Application (to be released in April). You can follow the talk online (via Matrix):

[https://fosdem.org/2023/schedule/event/openresearch\\_frictionless\\_application/](https://fosdem.org/2023/schedule/event/openresearch_frictionless_application/)

- Registrations are open for csv,conf v7! The first one in South America, join us in Buenos Aires on 19-20 April, we are officially releasing the Frictionless Application there and we will have an OKF parallel event too.

- Next Community Call: February 24th.

- Would you like to present something at one of the upcoming community calls? Let us know via this form:

<https://forms.gle/tKeiDjkpsGseLauk7>

- Our roadmap is online. Go and have a look:

<https://frictionlessdata.io/development/roadmap/>

- Our community is on Slack. [Please join our channel!](#) Also via Matrix:

<https://matrix.to/#/#frictionlessdata:matrix.okfn.org>

- Anything you'd like to discuss next time? Feel free to fill your suggestions below!

- Vote for new Frictionless features you would like to see:  
<https://github.com/frictionlessdata/frictionless-py/issues/486>
- Frictionless project website: <https://frictionlessdata.io/>  
Frictionless python framework: <http://framework.frictionlessdata.io/>

## Zoom chat:

- Augusto Herrmann: There is a long discussion about it here:  
<https://github.com/frictionlessdata/frictionlessdata.io/issues/551>
- Jesper Zedlitz: Here is an example from Schleswig-Holstein's portal:  
<https://opendata.schleswig-holstein.de/dataset/marktplatz-autos-2023>
- Augusto Herrmann: The unfinished mapping I started years ago is in this spreadsheet:  
<https://docs.google.com/spreadsheets/d/1XdqGTFni5Jfs8AMbcbfsP7m11h9mOHS0eDtUZtqGVsg/edit#gid=729988073>
- Jesper Zedlitz: We did not find a good way to attach the Frictionless Specification to the dcat:Distribution. Therefore, we created a separate Distribution for the Frictionless Tabular Data Resource.
- Dan Feder: Jesper we are wrestling with this too. Our catalog software stores natively in DCAT but we are trying to implement schemas and it's difficult to figure out a storage schema that will work with both
- Dan Feder: DCAT-US has a dataDictionary field that is similar to schema but it just takes a URL so we are trying to figure out a referencing scheme that renders differently depending on how it's requested, but its very messy

- Ambrogio Foletti: We took the same approach as @Jesper, linking the frictionless spec as a separate Distribution. I am however unsure about it... looks like a misuse of the dcat Class
- Ambrogio Foletti: See here an example:  
<https://opendata.swiss/de/dataset/vollzugsresultate-der-co2-emission-svorschriften-fur-lieferwagen-und-leichte-sattelschlepper>
- Jesper Zedlitz: For me it also looks like misuse of dcat:Distribution
- Sylvestre: I consider storing the schéma as a different dataset with its distribution, then link the dataset with the schéma with a dct:conformsTo
- Matteo Fortini: <https://github.com/italia/anpr-opendata>
- Matteo Fortini: <https://github.com/teamdigitale/padigitale2026-opendata>
- Oleg (Opendata.ch): Yes, I was just wondering if that's linked in <https://www.anagrafenazionale.interno.it/servizi-anagrafici/rettifica-dati/>
- Matteo Fortini: The page you're looking for is <https://www.anagrafenazionale.interno.it/anpr/numeri/>
- Augusto Herrmann: There is a CSV on the Web specification from the W3C, but it looks more concerned with mapping CSV to RDF than data validation: <https://www.w3.org/TR/tabular-data-primer/>
- Jesper Zedlitz: I think Frictionless Specification is much more advanced.
- Matteo Fortini: @Augusto that is another nice issue, having data inside a document, which is something we dream of too
- Dan Feder: yes between schema and csv dialect i don't think there is anything else there that is platform-independent and solves this need of describing CSVs this precisely

- Jesper Zedlitz: France also uses Frictionless Table Schema:  
<https://schema.data.gouv.fr/>
- Dan Feder: I think there is an effort or at least idea to create RDF or JSON-LD specs to make frictionless more interoperable with other "semantic web" type standards?
- Sara Petti - Open Knowledge Foundation: I think so, there were some discussion around that in the past. Evgeny would know more about that.
- Oleg (Opendata.ch): It would be good to see Frictionless Data at least better documented in DCAT v3, where currently it is just one of several container formats. Check out the W3C process, ex at <https://github.com/w3c/dxwg/issues/973>
- Augusto Herrmann: The RDFa W3C standard for embedding data in HTML documents I mentioned: <https://www.w3.org/TR/rdfa-core/>
- Oleg (Opendata.ch): Instead of being fully two way translatable, I would aim for good tools that help to convert commercial/community Frictionless projects to industrial/government portal contexts.  
Something like this? <https://dashboard.data.gov/validate>  
Ooooh can we have a call just about OpenAPI & Frictionless?
- Augusto Herrmann: Dan, what you are suggesting about JSON-LD makes a lot of sense and has been discussed here:  
<https://github.com/frictionlessdata/specs/issues/218>
- Dan Feder: Here's the DCAT-US version  
<https://resources.data.gov/schemas/dcat-us/v1.1/schema/catalog.jsonld>
- To follow up on Decembers presentation :) Join #web-components ...
- Matteo Fortini: If anyone is curious about jsonld extensions to openapi <https://ioggstream.github.io/swagger-editor/>



- Looking forward to meeting with us next time? Let us know on [Slack](#) or [Twitter!](#)

22 December - 4:00 - 5:00 pm CET

## Present

Name | Affiliation (optional)

- Peter Desmet | INBO
- Sara Petti
- Nikesh Balami
- Michaela Lange TOE

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Link to meeting doc
  - Social Media [@Frictionlessd8a](#) and [Slack Channel](#)
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - Data Package as a Service, to make open data small, self-published, and actionable from Oleg Lavrovsky.

Everything started at a Hackathon, and the conversation went on in the community chat:

<https://frictionlessdata.slack.com/archives/C0369JLDJ1Z/p1668597797541189>

- AOB

- Next Community Call: January 26th, we are going to hear about Frictionless & DCAT Data from Matteo Fortini.
  - Would you like to present something at one of the upcoming calls? Let us know: <https://forms.gle/hE1QsVLZvJ8sLEbQ8>
- Our roadmap is online. Go and have a look:  
<https://frictionlessdata.io/development/roadmap/>
- Our community is on Slack. [Please join our channel!](#) Also via Matrix:  
<https://matrix.to/#/#frictionlessdata:matrix.okfn.org>
- Anything you'd like to discuss next time? Feel free to fill your suggestions below!
- Vote for new Frictionless features you would like to see:  
<https://github.com/frictionlessdata/frictionless-py/issues/486>
- Frictionless project website: <https://frictionlessdata.io/>  
Frictionless python framework: <http://framework.frictionlessdata.io/>
- Looking forward to meeting with us next time? Let us know on [Slack](#) or [Twitter!](#)

1 December - 4:00 - 5:00 pm CET

## Present

### Name | Affiliation (optional)

- Éder Porto | WMB
- Sara Petti | OKF
- Edgar Zanella | OKF
- Yoana Popova | Datopian
- Oleg LAVORVSKY | Opendat.ach
- Stefano Costa | Ministero della Cultura, Italia
- Gabriel Braico Dornas | Controladoria Geral do Estado de Minas Gerais, Brazil

# Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Link to meeting doc
  - Social Media [@Frictionlessd8a](#) and [Slack Channel](#)
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - Frictionless Data - CKAN integration - from Edgar Zanella
  - Question from Augusto: What if the CKAN instance has FileStorage disabled? Can you upload the resource to a different URL?
- If there's time:
  - Question from Dan F about ETL pipeline for reading *large* tabular data resource into SQL database
  - Questions from Jesper: How can FD be used to visualize data? Usage of FD in open government data portals
- AOB
  - Next Community Call: December 22. We don't have a presentation yet. Anyone interested in presenting something?
  - We are co-organising the Open Research Tools & Technologies track at FOSDEM 2023. The conference will be 75% physical in Brussels and 25% online. Consider applying:  
<https://research-fosdem.github.io/>
  - Our roadmap is online. Go and have a look:  
<https://frictionlessdata.io/development/roadmap/>
  - Our community is on Slack. [Please join our channel!](#) Also via Matrix:  
<https://matrix.to/#/#frictionlessdata:matrix.okfn.org>

- Would you like to present your project at one of the next community calls? Let us know: <https://forms.gle/n2kFX7bbgJzdYXyF7>
- Anything you'd like to discuss next time? Feel free to fill your suggestions below!
- Vote for new Frictionless features you would like to see: <https://github.com/frictionlessdata/frictionless-py/issues/486>
- Frictionless project website: <https://frictionlessdata.io/>  
Frictionless python framework: <http://framework.frictionlessdata.io/>
- Looking forward to meeting with us next time? Let us know on [Slack](#) or [Twitter!](#)

27 October - 4:00 - 5:00 pm CEST


## Present

### Name | Affiliation (optional)

- Andres Vazquez OKFN
- Sara Petti OKFN
- Jesper Zedlitz (State Chancellery Schleswig-Holstein, Germany)
- Oleg Lavrovsky (Opendata.ch - Swiss chapter of OKFN)
- Taras Novak (Random Fractals, Inc.)

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Link to meeting doc
  - Social Media [@Frictionlessd8a](#) and [Slack Channel](#)
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing

- Frictionless Data developer Shashi Gharti will present the Frictionless Zenodo integration.
- Slides:  Zenodo Integration with Frictionlesspy
- Demo: [github/fdtester/demo-integrations](https://github.com/fdtester/demo-integrations)
- If there's time:
  - Question from Dan F about ETL pipeline for reading *large* tabular data resource into SQL database
  - Questions from Jesper: How can FD be used to visualize data? Usage of FD in open government data portals
- AOB
  - Next Community Call: November ?. We don't have a presentation yet. Anyone interested in presenting something?
  - We are co-organizing csv,conf v7 in Buenos Aires. csv,conf is a community event for datamakers from all around the world. Calls for proposals are open until November 25th. More info: <https://csvconf.com/about/>
  - We published an article on Frictionless Data standards, and we talked about dados.gov.br & BCO-DMO (among others!). Check it out: <https://commonplace.knowledgefutures.org/pub/8x7oeawa/release/1?readingCollection=10ba8b01>
  - Having community calls at different times to allow people from different time zones to attend comfortably. What do you think?
  - Our roadmap is online. Go and have a look: <https://frictionlessdata.io/development/roadmap/>
  - Our community is on Slack. [Please join our channel](#)! Also via Matrix: <https://matrix.to/#/#frictionlessdata:matrix.okfn.org>

- Would you like to present your project at one of the next community calls? Let us know: <https://forms.gle/n2kFX7bbgJzdYXyF7>
- Anything you'd like to discuss next time? Feel free to fill your suggestions below!
- Vote for new Frictionless features you would like to see:  
<https://github.com/frictionlessdata/frictionless-py/issues/486>
- Frictionless project website: <https://frictionlessdata.io/>  
Frictionless python framework: <http://framework.frictionlessdata.io/>
- For those interested in Frictionless Data for biodiversity data, I'm co-organizing a webinar on Nov 9:  
<https://www.gbif.org/event/f68927-b5c1-4ac8-a4ac-7d47645/exploring-camera-trap-data>
- Looking forward to meeting with us next time? Let us know on [Slack](#) or [Twitter](#)!


25 August - 3:00 - 4:00 pm CEST

## Present

### Name | Affiliation (optional)

- Nikesh Balami - OKF
- Sara Petti | OKF
- Carles Pina Estany
- Jesper Zedlitz (state chancellery of the German federal state Schleswig-Holstein)
- Dan Feder | CivicActions/DKAN
- Andrés Vázquez | OKF
- Taras Novak | Random Fractals, Inc.
- Jen Thomas
- Gergo Szekely | GTI

# Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Link to meeting doc
  - Social Media [@Frictionlessd8a](#) and [Slack Channel](#)
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - Frictionless developer **Shashi Gharti** will present the Frictionless GitHub integration, to read and write data packages from/to GitHub repositories.
  - Link to Shashi's presentation:  
 Github Integration with Frictionlesspy
- If there's time:
  - Question from Dan F about ETL pipeline for reading *large* tabular data resource into SQL database
  - Questions from Jesper: How can FD be used to visualize data? Usage of FD in open government data portals
- AOB
  - Next Community Call: September 29th. Don't miss Senior Dev Evgeny Karev's presentation on Frictionless Framework v5!
  - Welcome Frictionless Framework v5! Beta release is out:  
<https://framework.frictionlessdata.io/blog/2022/08-22-frictionless-framework-v5.html>
  - Having community calls at different times to allow people from different time zones to attend comfortably. What do you think?
  - Our roadmap is online (published via Livemark!). Go and have a look:  
<https://software.frictionlessdata.io/>

- Our community is on Slack. [Please join our channel!](#) Also via Matrix: <https://matrix.to/#/#frictionlessdata:matrix.okfn.org>
- Would you like to present your project at one of the next community calls? Let us know: <https://forms.gle/n2kFX7bbgJzdYXyF7>
- Anything you'd like to discuss next time? Feel free to fill your suggestions below!
- Vote for new Frictionless features you would like to see: <https://github.com/frictionlessdata/frictionless-py/issues/486>
- Frictionless project website: <https://frictionlessdata.io/>  
Frictionless python framework: <http://framework.frictionlessdata.io/>
- Looking forward to meeting with us next time? Let us know on [Slack](#) or [Twitter!](#)

28 July - 3:00 - 4:00 pm CEST

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Link to meeting doc
  - Social Media [@Frictionlessd8a](#) and [Slack Channel](#)
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - David Raznick will tell us about Flatterer, a new tool that helps convert JSON into tabular data (<https://flatterer.opendata.coop/>)
    - <https://frictionlessdata.io/blog/2022/07/14/flatterer/>



- <https://deepnote.com/@david-raznick/Flatterer-Demo-15678671-ca7f-40a0-aed5-6004190d2611>

- AOB

- Next Community Call: TBD. We don't have any presentations scheduled yet. Is anyone here interested in presenting something?
- Framework v5 beta release in August. Keep an eye on it!
- Our roadmap is online (published via Livemark!). Go and have a look: <https://software.frictionlessdata.io/>
- Our community is on Slack. [Please join our channel!](#) Also via Matrix: <https://matrix.to/#/#frictionlessdata:matrix.okfn.org>
- Would you like to present your project at one of the next community calls? Let us know: <https://forms.gle/n2kFX7bbgJzdYXyF7>
- Anything you'd like to discuss next time? Feel free to fill your suggestions below!
- Vote for new Frictionless features you would like to see: <https://github.com/frictionlessdata/frictionless-py/issues/486>
- Frictionless project website: <https://frictionlessdata.io/>  
Frictionless python framework: <http://framework.frictionlessdata.io/>
- Looking forward to meeting with us next time? Let us know on [Slack](#) or [Twitter!](#)

30 June - 3:00 - 4:00 pm CEST

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Link to meeting doc
  - Social Media [@Frictionlessd8a](#) and [Slack Channel](#)
  - What's your field of study?

- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - Meet the 3rd cohort of **Frictionless Data Fellows** : **Melvin Adhiambo, Lindsay Gypin, Kevin Kidambasi, Victoria Stanley, and Guo-Qiang Zhang**, and learn more about their journey into reproducible research and open science!
  - Intro blog: [https://frictionlessdata.io/blog/2021/12/07/\\_3rd-cohort-fellows/](https://frictionlessdata.io/blog/2021/12/07/_3rd-cohort-fellows/)
  - Fellows website: <https://fellows.frictionlessdata.io/>
- AOB
  - Next Community Call: July 28th. Come and hear about Flatterer, a new tool that helps convert JSON into tabular data (<https://flatterer.opendata.coop/>), from David Raznick .
  - Our community has moved to Slack. [Please join our channel!](#) Also via Matrix now: <https://matrix.to/#/#frictionlessdata:matrix.okfn.org>
  - Would you like to present your project at one of the next community calls? Let us know: <https://forms.gle/n2kFX7bbgJzdYXyFZ>
  - Anything you'd like to discuss next time? Feel free to fill your suggestions below!
  - Vote for new Frictionless features you would like to see: <https://github.com/frictionlessdata/frictionless-py/issues/486>
  - Frictionless project website: <https://frictionlessdata.io/>  
Frictionless python framework: <http://framework.frictionlessdata.io/>
- Looking forward to meeting with us next time? Let us know on [Slack](#) or [Twitter!](#)

26 May - 2:00 - 3:00 pm GMT

## Present

- Sara Petti | OKF
- Lilly Winfree | Frictionless Data / OKF
- Carles Pina i Estany
- Yusuf Suleiman
- Kevin Kidambasi  
EarthHacks  
Melvin| Frictionless fellow

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Link to meeting doc
  - Social Media [@Frictionlessd8a](#) and [Slack Channel](#)
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - **Nick Kellett** and **Pan Khantidhara** from **Deploy Solutions** will be telling us about citizen-science and climate change solutions, using Frictionless Data.
  - What is getting citizens to act?
    - They feel overwhelmed
    - They feel information is not personalised to their needs
  - Frictionless Training for Students (presented by Justin Mosbey)
- AOB
  - Next Community Call: June 30. Come and meet the 3rd cohort of Frictionless Fellows!
  - Our community has moved to Slack. [Please join our channel!](#) Also via Matrix now: <https://matrix.to/#/#frictionlessdata:matrix.okfn.org>

- Would you like to present your project at one of the next community calls? Let us know: <https://forms.gle/n2kFX7bbgJzdYXyF7>
- Anything you'd like to discuss next time? Feel free to fill your suggestions below!
- Vote for new Frictionless features you would like to see:  
<https://github.com/frictionlessdata/frictionless-py/issues/486>
- Frictionless project website: <https://frictionlessdata.io/>  
Frictionless python framework: <http://framework.frictionlessdata.io/>
- Looking forward to meeting with us next time? Let us know on [Slack](#) or [Twitter!](#)

28 April - 2:00 - 3:00 pm GMT

## Present

Name | Affiliation (optional)

Anne Lee Steele, Turing Way, Alan Turing Institute

Carles Pina i Estany

Sara Petti |OKF

Yoana Popova | Datopian

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Link to meeting doc
  - Social Media [@Frictionlessd8a](#) and [Slack Channel](#)
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - **Anne Lee Steele** from **the Turing Way** will be sharing with us some best practices in open science.

- 240+ pages of awesome [reproducible, ethical and collaborative data science](#), created by ~300 researchers over the course of 3 years, written collaboratively via [GitHub PRs](#) - contrasting to the notion of single/small-authorship papers.
- See also [Write the Docs](#), a community of people “who care about documentation” 📖 ❤️
- A chapter on [Open Infrastructure](#) would fit with the ethos of Frictionless Data, Jupyter, and similar open source initiatives.  
Let's do a [Fireside Chat](#), talk about Livemark, Data Quality, etc.!
- AOB
  - Next Community Call: May 26th - we will be hearing about Deploy Solutions from [Nick Kellet](#).
  - Join the [Turing Way's Fireside Chat](#) tomorrow (29 April), 15:00 UTC, chaired by Anne & Lilly.
  - Our community has moved to Slack. [Please join our channel!](#)
  - Anything you'd like to discuss next time? Feel free to fill your suggestions below!
  - Vote for new Frictionless features you would like to see:  
<https://github.com/frictionlessdata/frictionless-py/issues/486>
  - Frictionless project website: <https://frictionlessdata.io/>  
Frictionless python framework: <http://framework.frictionlessdata.io/>
- Looking forward to meeting with us next time? Let us know on [Slack](#) or [Twitter!](#)

31 March - 2:00 - 3:00 pm GMT

## Present

**Name | Affiliation (optional)**

Jonathan Mitchell | innoviHealth

# Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Link to meeting doc
  - Social Media [@Frictionlessd8a](#) and [Slack Channel](#)
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - **Johan Richer** from **Multi** will discuss with us his theory of portal vs catalogue  
(<https://jailbreak.gitlab.io/investigation-catalogue/synthese.html#/3>)  
([shortcut to Google translation](#)) and will tell us about the latest catalogue prototype by Etalab (<https://www.data.gouv.fr/fr/>) currently in development (<https://github.com/etalab/catalogage-donnees>).
- AOB
  - Next Community Call: April 28th - we will be hearing about the Turing Way and open science practices from former Frictionless fellow Anne Lee Steele.
  - We are moving our community to Slack. Please join our channel:  
[https://join.slack.com/t/frictionlessdata/shared\\_invite/zt-17kpbffnm-tRfDW\\_wJgOw8tUVLvZTrBg](https://join.slack.com/t/frictionlessdata/shared_invite/zt-17kpbffnm-tRfDW_wJgOw8tUVLvZTrBg)
  - Anything you'd like to discuss next time? Feel free to fill your suggestions below!
  - Vote for new Frictionless features you would like to see:  
<https://github.com/frictionlessdata/frictionless-py/issues/486>
  - Frictionless project website: <https://frictionlessdata.io/>  
Frictionless python framework: <http://framework.frictionlessdata.io/>

- Looking forward to meeting with us next time? Let us know on [Slack](#) or [Twitter](#)!

24 February - 4:00 - 5:00 pm GMT

## Present

Name | Affiliation (optional)

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Link to meeting doc
  - Social Media [@Frictionlessd8a](#) and [Discord Channel](#)
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - **Ilya Kreymer & Ed Summers** are giving us an update on the standardisation of the WACZ format, on which he has been working together with Ed Summers.

More info: <https://webrecorder.github.io/wacz-spec/1.2.0/>

More about the grant webrecorder received:

<https://webrecorder.net/2021/10/13/devgrant-design-and-standards.html>

WACZ Format: <https://webrecorder.github.io/wacz-spec/>

Web recorder's tools: <https://webrecorder.net/tools>

Archiveweb.page tool: <http://archiveweb.page/>

- Discussion around signed Data Packages - using a custom datapackage-digest.json

<https://github.com/webrecorder/wacz-auth-spec/blob/main/spec.md#datapackage-digestjson-file>

Current signing proposal:

<https://github.com/webrecorder/wacz-auth-spec/blob/main/spec.md>

■ <https://webrecorder.github.io/wacz-spec/use-cases/>

- If anyone wants to participate in the interviews, you can sign up here: <https://schedule.undersco.re/team/webrecorder-x-ndc/research-interview>
- Anyone who has feedback or questions, feel free to reach out to us: [info@webrecorder.net](mailto:info@webrecorder.net)

- AOB

- Next Community Call: March 31st we are going to hear from Multi who is working with Etalab
- Frictionless Planet - making Frictionless Data standards & software more useful for climate data.
- Anything you'd like to discuss next time? Feel free to fill your suggestions below!
- Vote for new Frictionless features you would like to see: <https://github.com/frictionlessdata/frictionless-py/issues/486>
- Frictionless project website: <https://frictionlessdata.io/>

Frictionless python framework: <http://framework.frictionlessdata.io/>

- Looking forward to meeting with us next time? Let us know on [Discord](#) or [Twitter](#)!



# Topics for next time you would like to discuss?

27 January - 2:00 - 3:00 pm GMT

## Present

### Name | Affiliation (optional)

Sara Petti | Frictionless Data /OKF

Yoana Popova | Business Development Lead at Datopian

André Amorim | Minas Gerais Open Portal/dpckan team

Francisco Alves | Minas Gerais Open Portal/dpckan team

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Link to meeting doc
  - Social Media @Frictionlessd8a and Discord Channel
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - **Francisco Alves** is going to present DPCKAN, a tool to publish and update datasets described with Frictionless Standards in a CKAN instance.  
  
N.B. DPCKAN was the winning project at the 2021 Frictionless Hackathon! Refresh your memory of the hackathon with this recap blog: <https://frictionlessdata.io/blog/2021/10/13/hackathon-wrap/>  
  
Presentation is in the repo:  
<https://github.com/dados-mg/frictionless-hangout-jan2022>
  - Discussion



- AOB

- Next Community Call: February 24th and the presentation slot is still free. Anyone interested in presenting something?

- FOSDEM is happening on 5-6 February. It's online and free.

More info: <https://fosdem.org/2022/>

We are going to have a presentation of Livemark in the Open Research Tools & Technologies thematic track, on Feb 5th at 11:40. Come and see it, especially if you missed the one Evgeny did last year!

There are a lot of interesting talks in the track, take a look at the schedule:

[https://fosdem.org/2022/schedule/track/open\\_research\\_tools\\_and\\_technologies/](https://fosdem.org/2022/schedule/track/open_research_tools_and_technologies/)

- Frictionless Planet - making Frictionless Data standards & software more useful for climate data.

- Anything you'd like to discuss next time? Feel free to fill your suggestions below!

- Vote for new Frictionless features you would like to see:

<https://github.com/frictionlessdata/frictionless-py/issues/486>

- Frictionless project website: <https://frictionlessdata.io/>

Frictionless python framework: <http://framework.frictionlessdata.io/>

- Looking forward to meeting with us next time? Let us know on [Discord](#) or [Twitter](#)!

## Topics for next time you would like to discuss?

# 16 December 2021 - 2:00 - 3:00 pm GMT

## Present

### Name | Affiliation (optional)

Sara Petti | OKF

Augusto Herrmann

Lilly Winfree | OKF

Caitlin Augustin | DataKind (noting that I'll be recommending DataKind's Director of Technology, Larry Kilroy, to engage in the future)

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Link to meeting doc
  - Social Media [@Frictionlessd8a](#) and [Discord Channel](#)
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - **Keith Hughitt** is going to present some ideas around representing data processing flows as a DAG inside of a datapackage.json, and tools for interacting with and visualizing such DAGs
  - Discussion
    -
- AOB
  - Next Community Call: January 27th. We are going to hear from Francisco Alves about Data Package for CKAN
  - FOSDEM DevRoom deadline for submission extended to 23/12, it would be great to have a Frictionless presentation. Anyone interested? Let us know if you have something in mind, we would love to support

that.

<https://research-fosdem.github.io/>

- Open Knowledge Foundation is going to shut down for the winter holidays from 20 Dec to 3 Jan. We will be answering all of your questions asked during that time on Discord next year.
- Anything you'd like to discuss next time? Feel free to fill your suggestions below!
- Vote for new Frictionless features you would like to see:  
<https://github.com/frictionlessdata/frictionless-py/issues/486>
- Frictionless project website: <https://frictionlessdata.io/>  
Frictionless python framework: <http://framework.frictionlessdata.io/>
- Looking forward to meeting with us next time? Let us know on [Discord](#) or [Twitter](#)!

## Topics for next time you would like to discuss?

# 18 November 2021 - 2:00 - 3:00 pm GMT

## Present

**Name | Affiliation (optional)**

Sara Petti | OKF ,Steve Diggs | SIO, Jonathan Mitchell | innoviHealth,

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Link to meeting doc
  - Social Media [@Frictionlessd8a](#) and [Discord Channel](#)
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - A presentation on **Frictionless Data exchange format for camera trapping data** by **Peter Desmet**.  
Repo: [github.com/tdwg/camtrap-dp](https://github.com/tdwg/camtrap-dp)
  - Discussion
  -
- AOB
  - Next Community Call: December 16th, Keith Hughitt is going to present some ideas around representing data processing flows as a DAG inside of a datapackage.json, and tools for interacting with and visualizing such DAGs
  - FOSDEM DevRoom, it would be great to have a Frictionless presentation. Anyone interested? Submissions will start in a couple of

weeks. Let us know if you have something in mind, we would love to support that.

<https://research-fosdem.github.io/>

- Anything you'd like to discuss next time? Feel free to fill your suggestions below!

- Vote for new Frictionless features you would like to see:

<https://github.com/frictionlessdata/frictionless-py/issues/486>

- Frictionless project website: <https://frictionlessdata.io/>

Frictionless python framework: <http://framework.frictionlessdata.io/>

- Looking forward to meeting with us next time? Let us know on [Discord](#) or [Twitter](#)!

## Topics for next time you would like to discuss?

28 October 2021 - 1:00 - 2:00 pm GMT

## Present

### Name | Affiliation (optional)

Lilly Winfree | Frictionless data/OKF

Andres Vazquez | Software dev at OKF

Jonathan Mitchell | Software Developer at innoviHealth

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Link to meeting doc
  - Social Media [@Frictionlessd8a](#) and [Discord Channel](#)
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - A presentation on **Open Data Blend and Frictionless Data** by **Michael Amadi**. Learn more on the project here:  
<https://frictionlessdata.io/blog/2021/07/12/open-data-blend/>
  - Discussion
  -
- AOB
  - Next Community Call is on November 18th. We will hear a presentation from Peter Desmet on Frictionless Data exchange format for camera trapping data.
  - We still have a free spot for the community call in December, in case anyone wants to present something.
  - Evgeny is presenting Livemark at PyData tomorrow, during the Lightning talks at 7am UTC.

- 3rd cohort of Frictionless Fellows started earlier this month, you'll get to know them in one of the community calls next year.
- Anything you'd like to discuss next time? Feel free to fill your suggestions below!
- Vote for new Frictionless features you would like to see:  
<https://github.com/frictionlessdata/frictionless-py/issues/486>
- Frictionless project website: <https://frictionlessdata.io/>  
Frictionless python framework: <http://framework.frictionlessdata.io/>
- Looking forward to meeting with us next time? Let us know on [Discord](#) or [Twitter](#)!

## Topics for next time you would like to discuss?

## 30 September 2021 - 2:00 - 3:00 pm GMT

### Present

#### **Name | Affiliation (optional)**

Lilly Winfree (she/her) | Frictionless Data / Open Knowledge Foundation

Sara Petti | Frictionless Data / Open Knowledge Foundation

Paula Martinez Lavanchy (she/her) | TU Delft library / 4TU.ResearchData repository

Connie Clare (she/her) | [4TU.ResearchData](#) repository

Adam Shepherd | BCO-DMO @ WHOI

Amber York | BCO-DMO @ WHOI

Yusuf Suleiman | YouthMappers| AODN



Francisco Alves | dados.mg.gov.br | Minas Gerais/Brazil

Cassiano Reinert Novais dos Santos | contractor developer

Augusto Herrmann | dadosabertos.social | Brazil

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Link to meeting doc
  - Social Media @Frictionlessd8a and Discord Channel
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - A presentation on **Frictionless Data integration to the Dryad data upload** by **Cassiano Reinert Novais dos Santos & Daniella Lowenberg**.

Learn more on the project here:

<https://frictionlessdata.io/blog/2021/08/09/dryad-pilot/>

- Discussion
  - Validation Report (python code:  
<https://framework.frictionlessdata.io/docs/guides/validation-guide#validation-report> or as react component:  
<https://components.frictionlessdata.io/>)
  - Frictionless Components (python code:  
<https://github.com/frictionlessdata/components>);  
<https://components.frictionlessdata.io>
  - Daniella info, Github code, slides available here:  
<https://docs.google.com/presentation/d/1JdjfgufuxF0I342UdiKxaGTnKRtAtosYJ6Z5f1mK0ik/edit?usp=sharing>

- Cassiano info, slides available here:

<https://docs.google.com/presentation/d/1uD05cbxwWeYNHOVq0NGemYTxLWMhT04GO85kyquby5l/edit?usp=sharing>

- AOB

- Hackathon 7-8 October - a two-day virtual event to create new project prototypes based on existing Frictionless open source code.  
RSVP: <https://forms.gle/d37NPEEHfwNEd4vV9>
- Last day to answer the community survey!  
<https://docs.google.com/forms/d/e/1FAIpQLSepGNUdy1R26KjFT7XHSOhcwUiQHw6M8HXGAVgXLmJU-EWjLA/viewform>
- Next Community Call is on October 28th. We will hear a presentation from Michael Amadi on Frictionless Open Data Blend datasets.
- Would you like to give a presentation in one of our net community calls? Then fill out this [form](#).
- Anything you'd like to discuss next time? Feel free to fill your suggestions below!
- Vote for new Frictionless features you would like to see:  
<https://github.com/frictionlessdata/frictionless-py/issues/486>
- Frictionless project website: <https://frictionlessdata.io/>  
Frictionless python framework: <http://framework.frictionlessdata.io/>

- Looking forward to meeting with us next time? Let us know on [Discord](#) or [Twitter](#)!

## Topics for next time you would like to discuss?

26 August 2021 - 1:00 - 2:00 pm GMT

## Present

### Name | Affiliation (optional)

Adam Shepherd | BCO-DMO / WHOI ([ashepherd@whoi.edu](mailto:ashepherd@whoi.edu))

Lilly Winfree | Frictionless Data / Open Knowledge Foundation

Sara Petti | Frictionless Data / Open Knowledge Foundation

Adam Leadbetter | Marine Institute

Steve Diggs | Scripps Institution of Oceanography

Carles Pina Estany

Dana Gerlach | BCO-DMO / WHOI

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Link to meeting doc
  - Social Media [@Frictionlessd8a](#) and [Discord Channel](#)
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - A presentation on **Frictionless Data pipelines for ocean science** by Amber York and Adam Shepherd.  
Learn more on the project here:  
<https://frictionlessdata.io/blog/2020/02/10/frictionless-data-pipelines-for-open-ocean/>  
Laminar intro video:  
<https://www.youtube.com/watch?v=x8F3Xksy4Fw&t=4s>  
[https://github.com/BCODMO/bcodmo\\_frictionless](https://github.com/BCODMO/bcodmo_frictionless)

- <https://github.com/ashepherd/frictionlessdata-pipelines-examples> (samples of Adam trying out pipelines)
  - Discussion
    - <https://frictionlessdata.io/blog/2018/07/16/validated-tabular-data> — blog about using goodtables, which is our browser application to validate data sets
    - Here's a list of the built-in transformation steps that are part of Frictionless Transform (which is the newer version of the data package pipelines):  
<https://framework.frictionlessdata.io/docs/guides/transform-steps> You can also write custom steps too!
    - More info about declarative pipelines:  
<https://framework.frictionlessdata.io/docs/guides/transform-guide#transforming-pipeline>
  - Hackathon 7-8 October - a two-day virtual event to create new project prototypes based on existing Frictionless open source code. We are currently accepting submissions for projects. We'd love to see your pitches for projects involving the newer Frictionless code/tools, like Frictionless-py, Livemark, or Components!  
(<https://frictionlessdata.io/software/#software-toolkit>) You can pitch anything - and your idea doesn't need to be complete/fully planned. We can also help you formulate a project if you have an idea but aren't sure about it. You can use this form to submit your project:  
<https://forms.gle/PHZd17L7cBzgoiiq8>  
We'll open up registration for people in a few weeks.  
Keep an eye on the website for more info:  
<https://frictionlessdata.io/hackathon/#what-s-a-hackathon>

- Only a few days left to apply to be part of the 3rd cohort of Frictionless Fellows!  
More info: <https://frictionlessdata.io/blog/2021/08/02/apply-fellows/>  
Apply here:  
<https://docs.google.com/forms/d/e/1FAIpQLSdR1Qz5GL5A1BrqgFxDBOXScvNoS5AeyCWixNwtcApXUttT8Q/viewform>
- AOB
  - Next Community Call is on September 30th, exceptionally 1 hour later (4pm CEST). We will hear a presentation from Daniella Lowenberg and Cassiano Reinert Novais dos Santos on the Frictionless Data validation implemented for the Dryad application.
  - Would you like to give a presentation in one of our net community calls? Then fill out this [form](#).
  - Anything you'd like to discuss next time? Feel free to fill your suggestions below!
  - Vote for new Frictionless features you would like to see:  
<https://github.com/frictionlessdata/frictionless-py/issues/486>
  - Frictionless project website: <https://frictionlessdata.io/>  
Frictionless python framework: <http://framework.frictionlessdata.io/>
- Looking forward to meeting with us next time? Let us know on [Discord](#) or [Twitter](#)!

Topics for next time you would like to discuss?

12 August 2021 - 1:00 - 2:00 pm GMT

## Present

### Name | Affiliation (optional)

Sara Petti | OKF

Lilly Winfree | OKF

Oleg Lavrovsky | Opendata.ch

Jonathan Mitchell

Tiago Tresoldi | Uppsala University

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Link to meeting doc
  - Social Media @Frictionlessd8a and [Discord Channel](#)
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - A presentation on **libraries open data** by Dave Rowe (aka Libraries Hacked).  
Learn more on the project here:  
<https://www.librarieshacked.org/>  
<https://github.com/librarieshacked>
  - Discussion
  - Hackathon in October - a two-day virtual event to create new project prototypes based on existing Frictionless open source code.  
We need to decide on a date to hold this event, and are currently considering Thursday and Fridays in October. You can vote on Discord.

Keep an eye on the website for more info:

<https://frictionlessdata.io/hackathon/#what-s-a-hackathon>

- We are recruiting the 3rd cohort of Frictionless Fellows!

More info:

here: <https://frictionlessdata.io/blog/2021/08/02/apply-fellows/>

Apply here:

<https://docs.google.com/forms/d/e/1FAIpQLSdR1Qz5GL5A1BrqgFxDBOXScvNoS5AeyCWixNwtcApXUttT8Q/viewform>

- AOB

- Next Community Call is in just 2 weeks, on August 26th. We will hear a presentation from Amber York and Adam Shepherd from BCO-DMO on Frictionless Data Pipelines.
- Would you like to give a presentation in one of our net community calls? Then fill out this [form](#).
- Anything you'd like to discuss next time? Feel free to fill your suggestions below!
- Vote for new Frictionless features you would like to see:  
<https://github.com/frictionlessdata/frictionless-py/issues/486>
- Frictionless project website: <https://frictionlessdata.io/>  
Frictionless python framework: <http://framework.frictionlessdata.io/>

- Looking forward to meeting with us next time? Let us know on [Discord](#) or [Twitter](#)!

## Topics for next time you would like to discuss?

24 June 2021 - 1:00 - 2:00 pm GMT

## Present

**Name | Affiliation (optional)**

Sara Petti | Frictionless Data/OKF

Lilly Winfree | Frictionless Data/OKF

Oleg Lavrovsky | Opendata.ch

Gabriel Braico Dornas | Controladoria Geral do Estado de Minas Gerais (MG/Brazil)

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Link to meeting doc
  - Social Media @Frictionlessd8a and Discord Channel
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - A presentation on **Frictionless Data Package for InterMine** by Nikhil Vats.  
Learn more on the project here:  
<https://frictionlessdata.io/blog/2021/04/13/data-package-for-intermine/>  
<http://intermine.org/im-docs/docs/webapp/frictionless/index/>  
> Link to documentation to the tool 404s, should be [this URL](#).
  - Frictionless Repository - a Github Action for continuous data validation. Have a look and give us feedback:



<https://github.com/frictionlessdata/project/discussions/682>

Livemark - a static page generator with built-in tables and charts support (with support for data processing and validation with

Frictionless): <https://frictionlessdata.github.io/livemark/>

- Frictionless Data community on Zenodo
- Discussion
- AOB
  - Next Community Call on July 29th. We will hear a presentation from Dave Rowe from Libraries Hacked on library open data schemas.
  - Would you like to give a presentation in one of our net community calls? Then fill out this [form](#).
  - Anything you'd like to discuss next time? Feel free to fill your suggestions below!
  - Vote for new Frictionless features you would like to see:  
<https://github.com/frictionlessdata/frictionless-py/issues/486>
  - Frictionless project website: <https://frictionlessdata.io/>  
Frictionless python framework: <http://framework.frictionlessdata.io/>
- Looking forward to meeting with us next time? Let us know on [Discord](#) or [Twitter](#)!

## Topics for next time you would like to discuss?

27 May 2021 - 1:00 - 2:00 pm GMT

## Present

Name | Affiliation (optional)

Sara Petti | Frictionless Data/OKF

Lilly Winfree | Frictionless Data/OKF

Logan Byers | World Resources Institute

Karolina Bzdusek | cividi

Simon Tyrrell | Earlham Institute

Xingdong Bian | Earlham Institute

Francisco Alves | Office of the Comptroller General (MG/Brazil)

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Link to meeting doc
  - Social Media @Frictionlessd8a and Discord Channel
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - A presentation on **Frictionless Data for Wheat** by Simon Tyrrell and Xingdong Bian.

Learn more on the project here:

<https://frictionlessdata.io/blog/2021/03/05/frictionless-data-for-wheat/>

Link to presentation:

[https://docs.google.com/presentation/d/1e13a3pRnAXEBH9lj0LhH5cH1sS1rxEoXi\\_pmvGXxywk/edit#slide=id.p29](https://docs.google.com/presentation/d/1e13a3pRnAXEBH9lj0LhH5cH1sS1rxEoXi_pmvGXxywk/edit#slide=id.p29)

- Frictionless Repository - a Github Action for continuous data validation. Have a look and give us feedback:  
<https://github.com/frictionlessdata/project/discussions/682>
- Testimonials for Frictionless Data website. Share a sentence or two about your experience with Frictionless Data here below:

The Frictionless Data stack is proving itself to be a solid foundation on which to build the next wave of open data.

It promotes FAIR data from inception in order to build modern Open Data Portals!

-- Francisco Alves

Data standards are a powerful instrument to support the next generation of users, develop compelling use cases and define new ecosystems, to build platforms and start companies. Frictionless Data has helped us to achieve all of the above."

-- Oleg

Frictionless is the happy mix of being easy to understand and use along with being extensible and open, it's pretty much the perfect way of bundling data and metadata together. Don't leave home without it :-)

--

- Discussion
- AOB

- Next Community Call on June 24th. We will hear a presentation from Nikhil Vats on Frictionless Data Package for InterMine.

Read more about it here:

<https://frictionlessdata.io/blog/2021/04/13/data-package-for-intermine>

- Would you like to give a presentation in one of our net community calls? Then fill out this [form](#).
- Anything you'd like to discuss next time? Feel free to fill your suggestions below!
- Vote for new Frictionless features you would like to see:  
<https://github.com/frictionlessdata/frictionless-py/issues/486>
- Frictionless project website: <https://frictionlessdata.io/>  
Frictionless python framework: <http://framework.frictionlessdata.io/>
- Looking forward to meeting with us next time? Let us know on [Discord](#) or [Twitter](#)!

## Topics for next time you would like to discuss?

29 April 2021 - 1:00 - 2:00 pm GMT

## Present

### Name | Affiliation (optional)

Sara Petti | Frictionless Data/OKF  
Lilly Winfree | Frictionless Data/OKF  
Daniel Alcalá López | Frictionless Fellow  
Kate Bowie | Frictionless Fellow  
Katerina Drakoulaki | Frictionless Fellow  
Anne Lee | Frictionless Fellow  
Jacqueline Maasch | Frictionless Fellow  
Evelyn Night | Frictionless Fellow  
Samantha Wilairat | Frictionless Fellow  
Oleg Lavrovsky | OK Switzerland / cividi  
Carles Pina EStany | Swiss Polar Institute  
Yusuf Suleiman | Youthmappers

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Link to meeting doc
  - Social Media @Frictionlessd8a and Discord Channel
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - A presentation from the **Frictionless Data fellows**

Learn more about the Fellows Programme here:

<https://fellows.frictionlessdata.io/about/>

- Fellows blog <https://fellows.frictionlessdata.io/blog/>

- Open data day event (& workshop):

<https://www.youtube.com/watch?v=foao4cou5JM>

- csv,conf,v6 is happening next week on May 4-5.

2 Frictionless appointments:

**May 4th:** Frictionless Data workshop led by the Reproducible Research fellows

**May 5th:** Frictionless Data for Wheat by Simon Tyrrell

Full programme here: <https://csvconf.com/speakers>

- Instant APIs for small Frictionless Data-powered apps, with a recent [example app](#) from the latest Swiss OpenGLAM hackathon. See also:
  - [Source code](#) which uses [DataFlows](#) for the aggregation, and the [Pandas Data Package](#) reader as the basis for filtering.
  - [Project page](#) and slides which outline our motivation to collect and homogenize electronic art archives.
  - [An earlier attempt](#) which involves a city tree catalogue. We are also building on this approach in several projects at [cividi](#).

- Discussion

- AOB

- Next Community Call on May 27th. We will hear a presentation from Simon Tyrrell and Xingdong Bian on Frictionless Data for Wheat.

Read more about it here:

<https://frictionlessdata.io/blog/2021/03/05/frictionless-data-for-wheat>

- Would you like to give a presentation in one of our net community calls? Then fill out this [form](#).
- Anything you'd like to discuss next time? Feel free to [fill your suggestions below!](#)
- Vote for new Frictionless features you would like to see:  
<https://github.com/frictionlessdata/frictionless-py/issues/486>

- Frictionless project website: <https://frictionlessdata.io/>  
Frictionless python framework: <http://framework.frictionlessdata.io/>
- Looking forward to meeting with us next time? Let us know on [Discord](#) or [Twitter](#)!

Topics for next time you would like to discuss?

25 March 2021 - 2:00 - 3:00 pm GMT

## Present

### Name | Affiliation (optional)

Sara Petti | Frictionless Data/OKF  
Thorben Westerhuys | cividi  
Lilly Winfree | Frictionless Data/OKF  
Karolina Bzdusek | cividi  
Logan Byers | World Resources Institute  
Carles Pina Estany | Swiss Polar Institute  
Jen Thomas | Swiss Polar Institute  
Augusto Herrmann | Ministry of Economy  
João Gomes | Celfinet  
Benjamin Schwetz | ITU Copenhagen

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Link to meeting doc
  - Social Media @Frictionlessd8a and Discord Channel
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - A presentation from @n0rdlicht on Frictionless Vaccination, a spatiotemporal tracker for state level covid vaccination data. More information about it [here](#).
  - Repo: <https://github.com/n0rdlicht/rki-vaccination-scraper>
  - Link to Thorben's presentation:  
<https://hackmd.io/@n0rdlicht/frictionless-vaccination#/>
- Discussion
- AOB



- Next Community Call on April 29th. We will hear a presentation from the Frictionless Data Fellows.
- Would you like to give a presentation in one of our net community calls? Then fill out this [form](#).
- Anything you'd like to discuss next time? Feel free to [fill your suggestions below](#)!
- Looking forward to meeting with us next time? Let us know on [Discord](#) or [Twitter](#)!

Topics for next time you would like to discuss?

25 February 2021 - 2:00 - 3:00 pm GMT

## Present

### **Name | Affiliation (optional)**

- Lilly | OKF/Frictionless Data
- Sara | OKF/Frictionless Data
- João
- Sébastien | Datopian
- Karolina Bzdusek | cividi
- Peter Desmet | INBO
- Carles Pina Estany | Swiss Polar Institute
- Jen Thomas | Swiss Polar Institute
- Giuseppe Peronato | Idiap Research Institute
- Logan Byers | World Resources Institute

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Link to meeting doc
  - Social Media [@Frictionlessd8a](#) and [Discord Channel](#)
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing
  - A code demonstration of the new frictionless.py framework by Evgeny Karev (@roll).  
More details:  
<https://github.com/frictionlessdata/frictionless-py>
  - <https://pypi.org/project/frictionless/>
  - Documentation portal for Frictionless Framework:  
<https://framework.frictionlessdata.io/>

- Describe your data: infer and edit a file's metadata.
  - Extract your data: read and normalize file's data.
  - Validate your data: detect errors in the file.
  - Transform your data: change the file's metadata and data.
- Toy example notebook:
 

[https://colab.research.google.com/drive/1x5tbNm-i\\_kbCnBbK42GD1o\\_gDcHTCAAbj](https://colab.research.google.com/drive/1x5tbNm-i_kbCnBbK42GD1o_gDcHTCAAbj)
- We are in the process of reviewing all of our Frictionless Data documentation to create a better user experience, with the support of the [Open Data Institute](#).
- More details:

<https://frictionlessdata.io/blog/2021/01/13/partnering-with-odi/>
- csv,conf,v6 is happening May 4-5. You have 3 days left to submit your proposal for a talk: <https://csvconf.com/submit/>
- Discussion
- AOB
  - Next Community Call on March 25th, with a presentation by Oleg and Giuseppe.
  - Anything you'd like to discuss next time? Feel free to [fill your suggestions below!](#)
  - Looking forward to meeting with us next time? Let us know on [Discord](#) or [Twitter!](#)

Topics for next time you would like to discuss?

28 January 2021 - 2:00 - 3:00 pm GMT

## Present

### **Name | Affiliation (optional)**

- Lilly | OKF/Frictionless Data
- Sara | OKF/Frictionless Data
- Peter Desmet | Research Institute for Nature and Forest (INBO)
- Francisco Alves | State of Minas Gerais/Brazil Office of the Comptroller General
- Manuel Spitschan | University of Oxford
- Carles Pina Estany (Swiss Polar Institute)
- V. Keith Hughitt (NIH/NCI)
- Giuseppe Peronato (Idiap Research Institute, CH)
- Richard Ostler (Rothamsted Research UK)
- Matthew Evans | UCLouvain/University of Cambridge
- Evelyn Night | Frictionless Data | International Center of Insect Physiology and Ecology
- Thorben Westerhuys | cividi
- Oleg Lavrovsky | cividi | opendata.ch
- Karolina Bzdusek | cividi
- David Oesch (swisstopo)

## Agenda

- Welcome and introductions: Icebreaker! [10m]
  - Link to meeting doc
  - Social Media [@Frictionlessd8a](#) and [Discord Channel](#)
  - What's your field of study?
- Any items for the agenda? Feel free to share below!
- Community announcements/sharing

- A presentation from @ Carles on schema-collaboration, a great tool that helps data managers and researchers document data packages.

More details:

<https://github.com/frictionlessdata/schema-collaboration>

<https://frictionlessdata.io/blog/2021/01/18/schema-collaboration/>

- Carles @ Swiss Polar Institute
- Schema-collaboration was Frictionless tool fund 2020
- Researchers communicated with a data manager via email for each datapackage they were publishing -- slow! Difficult!
- Carles.eu.pythonanywhere.com
- <https://github.com/frictionlessdata/schema-collaboration/>
- Schema-collaboration UI has:
  - Lists of datapackages
  - Create / edit datapackage (using create.datapackage.io interface with new features added)
  - Create collaborators + assign them to specific datapackages. Collaborators can view their datapackages without needing to log in
  - Comments - used to communicate between collaborators + data managers
  - When it is ready, you can download the datapackage as a json, or markdown, or as a pdf
  - Documentation is on github
  - Do you have feedback? Please share with Carles!
- Partnering with the [Open Data Institute](#) to improve our existing documentation and add new features to Frictionless Data to create a better user experience.

More details:

<https://frictionlessdata.io/blog/2021/01/13/partnering-with-odi/>

- Open Data Day happening on March 6th.

Mini grants available (\$300) for community events

Let's connect across borders and [organize mini-calls!](#)

More details: <https://opendataday.org/>

- csv,conf,v6 is happening May 4-5. If you want to give a talk, make sure to submit a proposal by Feb 28: <https://csvconf.com/submit/>

- FOSDEM 6 Feb:  
[https://fosdem.org/2021/schedule/track/open\\_research\\_tools\\_and\\_technologies/](https://fosdem.org/2021/schedule/track/open_research_tools_and_technologies/)

- Discussion

- AOB

- Next Community Call in february TBA
- Anything you'd like to discuss next time? Feel free to [fill your suggestions below!](#)
- Looking forward to meeting with us next time? Let us know on [Discord](#) or [Twitter!](#)

## Topics for next time you would like to discuss?

Peter Desmet: We have recently adopted Frictionless Data schemas to exchange camera trap data. Our community schema consists of a package profile and three table schemas (see <https://gitlab.com/oscf/camtrap-dp/>). It is a bit unclear however how we should host these schemas, to allow data managers to easily validate their data against this schema (see also <https://github.com/frictionlessdata/frictionless-py/issues/618>). I am curious what approach other communities have taken.

Giuseppe Peronato and cividi started using FD for data pipelines using (Geo-)Spatial datasets, e.g. raster data and GeoJSONs. Initial work here has been done [here](#) for the Data Flows and Data Package Pipelines projects. To align

interests we would be interested in opening a discussion in the community around this topic, e.g. in a future meetup. We have also been looking more closely at the Creator's UI library in a [prototype](#) with researchers, and releasing a [QGIS plugin](#) for Frictionless Data.

Thorben: started scraping the official vaccination publication by the German federal health authority replaced daily including no history with a Data Package Pipeline saved as a Data Package by a GitHub Action. If you are interested have a look here: <https://github.com/n0rdlicht/rki-vaccination-scraper>