BIDS
BRAIN IMAGING DATA STRUCTURE

the ecosystem

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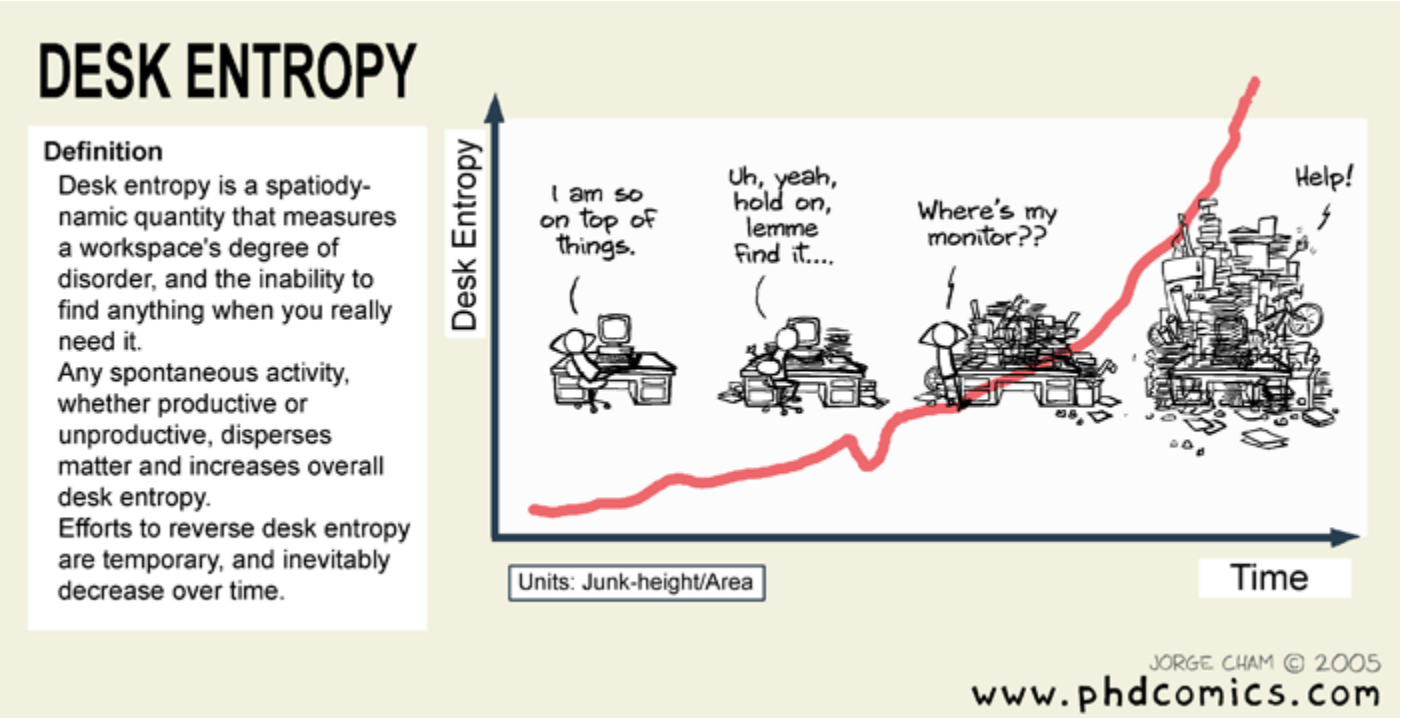
https://www.eurobioimaging.eu/

Not just data sharing, also good RDM!



https://phdcomics.com/comics/archive_print.php?comicid=575

Having a standard on how to name and document files allows you

- Find and understand your new and old data like
- Get your colleagues, PI/students to work on the same things without extra explanation
- Analyse quicker
- Share with others

Beauty of BIDS? It's a community standard and much more

https://bids.neuroimaging.io/

Preparing data with BIDS

The Brain Imaging Data Structure

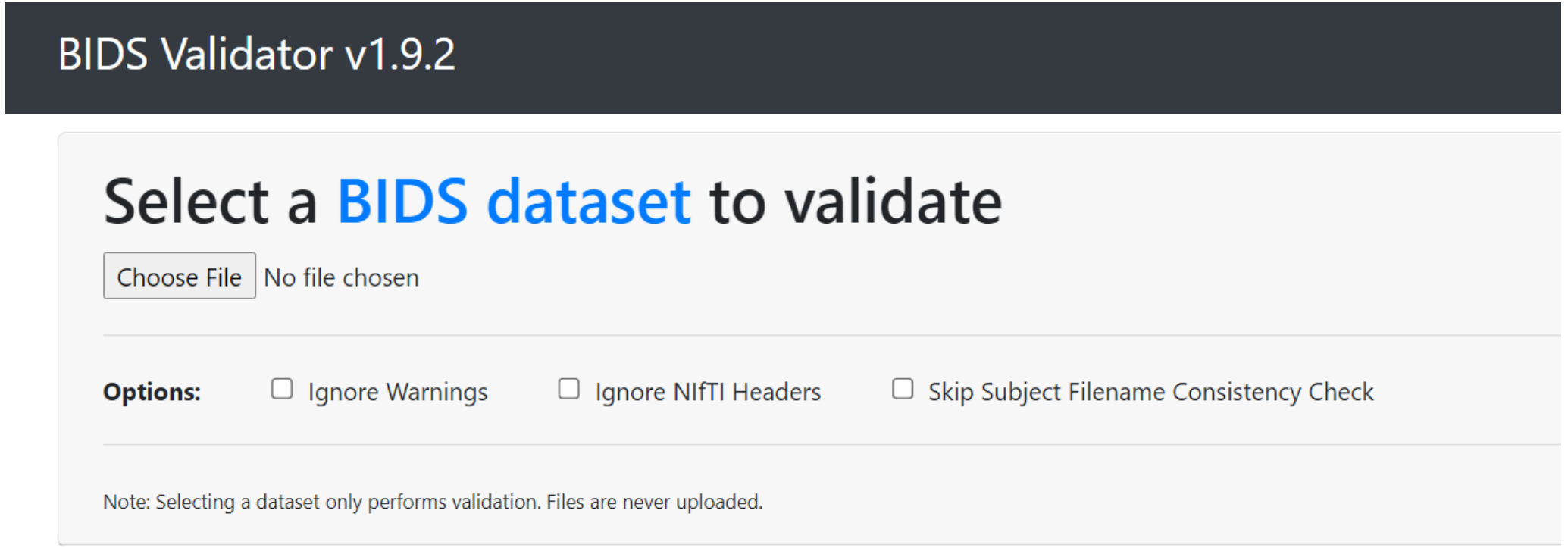
The Brain Imaging Data Structure (BIDS) is a simple and intuitive way to organize and describe data.

This document defines the BIDS specification, which provides many details to help implement the standard. It includes the core specification as well as many extensions to specific brain imaging modalities, and increasingly also to other kinds of data.

If BIDS is new to you, and you would like to learn more about how to adapt your own datasets to match the BIDS specification, we recommend exploring the BIDS Starter Kit. Alternatively, to get started please read the introduction to the specification.

For an overview of the BIDS ecosystem, visit the BIDS homepage. The entire specification can also be downloaded as PDF.

Preparing data with BIDS



Biomedical and biological

Microscopy

Support for Microscopy was developed as a BIDS Extension Proposal.

Please see Citing BIDS on how to appropriately credit this extension when referring to it in the context of the academic literature.

Microscopy datasets formatted using this specification are available on the BIDS examples repository and can be used for practical guidance when curating a new dataset.

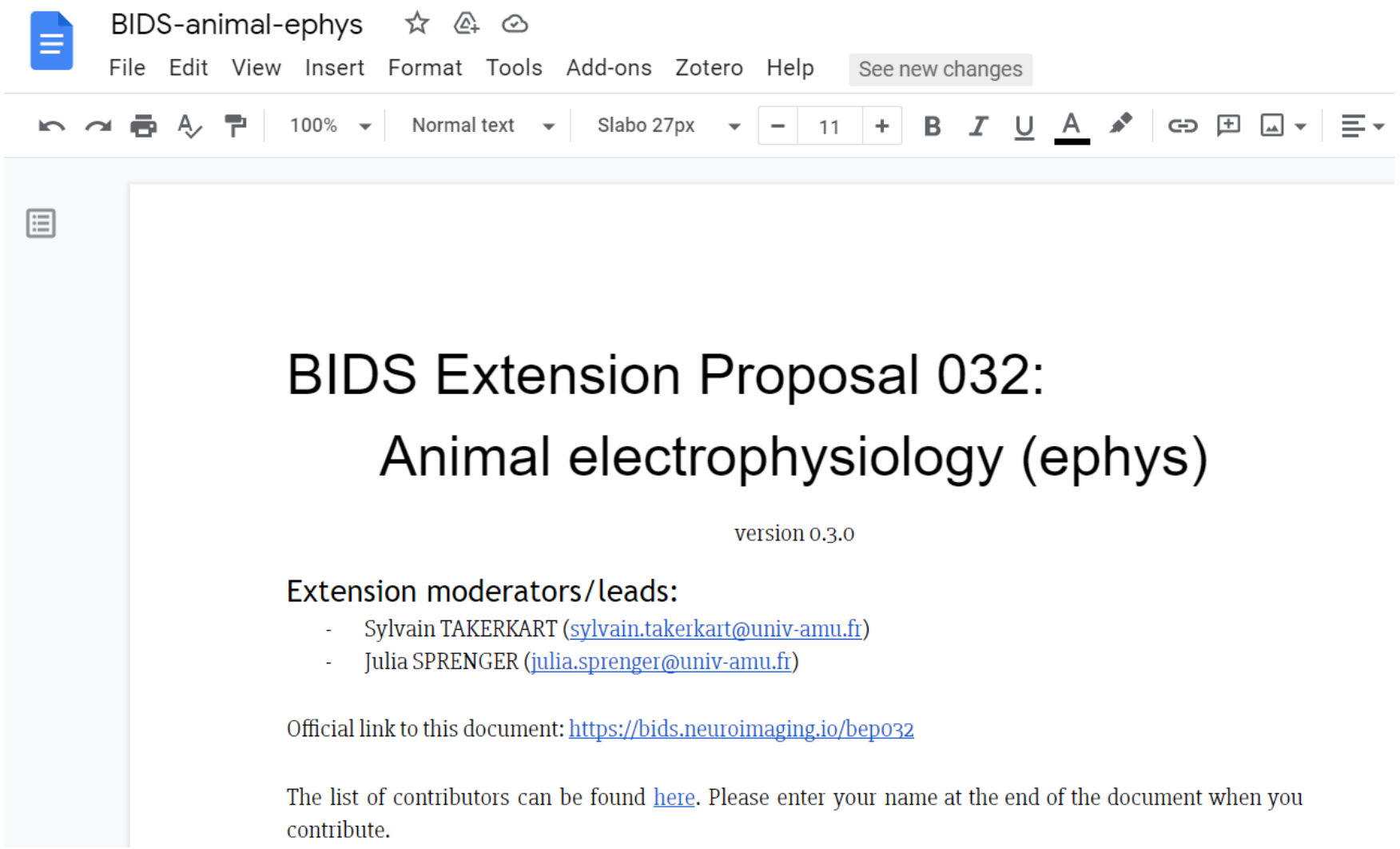
Further Microscopy datasets are available:

- In PNG format: `data_axondeepseg_sem`
- In OME-TIFF format: `Broca's Area Light-Sheet Microscopy`

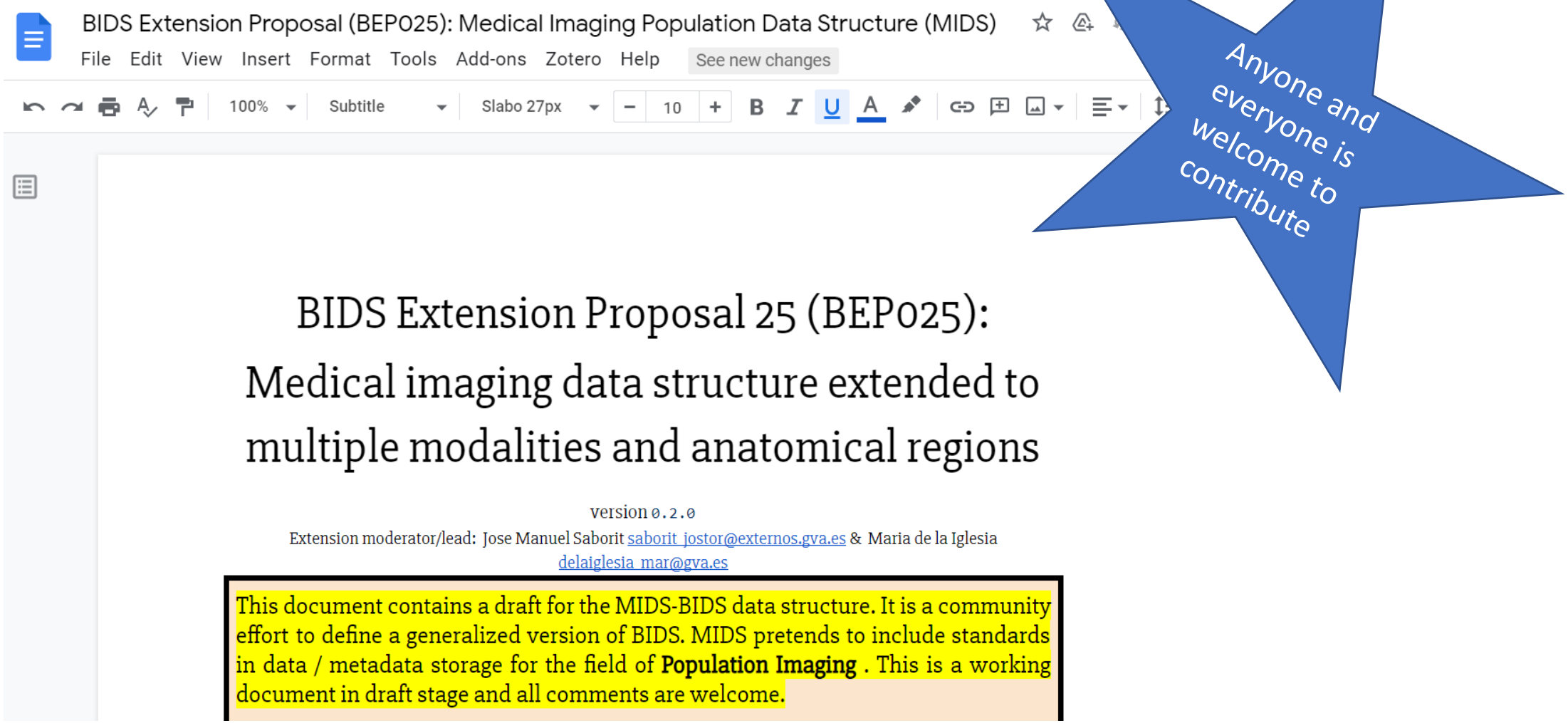
Microscopy imaging data

Template:

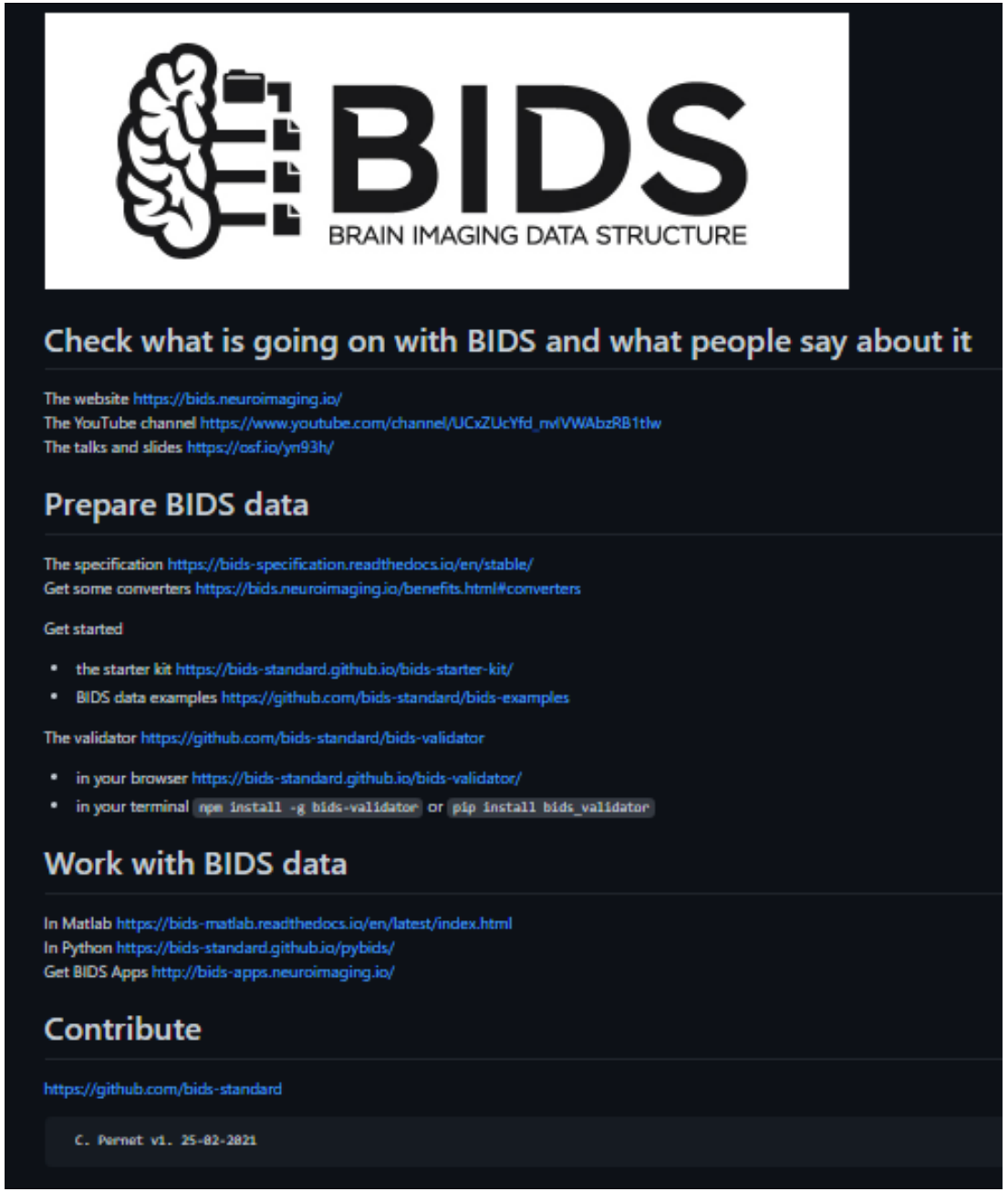
Biomedical and biological



Biomedical and biological



Anyone and everyone is welcome to contribute



Converters:
Tools to take source data into BIDS (agreed data formats and metadata)

BIDS grabbers and apps:
- Tools to automatically grab, document, query an existing BIDS dataset
- Automated analysis specific tools

https://github.com/openneuropet/outreach/blob/main/BIDS_quick_links.mkd

https://bids.neuroimaging.io/