BIDScoin: an easy toolkit to convert your imaging data to the BIDS standard

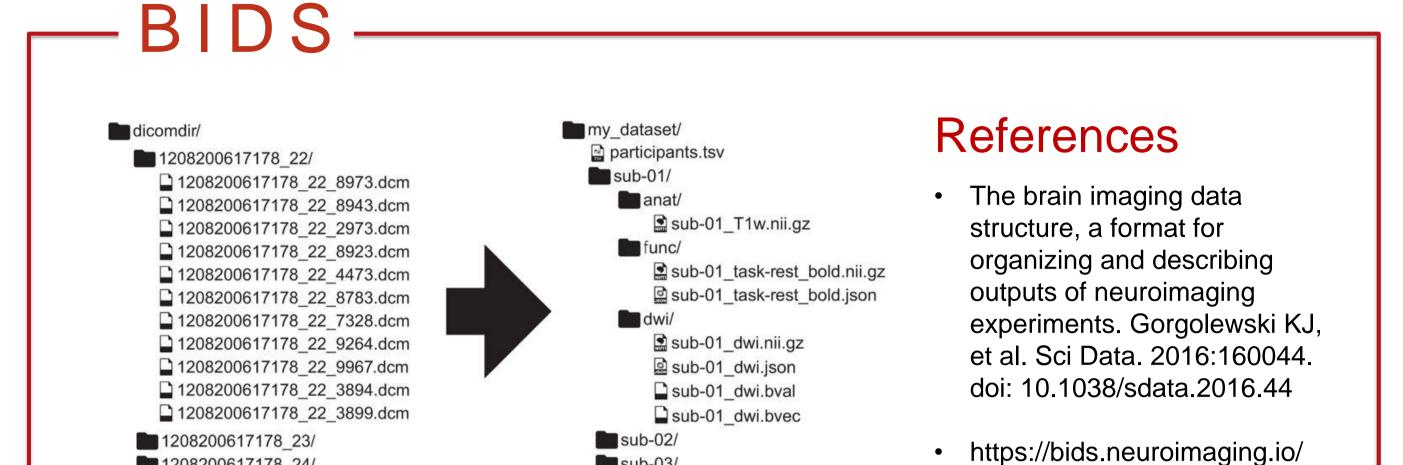


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NTRODUCTION

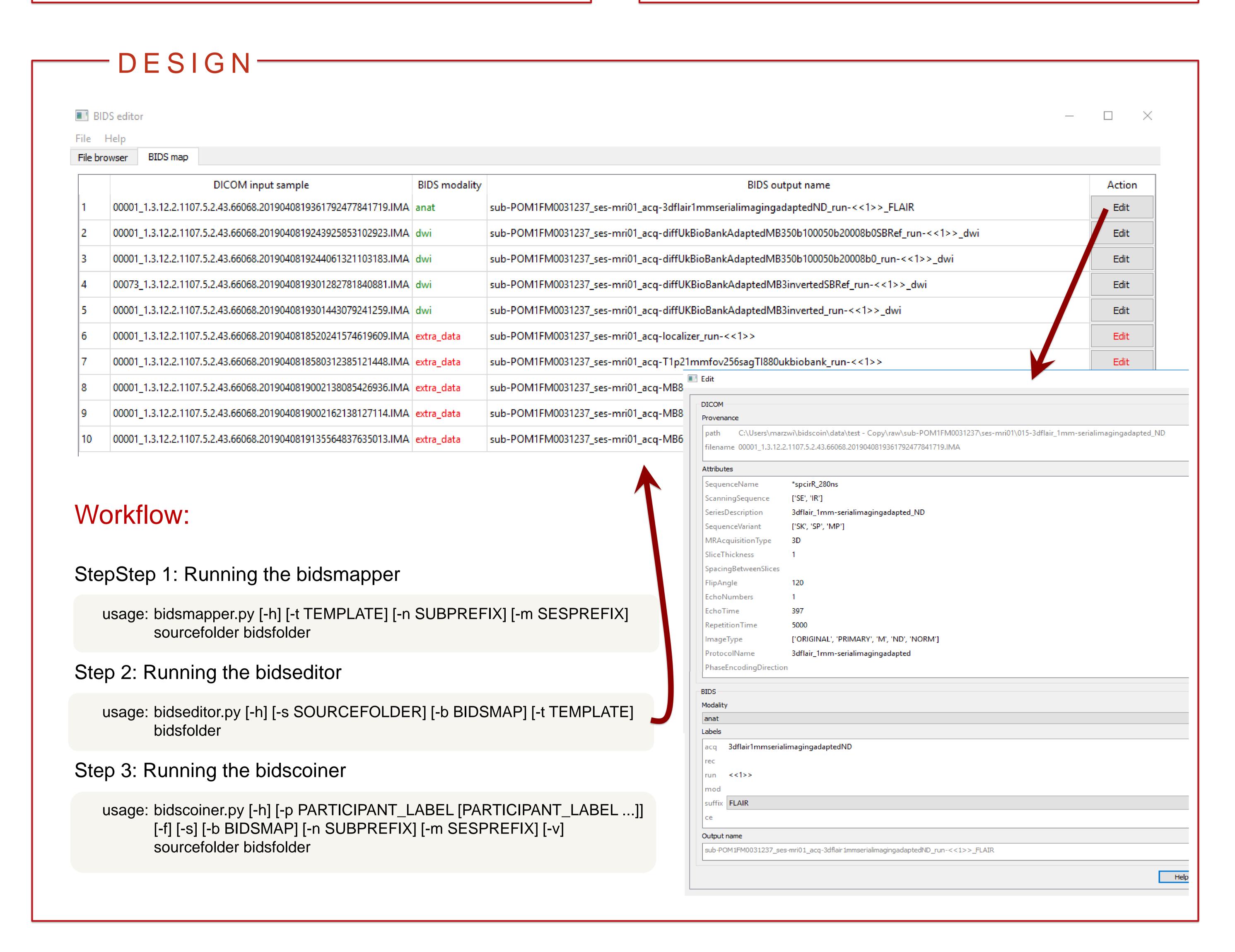
- BIDScoin is an open-source python toolkit that converts ("coins") source-level (raw) neuroimaging data-sets to the BIDS standard
- BIDScoin uses a direct mapping approach between the data sources and BIDS outputs
- The user does not need programming knowledge and can directly edit the mapping with a GUI
- Institutes can provide their users with a custom template already containing the mappings for the scans that are typically performed in the institute



The Brain Imaging Data Structure (BIDS) standardizes and describes outputs of neuroimaging experiments (left) in a way that is intuitive to understand and easy to use with existing analysis tools(right).

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RESULTS

- Used to successfully coin over 1000 subject datasets from various research projects
- Tested over a broad spectrum of (DICOM) input data, including fieldmaps, mutli-echo data, multi-coil data, PET scans and various kinds of anatomical, diffusion and functional MRI scans.

FUTURE WORK-

- Add support for other source data formats, such as PAR/REC (Philips) and .7 (GE)
- Add a plug-in for parsing behavioural log-files, such as from Presentation