Miro Grundei, Sebastian Schneider,
Caedyn Stinson

Here's something Dirk prepared earlier: Open Science through Data Transparency

CENTER FOR OPEN SCIENCE

8 MODULAR STANDARDS

Citation Standards
Describes citation of data

Data Transparency
Describes availability and sharing of data

Analytical Methods Transparency
Describes analytical code accessibility

Research Materials Transparency
Describes research materials accessibility

Design and Analysis Transparency
Sets standards for research design disclosures

Preregistration of Studies
Specification of study details before data collection

Preregistration of Analysis Plans
Specification of analytical details before data collection

Replication
Encourages publication of replication studies

NeuroImage

Volume 50, Issue 1, March 2010, Pages 112-123

Functional source separation improves the quality of single trial visual evoked potentials recorded during concurrent EEG-fMRI

Camillo Porcaro [a, b, c, d], Dirk Ostwald [a, b], A

NeuroImage

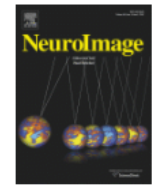
Volume 55, Issue 3, 1 April 2011, Pages 1270-1286

Voxel-wise information theoretic EEG-fMRI feature integration

Dirk Ostwald [a, b, c], Camillo Porcaro [a, b, d], Andrew P. Bagshaw [a, b]

NeuroImage

Volume 56, Issue 3, 1 June 2011, Pages 1059-1071

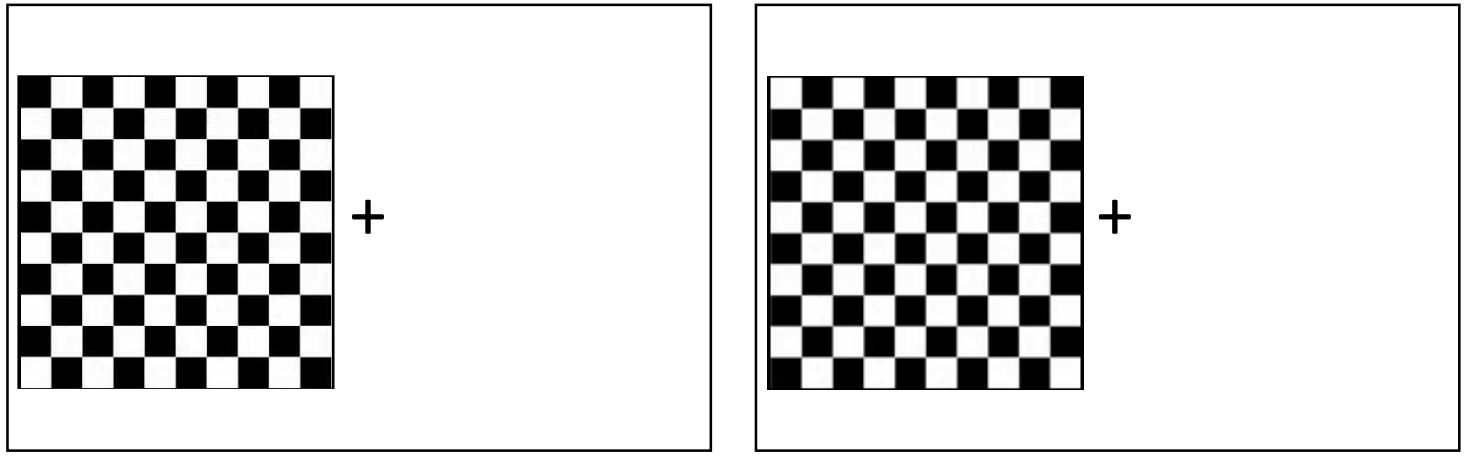


The relationship between the visual evoked potential and the gamma band investigated by blind and semi-blind methods

Camillo Porcaro [a, b, c], Dirk Ostwald [b, d], Avgis Hadjipapas [e], Gareth R. Barnes [f], Andrew P. Bagshaw [b]

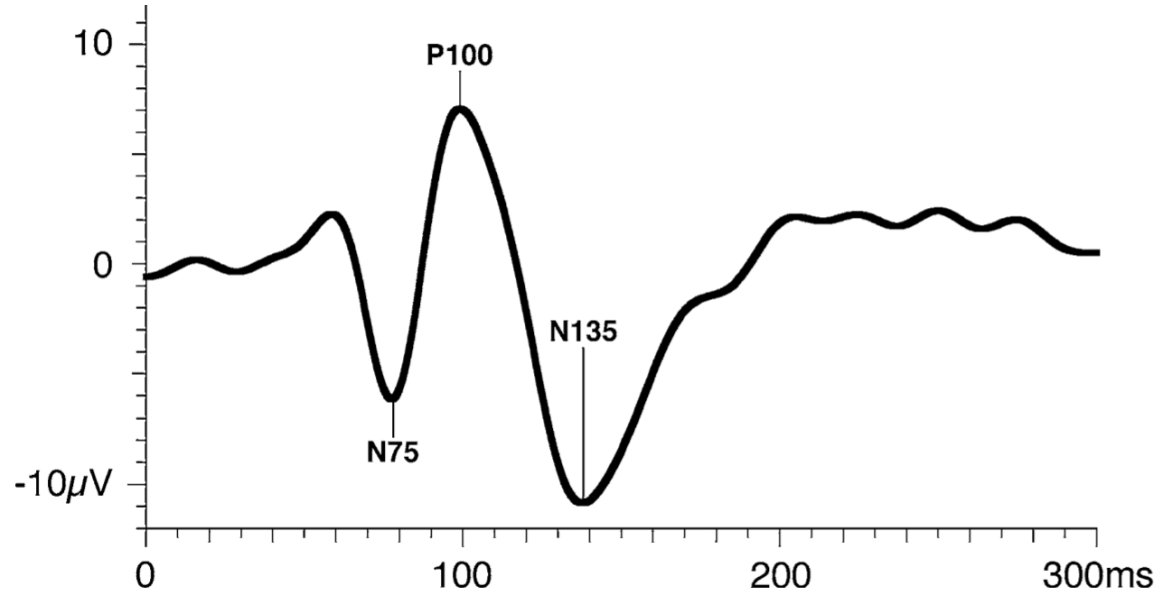
Onset

Reversal

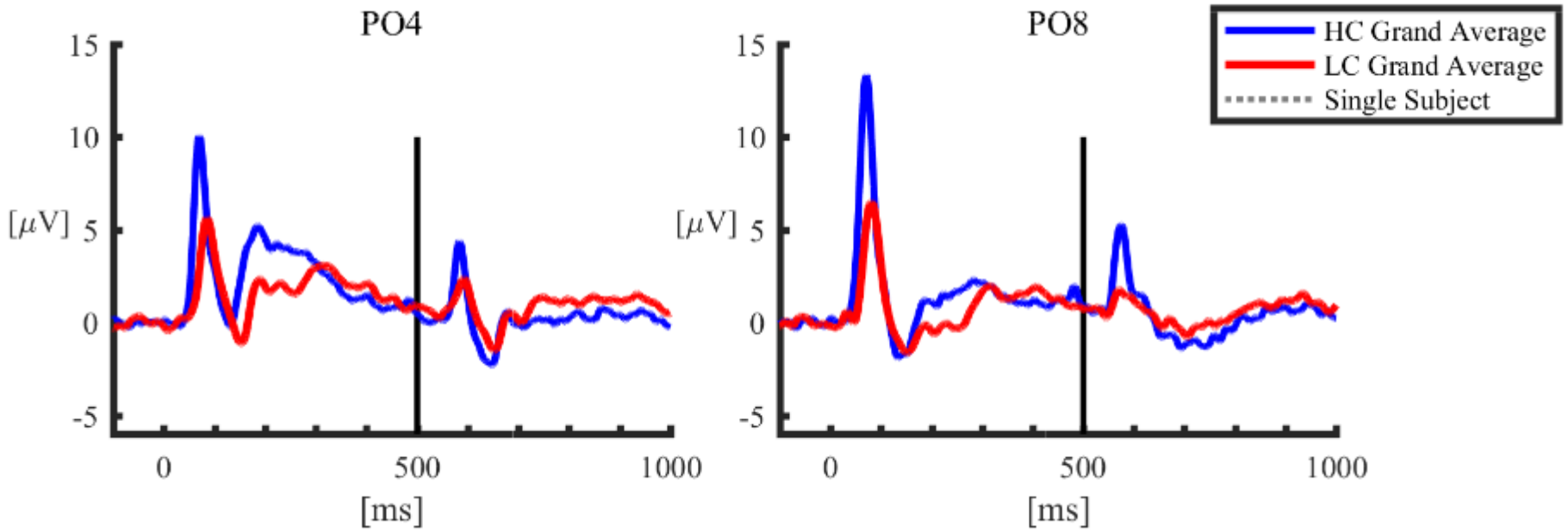


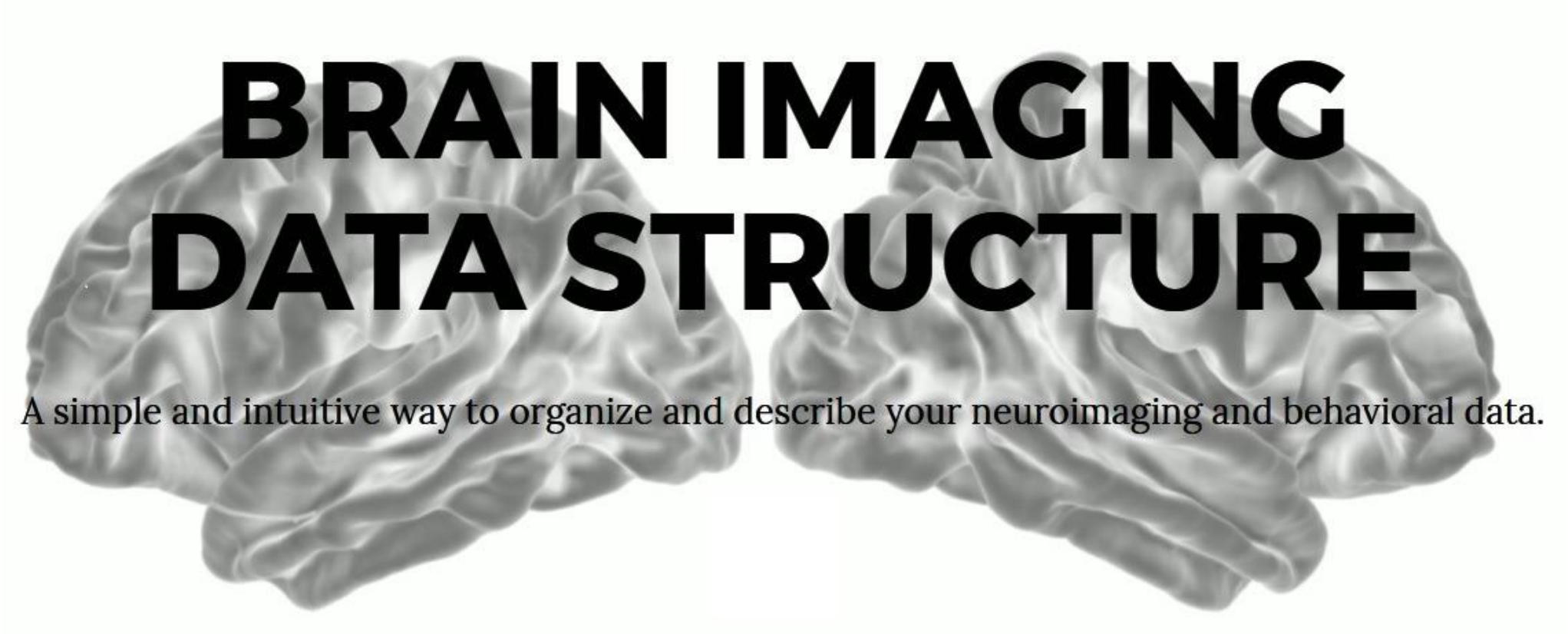
500ms

500ms



- Collecting raw data
  - format + share in repository
- Pre-processing raw data + Extract VEP
  - Shared code
- Publish sample results to indicate data quality





http://bids.neuroimaging.io/

Cold Spring Harbor Laboratory

bioRxiv beta

THE PREPRINT SERVER FOR BIOLOGY

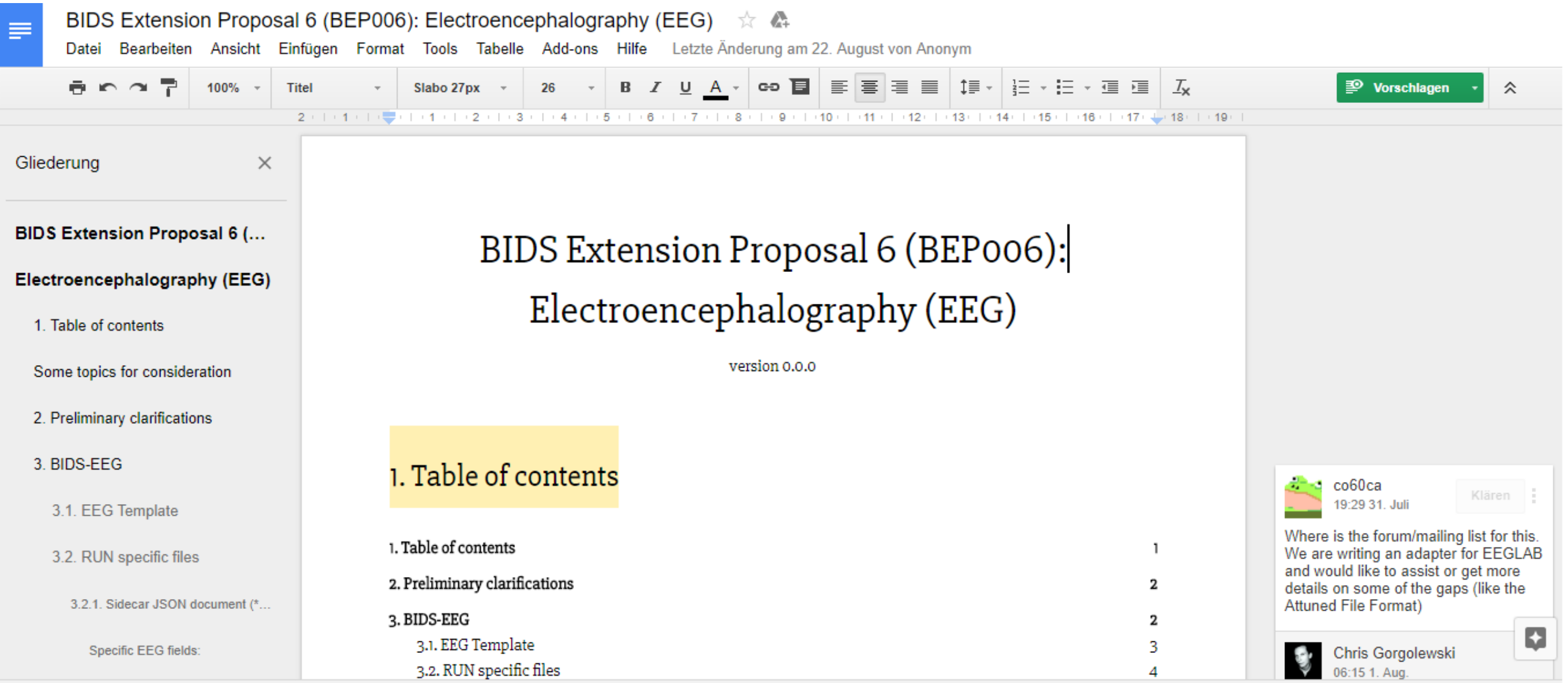
New Results

Posted August 8, 2017.

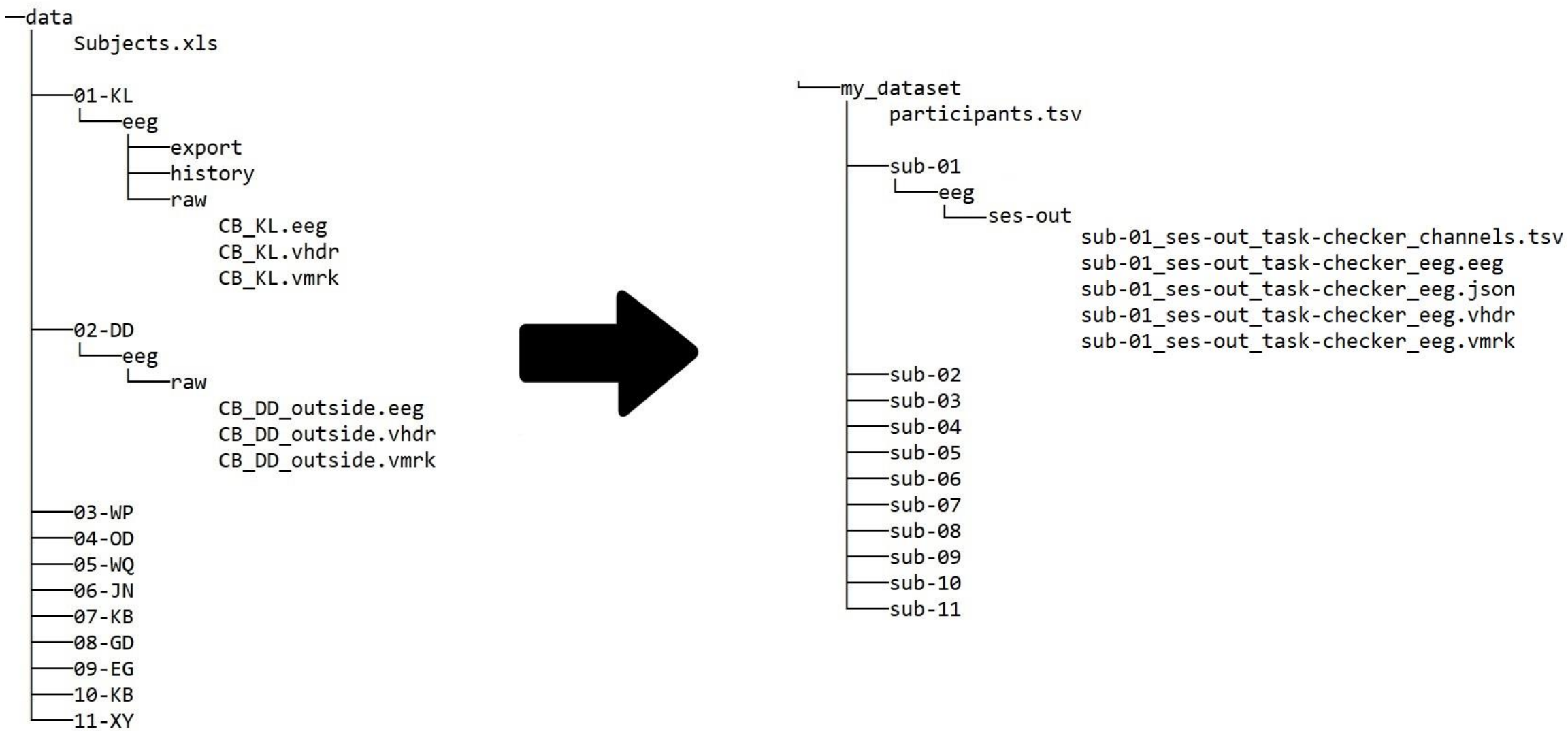
MEG-BIDS: an extension to the Brain Imaging Data Structure for magnetoencephalography

Julia Guiomar Niso Galan, Krzysztof Jacek Gorgolewski, Elizabeth Bock, Teon L. Brooks, Guillaume Flandin, Alexandre Gramfort, Richard N. Henson, Mainak Jas, Vladimir Litvak, Jeremy Moreau, Robert Oostenveld, Jan-Mathijs Schoffelen, Francois Tadel, Joseph Wexler, Sylvain Baillet

doi: https://doi.org/10.1101/172684



https://docs.google.com/document/d/1ArMZ9Y_quTKXC-jNXZksnedK2VHHoKP3HCeO5HPcgLE/edit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raw
CB_DD_outside.eeg
CB_DD_outside.vhdr
CB_DD_outside.vmrk
03-WP
04-OD
05-WQ
06-JN
07-KB
08-GD
09-EG
10-KB
11-XY
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sub-03
sub-04
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sub-10
sub-11

Repositories

Conclusion