HAL open science

Open Science in action: Doing research as a community!

Camille Maumet

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OHBM 2020 - Symposium - June 24, 2020

Open Science in action
Doing research as a community!

Camille Maumet
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@cmaumet

Chair of **OHBM Open Science SIG**

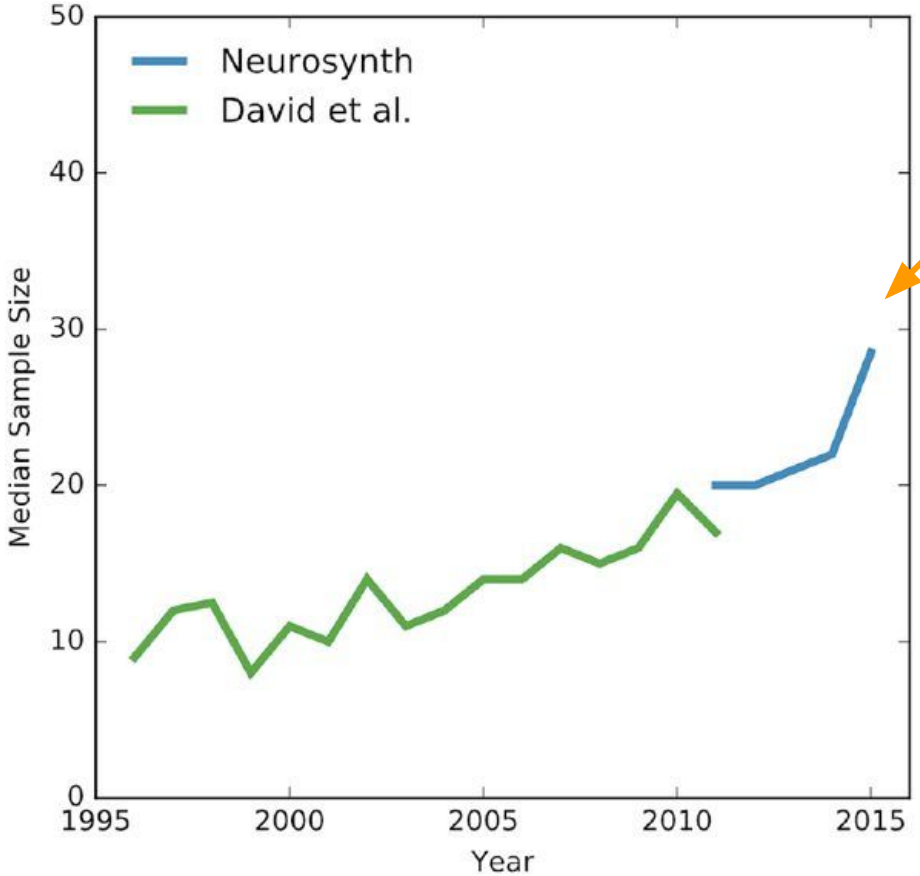
@ohbmopen

‘Open’ science**?**

Understanding the human **brain...**

Image credits: Sculpture by Malin Bjornsdotter "Cerebia", OHBM Brain Art SIG

Representing the human **population**

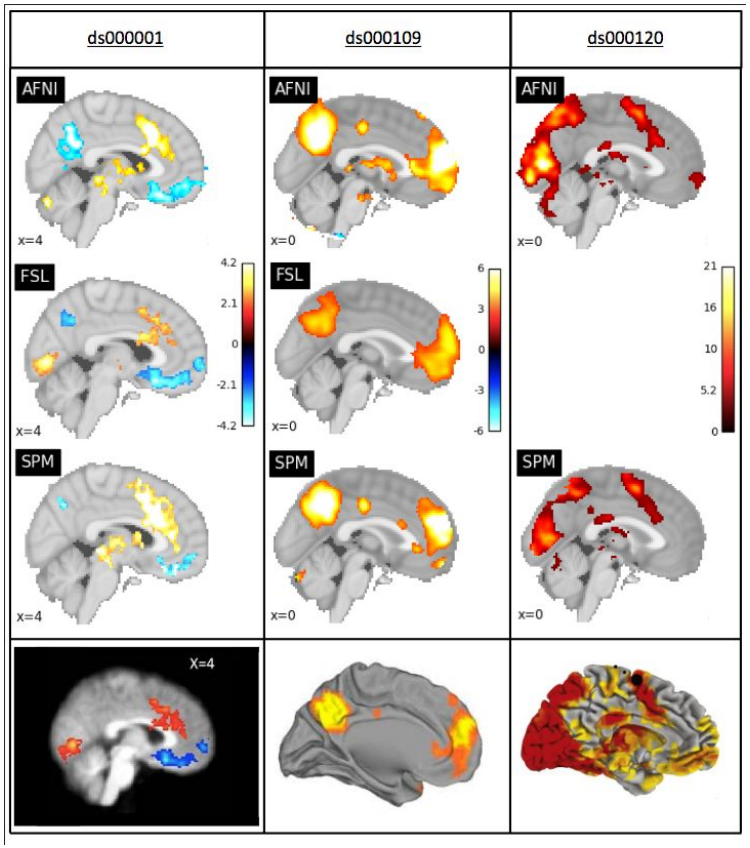


2015: 30 participants

Open data

[Poldrack et. al, Nature Neuroscience 2017]

Understanding what matters **and what does not**

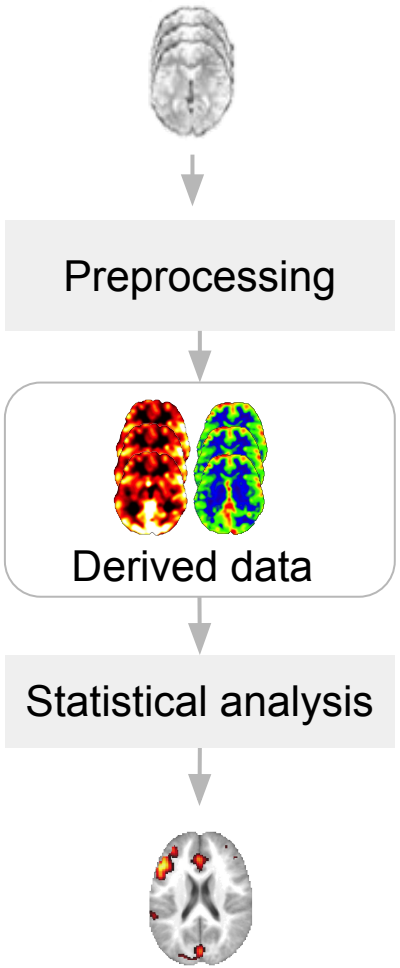


[Bowring et. al, HBM 2019]

Open methods

Every **little** bit counts

Sharing our research outputs



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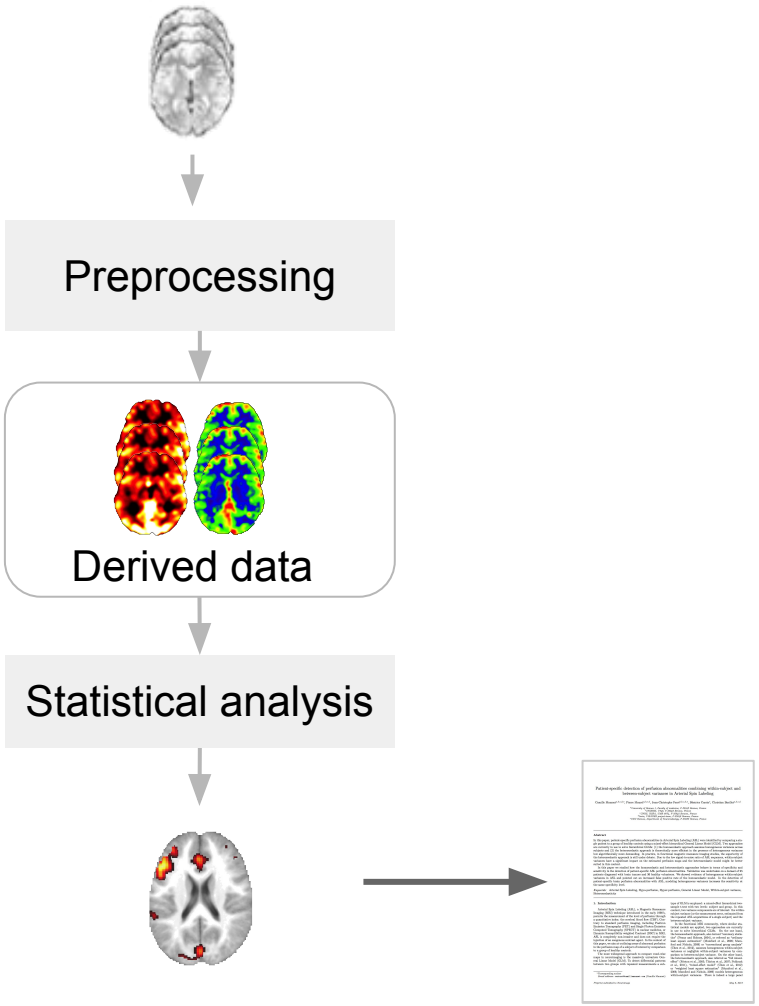
Sharing our research outputs



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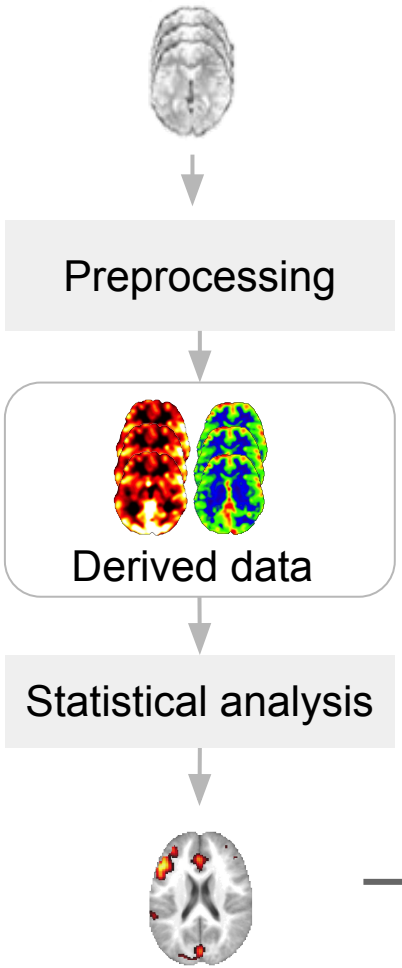

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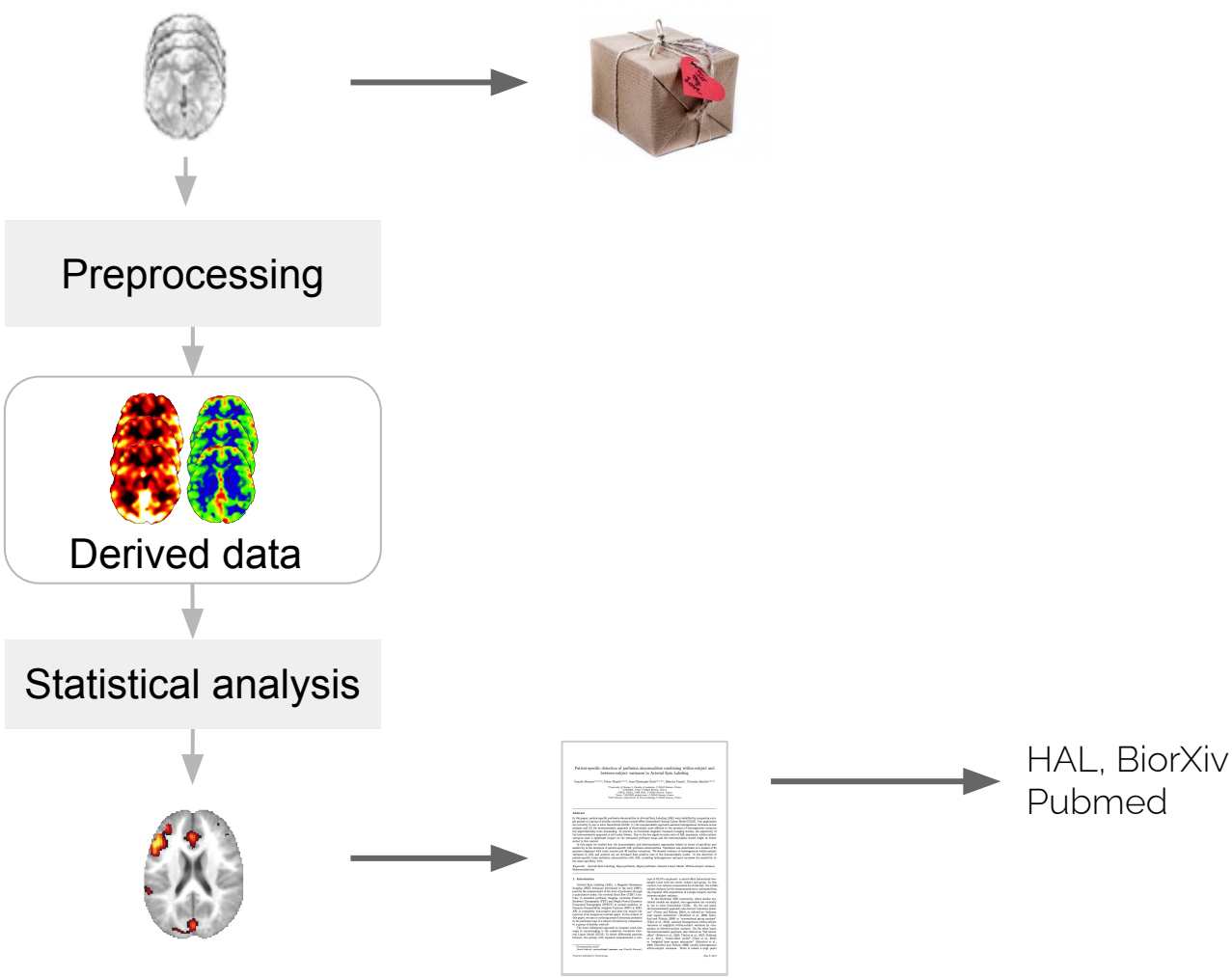

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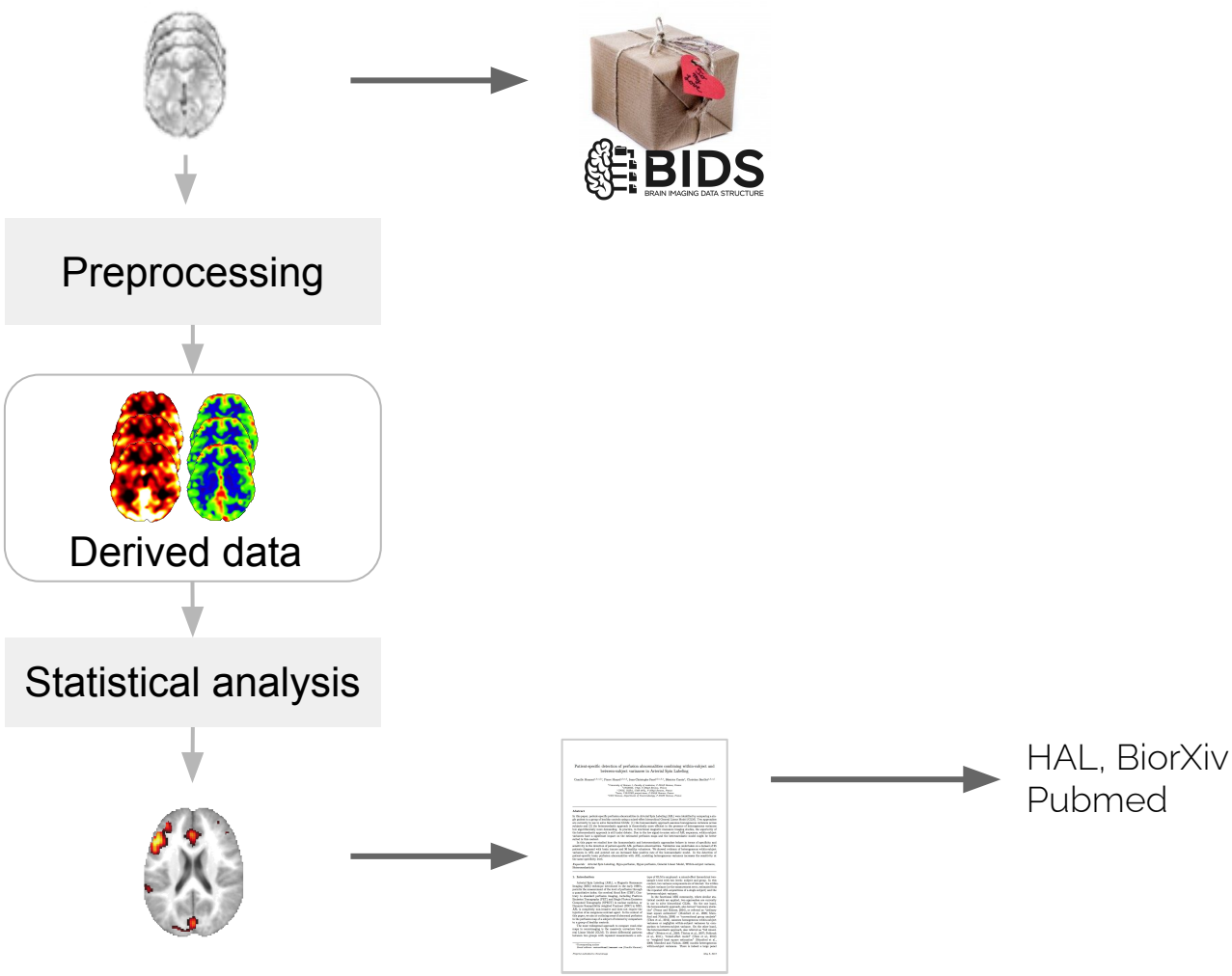


Image credits: Parcels 1 2 & 4 (CC0), Parcel 3 (CC0), Parcel 5 (CC0).

Sharing our research outputs

OpenfMRI

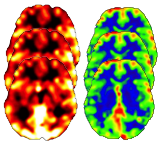
OpenNEURO

XNAT

SHANOIR

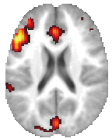
LORIS

Preprocessing



Derived data

Statistical analysis



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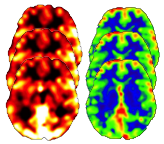

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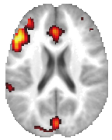

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brainmap.org
neurosynth.org
brainspell

NEUROVAULT

Image credits: Parcels 1 2 & 4 (CC0), Parcel 3 (CC0), Parcel 5 (CC0).

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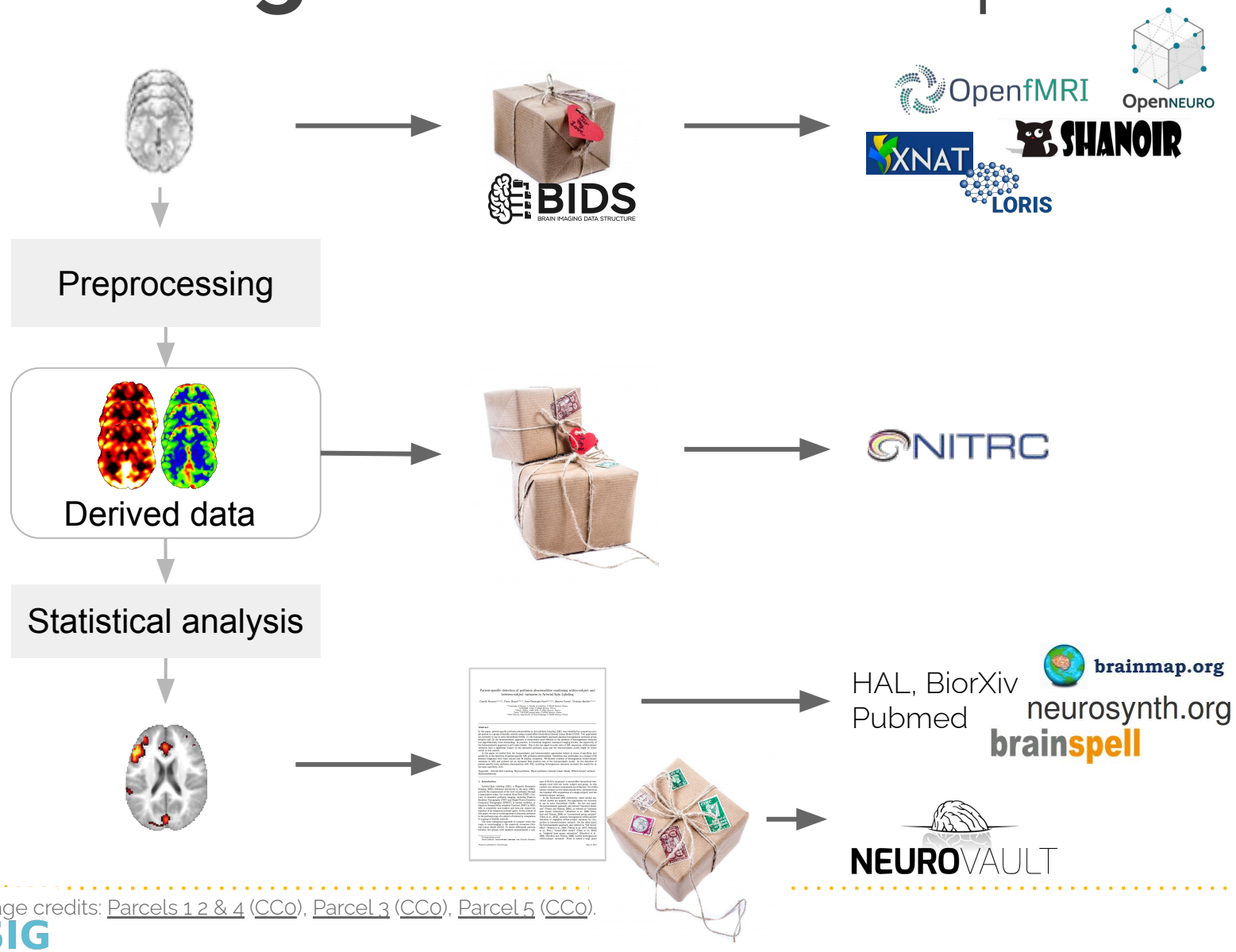

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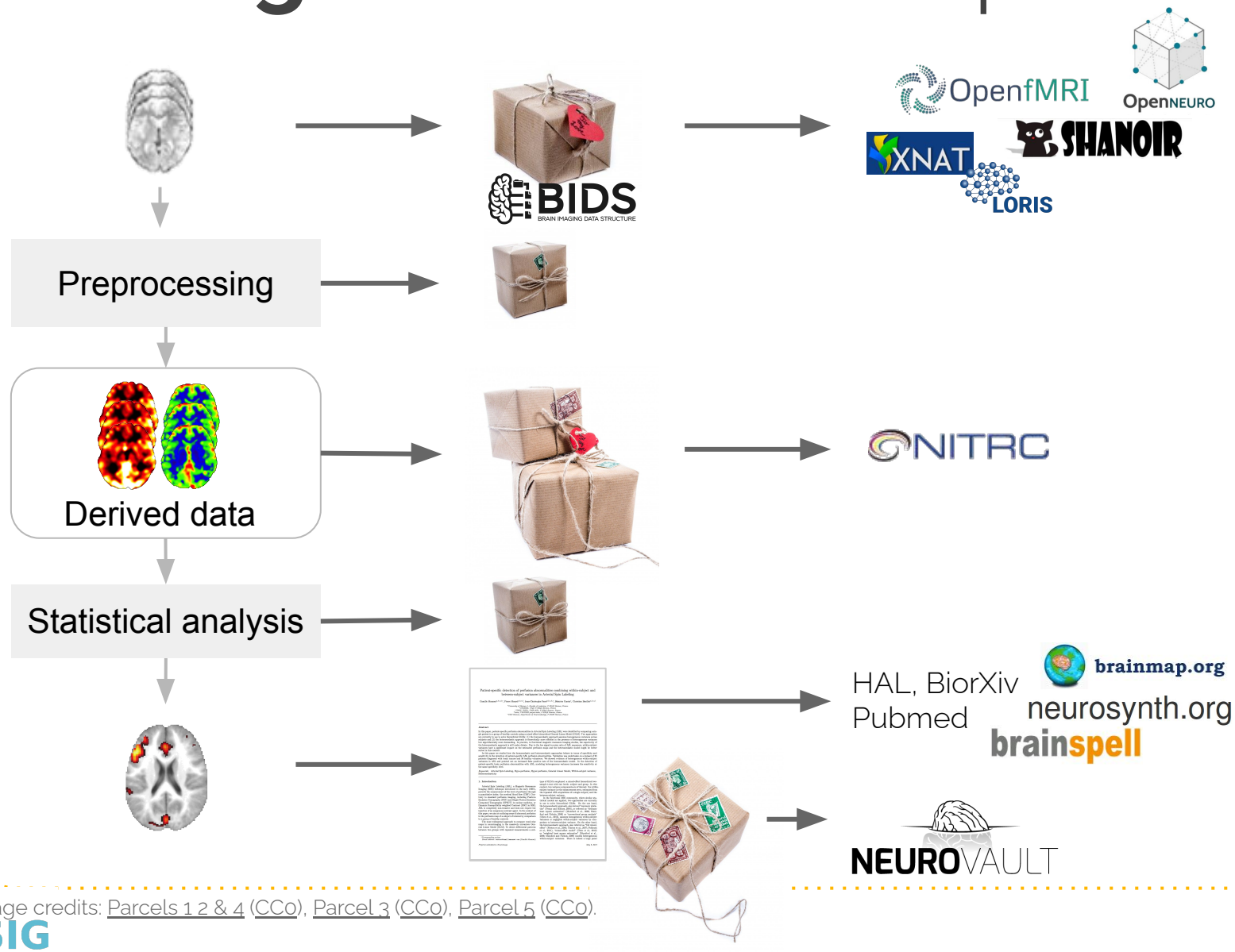

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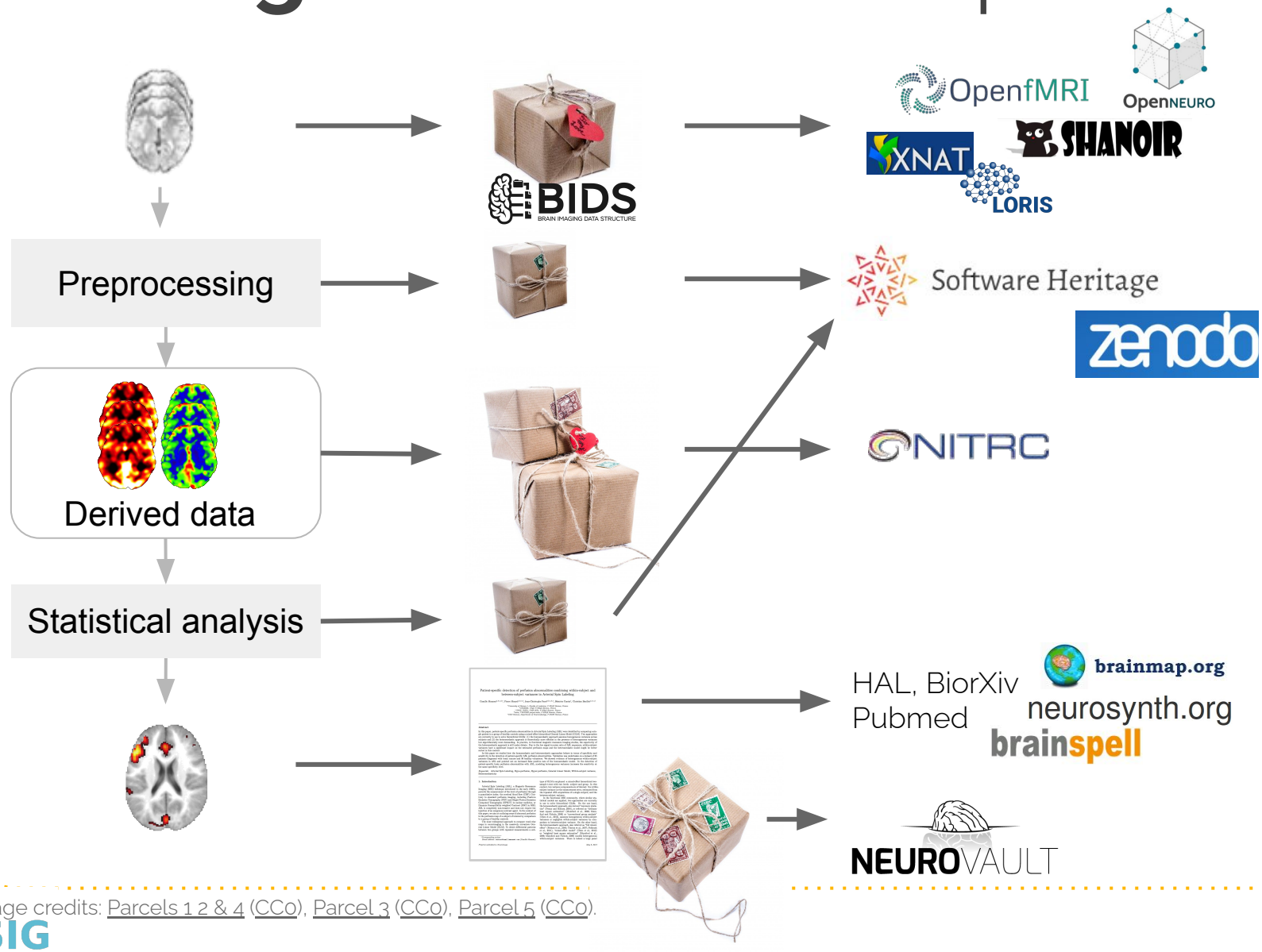

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Doing research as a **community!**

Hackathons: A new space for collaborative projects and learning.

Liza Levitis

OS-SIG hackathon co-chair

Inclusivity as a requirement for robust and reproducible brain imaging research'.

Cassandra Gould van Praag

OS-SIG Open Science Room co-chair

Thank you!

brainhack.org

moz://a

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