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Matthieu Joulot, Nicolas Gensollen, Ghislain Vaillant, Ninon Burgos, Olivier  
Colliot

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# Clinica, an open-source software to facilitate neuroimaging studies

Matthieu Joulot<sup>1</sup>, Nicolas Gensollen<sup>1</sup>, Ghislain Vaillant<sup>1</sup>, Ninon Burgos<sup>1</sup>, Olivier Colliot<sup>1</sup>

<sup>1</sup> Sorbonne Université, Institut du Cerveau - Paris Brain Institute, CNRS, Inria, Inserm, AP-HP, Hôpital de la Pitié Salpêtrière, Paris, France



**ARAMIS LAB**  
BRAIN DATA SCIENCE



www.clinica.run

## Mission statement

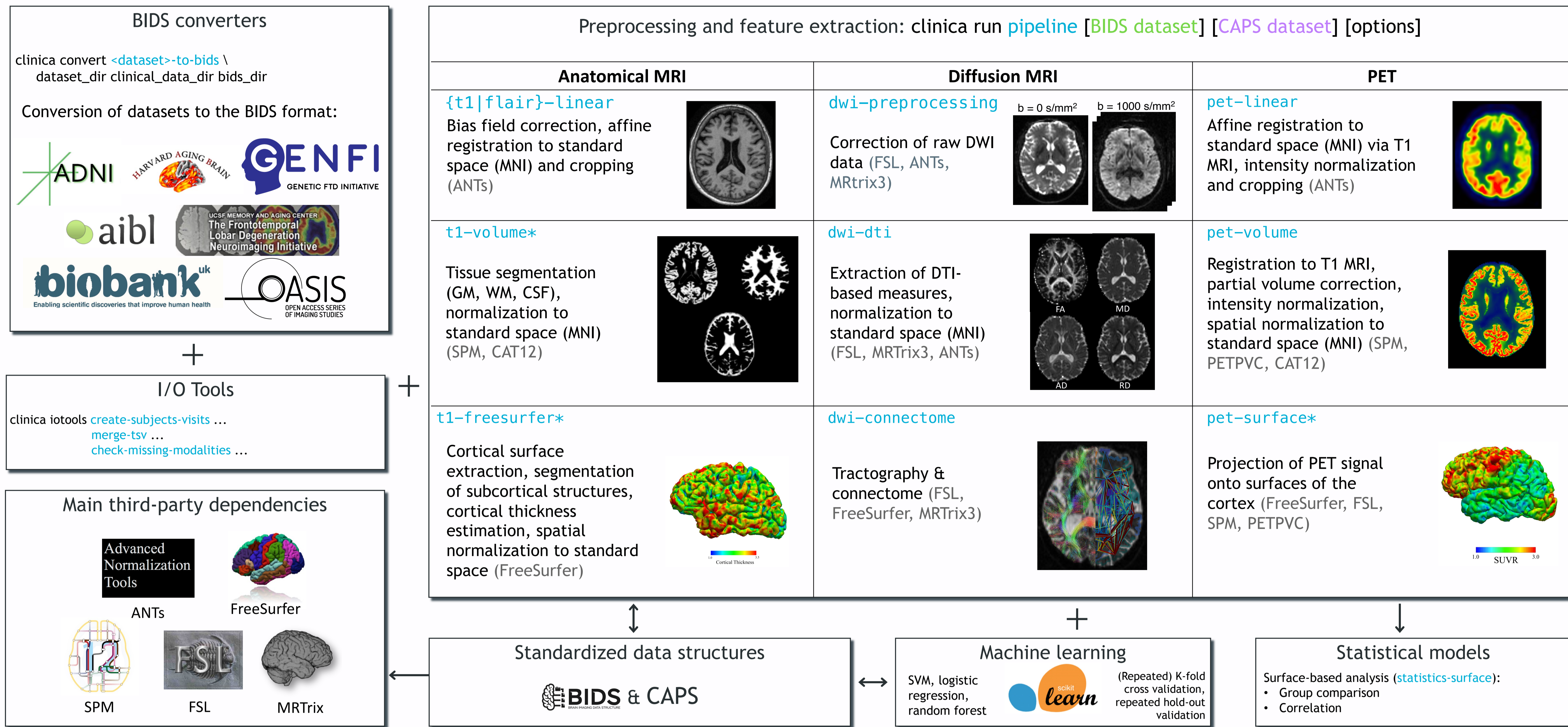
Clinica is an open-source software platform for neuroimaging studies. It is designed to help researchers spend less time on data management and processing, easily share data and results, make their research more reproducible and contribute to Open Science.

## Target audience

- Neuroscientists or clinicians conducting clinical neuroscience studies involving multimodal imaging.
- Researchers developing advanced machine learning algorithms.

## Overview of Clinica

@clinica\_run



## Example: processing from unorganized neuroimaging data to Pytorch tensors using Clinica and ClinicaDL



## Work in progress and future works

**Quality control:** Explore methods and processes to provide quality control feedback

**Clinica:** Development of a web-based dashboard for pipeline monitoring and quality control

**Pipelines:** Development of new longitudinal pipelines

**Provenance:** Adherence to the BIDS provenance standard to improve traceability and reproducibility

