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GDPR-compliant sharing of human neuroimaging data using Shanoir

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GDPR-compliant sharing of human neuroimaging data using Shanoir

shanoir

presented by **Camille Maumet** at **EOSC France Tripartite Event** (Sept. 2024)

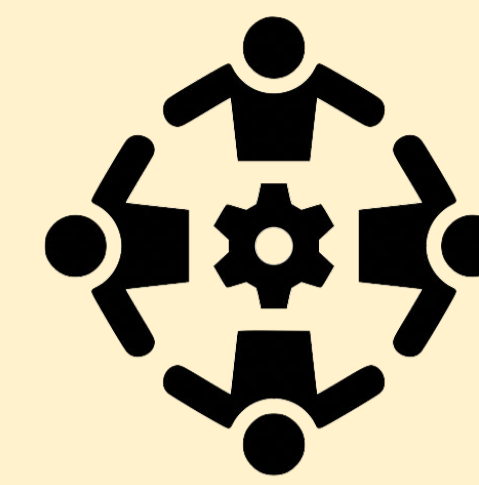
A web-platform for medical imaging data

With the impetus towards a more **open science**, researchers are looking for practical solutions to share more data in support of their findings. In the field of **brain imaging**, European researchers must comply with the General Data Protection Regulation (GDPR) when sharing human neuroimaging data.

We present **Shanoir**, a long-standing open source web-platform for medical imaging data that can be used to share neuroimaging data in compliance with GDPR.



Open Source Software



Shared governance



Compliant with GDPR



<https://project.inria.fr/neurinfo/>



<https://www.ofsep.org/fr/>

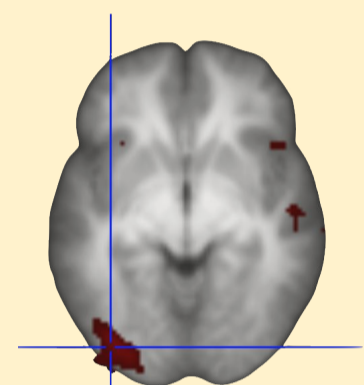
Image credits: Open source CC BY 3.0 by Sofiah ID, libremat, GFDL, CC BY 3.0 by Abd Majid libremat, GFDL

Data sharing with Shanoir

Brain images



Directly identifiable information removed

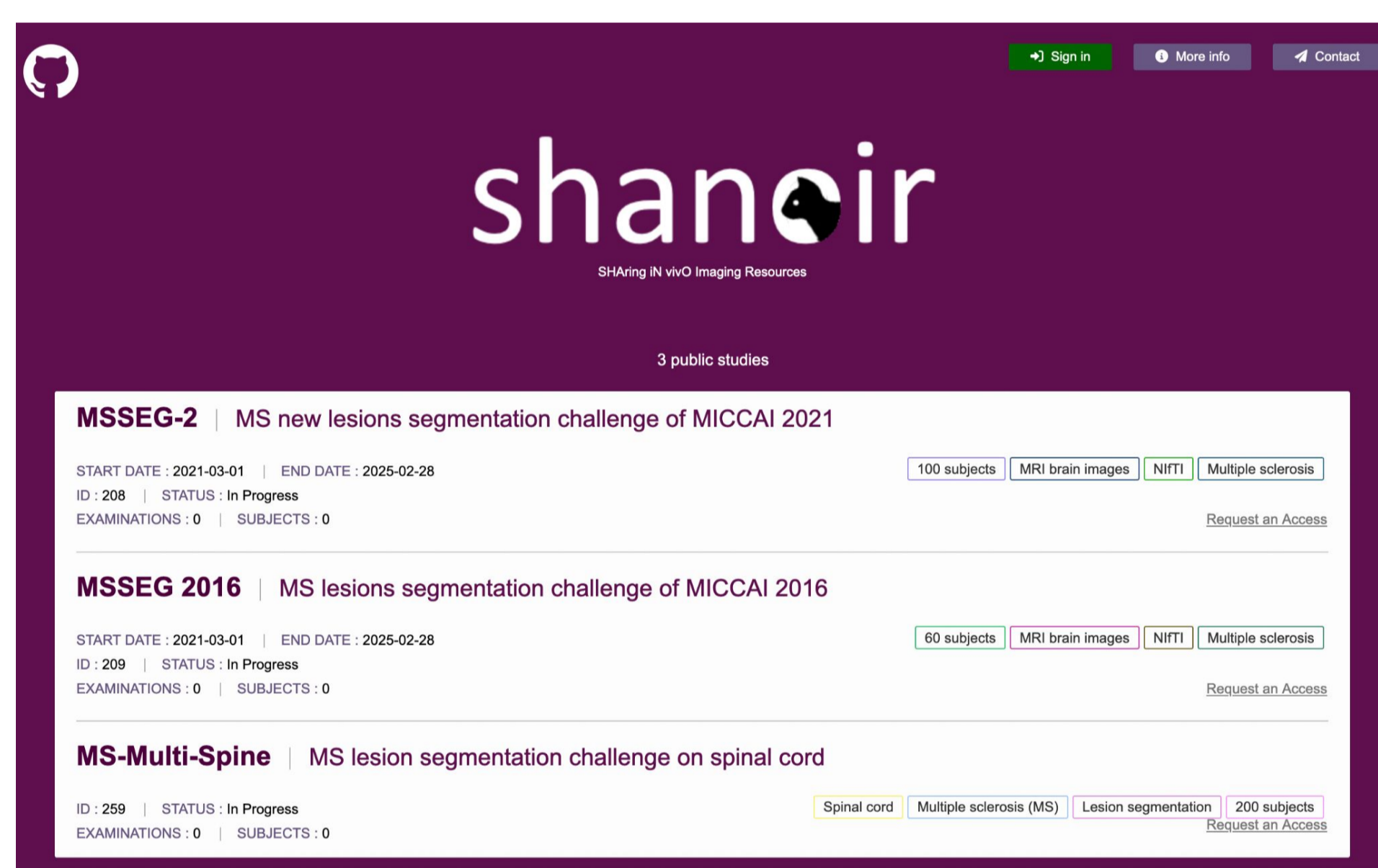


3D image

Non anonymous (**Individualisation**)
Data sharing must comply with **GDPR**

(Open Brain Consent, HBM 2021)

3 steps



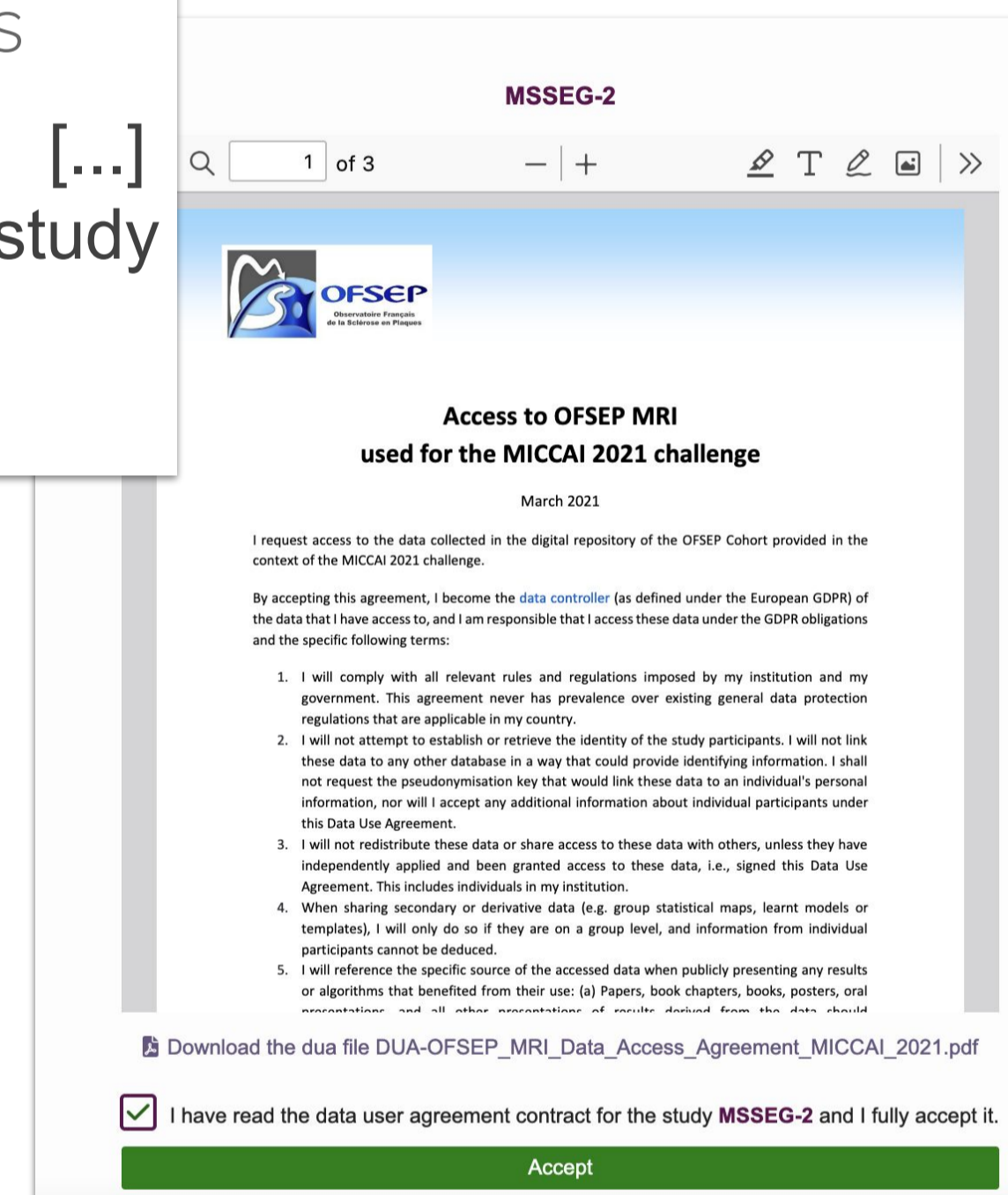
1- List shared datasets

<https://shanoir.irisa.fr/>

Data User Agreement

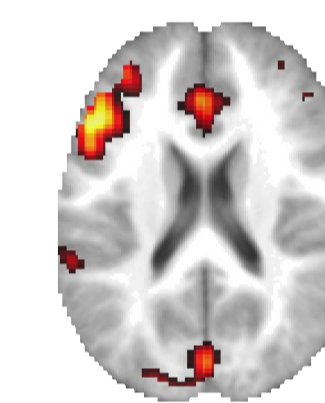
Signed by researchers

"[...] I will **not** attempt to [...] retrieve the identity of the study participants."



2- Sign the Data User Agreement

3- Access the data



Further resources

Shanoir is Open Source software: <https://github.com/fli-iam/shanoir-ng>

Developments are led by a community of members through the **Shanoir Consortium**: <https://project.inria.fr/shanoir/consortium/>

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