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## **Shanoir Landscape 2025**

Shanoir Executive Committee

► **To cite this version:**

| Shanoir Executive Committee. Shanoir Landscape 2025. Inria. 2025. <hal-05135975>

**HAL Id: hal-05135975**

**<https://inria.hal.science/hal-05135975v1>**

Submitted on 30 Jun 2025

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# Shanoir Landscape 2025

June 2025

The Shanoir landscape is edited once a year by the executive committee of the Shanoir consortium. The goal of this document is to look back at the activities of the previous year and provide an overview of the Shanoir open source software, instances as well as ongoing projects and contributors.

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## Software

### Source code

The Shanoir codebase is made up of two main components, both are open source and distributed under the license GPL-3.0:

1. **Shanoir Server** and **Shanoir Uploader** publicly available on GitHub at: <https://github.com/fli-iam/shanoir-ng>
2. **Shanoir Downloader** publicly available on GitHub at: [https://github.com/Inria-Empenn/shanoir\\_downloader](https://github.com/Inria-Empenn/shanoir_downloader)

Metrics: <https://github.com/fli-iam/shanoir-ng/pulse/monthly>

Contribution guidelines are available here:

<https://github.com/fli-iam/shanoir-ng/wiki/Contribution-Workflow>

### Documentation

2 main sources of documentation are available:

1. The [Shanoir website](#) contains a general introduction, news and videos as well as a description of the consortium and how to join
2. The [Shanoir wiki](#) for the technical documentation

## Interoperability

Shanoir strives to be interoperable with other tools and to this aim implements community standards. Specifically, Shanoir accepts DICOM for upload and provides DICOM, NIfTI and BIDS for download. Shared datasets (on the landing page of each Shanoir infrastructure, see section “Infrastructures”) are exposed using Schema.org semantic markup (following Bioschemas profiles).

In addition, Shanoir interoperates with the following tools:

- [medInria](#) can download and display/edit datasets stored in Shanoir.
- [Fed-BioMed](#) uses Shanoir-uploader for (Mass) download from clinical PACS, pseudonymize and inject into local node of Fed-BioMed.
- [VIP](#) can be used as a medical imaging workflow execution platform for large scale image processing

## Consortium

The Shanoir Inria consortium manages the Shanoir software. As of 2025, there are 7 members in the Shanoir Consortium:

1. [Empenn](#) research team.
2. [FLI-IAM](#) (France Life Imaging – Information Analysis and Management)
3. EDMUS Foundation (OFSEP)
4. University of Rennes (Neurinfo)
5. Grenoble Institute Neurosciences (GIN)
6. University Hospital of Nantes (CHUN)
7. Center for Biomedical Imaging (CIBM)

The updated list of members is available at: <https://project.inria.fr/shanoir/consortium/>.

The Shanoir consortium is made up of two bodies. First, the **Scientific and Technical Committee (STC)** which focuses on proposing a medium-term development roadmap and meets approximately every 6 months. In 2024, the CST met in June and November and as a result two road-maps were proposed (see Appendix 1).

Second, the **Executive Committee (EC)**, which meets around once a year, is tasked with considering the longer-term directions of the project. The executive committee met for the first time in November 2024.

## Infrastructures

Shanoir instances are physical infrastructures on which the Shanoir server is installed. Instances are operated, administrated and governed independently of each other and of the Shanoir open source codebase.

The Shanoir consortium knows 4 Shanoir instances that are publicly accessible (see Table 1).

Name	URL	Contact person	HDS	Volume	Users
Neurinfo	<a href="https://shanoir.iris.a.fr/shanoir-ng/">https://shanoir.iris.a.fr/shanoir-ng/</a>	Isabelle Corouge	No	15TB	Neurinfo and partners
OFSEP	<a href="https://shanoir-ofsep.irisa.fr/shanoir-ng/">https://shanoir-ofsep.irisa.fr/shanoir-ng/</a>	Céline Homo	No	20TB	OFSEP cohort only, and VHD Empenn
CIBM		Sébastien Courvoisier	No	?	?
Euris	<a href="https://fli-iam.euris.com/shanoir-ng/">https://fli-iam.euris.com/shanoir-ng/</a>	Annaelle Maire	yes, double replication, actif-actif	2TB	Open to all (fees apply)

In addition, there is one Shanoir instance known of the Shanoir consortium but whose details are not public and one upcoming instance planned for the FLI-IAM project (see Projects section).

Note: Since Shanoir is open source software, there may be more instances that exist but are not known of the Shanoir consortium. We invite infrastructures that would like to appear in the upcoming Shanoir landscape (2026) to contact us (see Contact section).

## Projects

Shanoir as a whole (i.e. either as an open source software or with a specific infrastructure) is part of the following funded projects:

- RHU Primus, Neurinfo instance and OFSEP instance.
- RHU eCAN, Neurinfo instance (temporary)
- PEPR Neurovasc, Neurinfo instance (temporary)
- PEPR Chronicardio, under construction
- FLI-IAM

## Developers and contributors

In 2024:

- Alexandre Pron, Inria (FLI-IAM)
- Anthony Baire, Univ. Rennes (Neurinfo)
- Axel Couturier (CIBM, Swiss)
- Clément Chesnin, Inria
- Guéwen Hubert, Inria (PRIMUS)
- Julien Louis, Inria
- Laurent Vallet, Inserm (NeuroVasc)
- Michael Kain, Inria
- Pierre-Henri Dauvergne, Inria (FLI-IAM)
- Jean-Come Douteau, Inria (FLI-IAM)

## Contacts

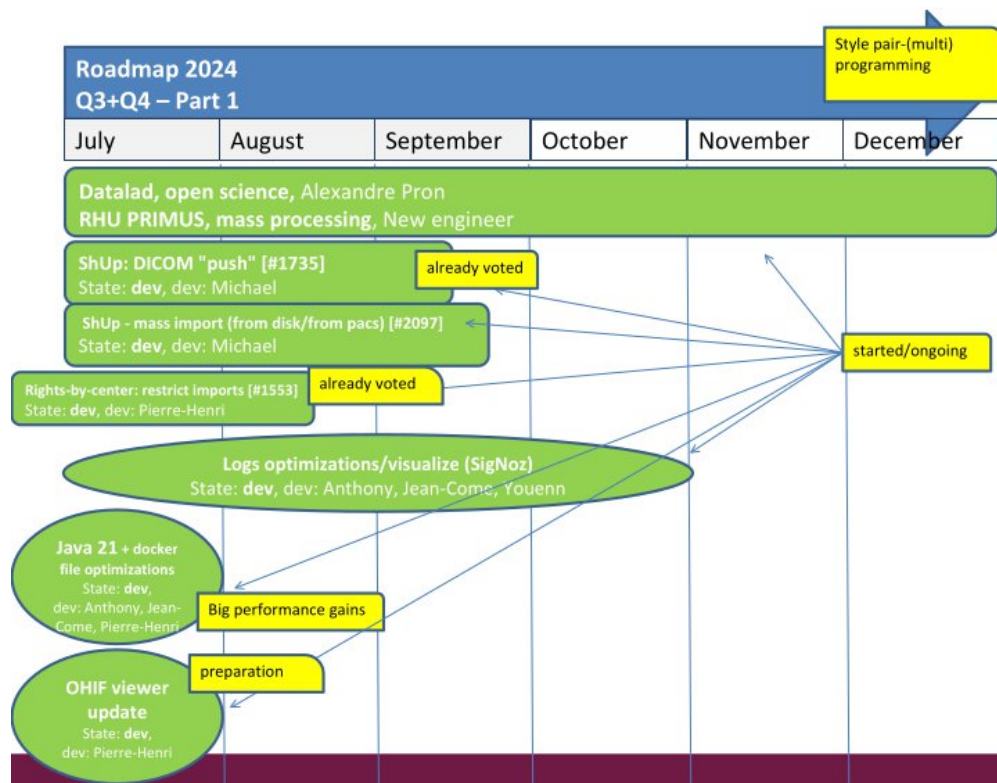
For regular updates on the Shanoir software including news on new features and releases, [sign up to the Shanoir Community mailing list](#) (open to all).

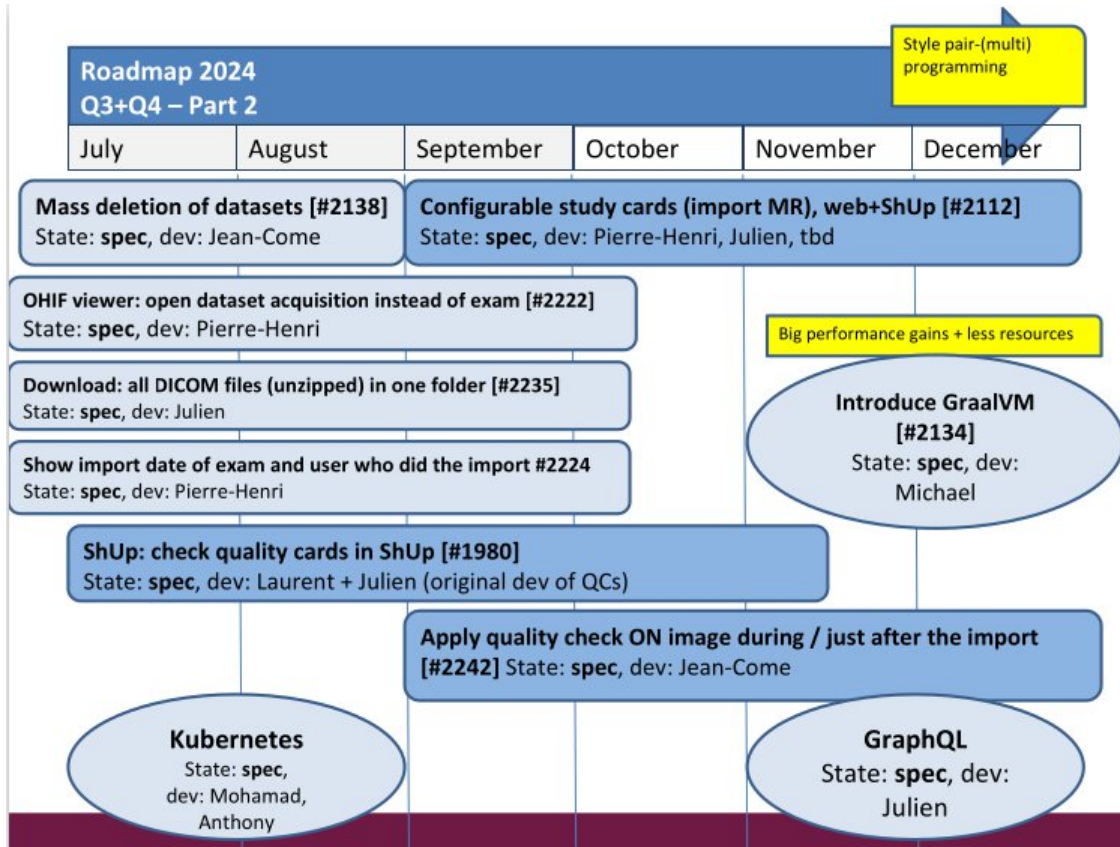
For general inquiries regarding the Shanoir consortium, please contact:

- [Michael Kain](#), technical lead of Shanoir,
- [Camille Maumet](#), president of Shanoir executive committee.

## Appendices

### Appendix 1: Shanoir development roadmap 2024, Q3+Q4





### Appendix 2: Shanoir development roadmap 2025, Q1+Q2

