

Virtual Imaging Platform



Funding source
National, other

In-kind value
€1M–€10M

Timeframe
2010–ongoing

Target group
Researchers

Scale
International

Year of reporting
N/A

Case study

The [Virtual Imaging Platform \(VIP\)](#) is a web portal for medical imaging applications. It allows users to access scientific applications as a service, directly through a web browser, and utilise distributed computing resources in a transparent manner. It exploits the resources available in the biomed virtual organisation of the EGI e-Infrastructure to provide an open service for researchers worldwide.



Collaborators:

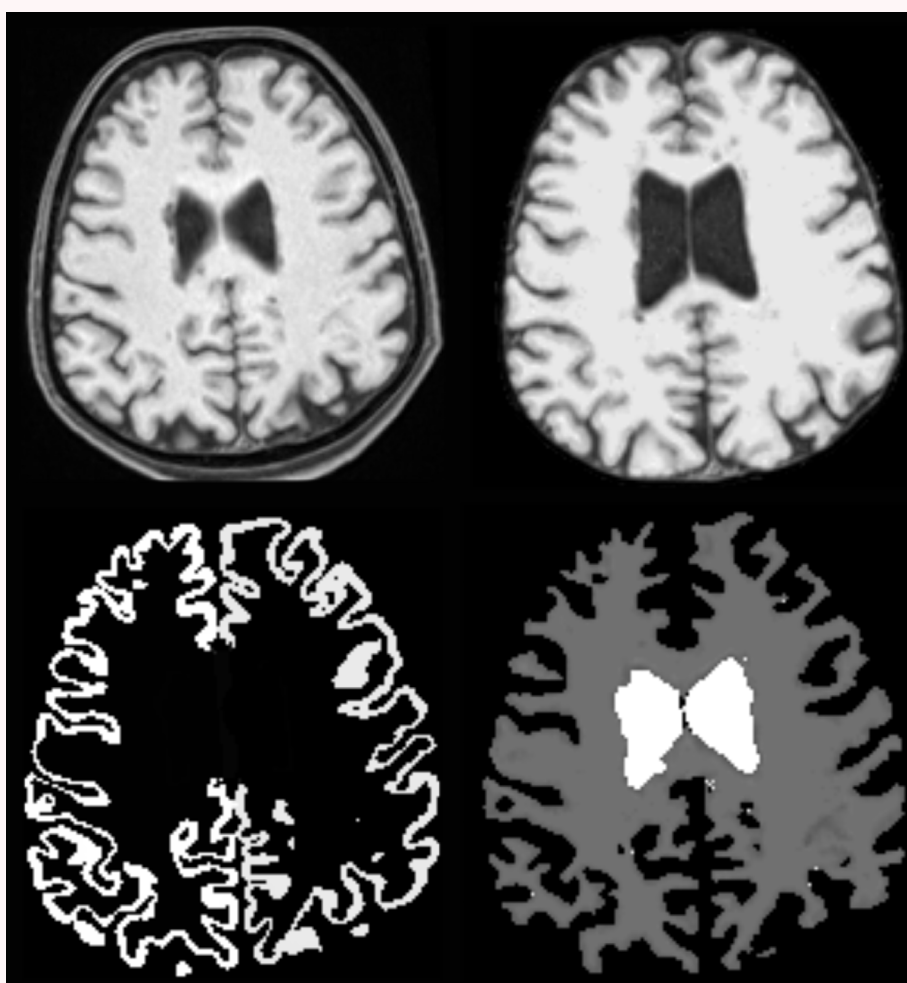


Added value

- Providing users with **access to over 25 scientific applications** directly through their browser, without the need to install any software.
- Enabling simplified access to **distributed computing resources** by handling all underlying complexity without requiring users to have technical expertise.
- Supporting open and reproducible science through tools that facilitate sharing, reuse, and **traceability of experiments and results**.

Problem addressed

The analysis of medical images for research involves multiple processing steps that rely on various algorithms and software packages, creating a significant entry barrier and increasing the risk of reproducibility issues. VIP enables researchers to focus on their scientific goals by providing scientific applications as a service, facilitating transparent access to computing resources, and offering tools that enhance computational reproducibility.

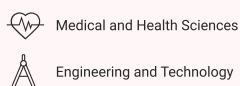


Example of white/grey matter brain segmentation with Freesurfer on VIP. Images: Berardino Barile and Dominique Sappey-Mariniér, MAGICS team, CREATIS Laboratory, France

SRIA General Objective

G02: Enable the definition of standards, and the development of tools and services, to allow researchers to find, access, reuse and combine results

Research areas



Type of result

