The Virtual Imaging Platform (VIP)

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Résumé

The Virtual Imaging Platform (VIP, https://vip.creatis.insa-lyon.fr/home.html), is a web platform hosted at the CREATIS laboratory and offering open access to scientific applications as a service to researchers worldwide.
VIP originated back in 2010 to facilitate the sharing of object models and medical imaging applications, and to provide access to the distributed computing and storage resources of the EGI federation. In 2024, the platform counts more than 1550 registered users and 25 applications openly available. Beyond its initial aims of facilitating the sharing and access to computing resources, VIP has also evolved towards addressing interoperability and reproducibility concerns, in the larger scope of a FAIR (Findable, Accessible, Interoperable, Reusable) approach to scientific data analysis. From 2022 to 2024 VIP was part of the ReproVIP ANR project (https://reprovipgroup.pages.in2p3.fr/documentation/) aiming at evaluating and enhancing the numerical reproducibility of VIP outcomes.
VIP is involved in multiple national and European initiatives (France Life Imaging, France Grilles, EGI) and projects (EUCAIM, EOSC Data Commons) related to the EOSC. The presentation will give an overview of the VIP activities in view of further discussions with the EOSC community.

Mots-Clés: scientific applications, medical imaging, computing, reproducibility

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