



EMIF Deliverable 14.7: First EMIF-Platform architecture stack Executive summary

Executive Summary

Over the last few years, several solutions to link the increasing amount of clinical and disease-specific data throughout Europe have been developed. In the context of the EMIF-Platform, several projects, tools and frameworks were analysed, reaching a deeper understanding of the adopted strategies and the systems' main features.

The EMIF-Platform intends to bring together modular components, supporting search and advanced search functionalities, which will allow finding the specific data sources that fulfil a set of requirements; provide data visualization; navigation interfaces; and dashboards to support the workflows and cooperative work between researchers and database owners. Through this single smooth experience, health data will be more findable for researchers, who can then assess the suitability of the data in regards to their research question and can consider further collaboration. Until now, there was a clear vision about what was expected from the EMIF Platform to allow its vertical components to make early progress. Even though not all in this respect has been accomplished, the platform now also needs to start to look ahead and foresee the functionality to accommodate the requirements coming from the other work packages on topics like ontology management, business model implications, workflow organisation, as well as the users that will eventually use it. The EMIF Platform v3 needs to be a first full stack integrated platform that will fulfil the researchers' and data custodians' requirements.

This report focuses on the architecture and tools already developed, the improvements and the connections that are required to be further developed immediately, as well as the future perspective that all will be integrated to facilitate the communication between the different communities, people and tools.

Contacts

EMIF-Platform: Johan van der Lei – Nigel Hughes
j.vanderlei@erasmusmc.nl - nhughes@its.inj.com