

EBRAINS Scientific Liaison Unit

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Abstract:

The Human Brain Project (HBP) is developing and providing a European Brain Research Infrastructure (EBRAINS), which offers NEST as a service component. EBRAINS provides digital tools and services for brain research, aiming for a concerted usage of the different tools. This allows researchers to simulate, visualize, analyze, and compare brain activity at different spatial and temporal scales (e.g. TVB-NEST multiscale simulation tool). EBRAINS comprises more than 130 European research organizations, each with a large number of scientists, programmers and technical coordinators. On top of this, it also entails divisions responsible for management, outreach, communication, education, ethics and, of course, the director's board. The Scientific Liaison Unit (SLU) was founded in order to reconcile the different needs and viewpoints resulting from the complexity of developing and operating this immense EBRAINS infrastructure.

In my talk, I will give an overview of the different areas of responsibility that the SLU has. In particular, I will explain our strategies for identifying and prioritizing the needs of the scientific community and their formulation into technical requirements based on scientific showcases [1]. In this context, I will also demonstrate how we present the content of the showcases in a very systematic and standardized way, which helps researchers to structure their work and to identify potential challenges as well as opportunities for extension and interaction early on.

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References

1. <https://drive.ebrains.eu/f/2d30a9a6284f4cc0b8c9/>