



PRESS RELEASE

EBRAINS and SciLake Collaborate to Advance Neuroscience Research

April 24th, 2024

EBRAINS, a leading digital research infrastructure for neuroscience, is pleased to announce a strategic collaboration with SciLake on a neuroscience pilot project. This partnership aims to enhance neuroscience research by interlinking the EBRAINS Knowledge Graph (KG) with SciLake's services. The joint effort focuses on improving data connectivity with scientific articles and identifying trends and gaps in neuroscience research through advanced analytics.

Neuroscience is a complex field that encompasses the study of the brain's basic properties, disease-related changes, and applications in brain-inspired sciences. One of the most significant challenges in this field is the diversity of data sources and formats, which can impact the reproducibility of research outputs. EBRAINS is a domain-specific repository that has aimed to address this issue by integrating heterogeneous data and metadata. However, incorporating publication-oriented resources like the OpenAIRE Research Graph still presents a significant challenge. The collaboration between EBRAINS and SciLake addresses this gap, aiming to facilitate seamless integration of information from various resources, enabling researchers to track progress and identify major trends. By utilizing advanced text mining functionalities, the current knowledge graph will be expanded to extend the scope and relevance of available data, enhancing its accessibility to users.

The collaboration anticipates improved data workflows, insights into the research landscape, and optimized data curation efforts. SciLake's neuroscience pilot aims to

enhance connectivity and FAIRness, benefiting researchers using EBRAINS data services and interoperable platforms globally.

Learn More: visit www.ebrains.eu for more information.

About EBRAINS

EBRAINS is an open research infrastructure that gathers high-quality research data, tools and computing facilities for brain-related research, built with interoperability at the core. The infrastructure offers an extensive range of brain data sets, a multilevel brain atlas, modelling and simulation tools, and access to high-performance computing resources and robotics and neuromorphic platforms to researchers. Explore the tools and services available here.

EBRAINS AISBL is an international non-profit association, headquartered in Brussels, Belgium. The Research Infrastructure is organised around a central hub that coordinates a pan-European network of services delivered through 11 National Nodes: Belgium, Denmark, France, Germany, Greece, Italy, Netherlands, Norway, Spain, Sweden, and Switzerland.

About SciLake

SciLake is a project funded by the European Union's Horizon Europe program. The project aims to create a seamless integration between domain knowledge and open Scientific Knowledge Graphs while also developing useful added-value services for specific research areas. The ultimate goal is to empower researchers and foster a more interconnected and efficient scientific community. SciLake brings together a competent consortium of 13 partners from 9 different countries. The consortium consists of partners with expertise in knowledge management and discovery, as well as experts from Neuroscience, Cancer, Transportation, and Energy research, who are involved in piloting activities.

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