

BBMRI Competence Center in EGI-ENGAGE

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As has been demonstrated in the previous years, providing high-quality samples and data for biomedical research is one of the key challenges the science is currently facing. BBMRI-ERIC, a European Research Infrastructure Consortium on Biobanking and Biomolecular Resources, strives to establish, operate, and further developing a pan-European distributed research infrastructure of high-quality biobanks and biomolecular resources. The talk will outline the BBMRI Competence Center (BBMRI CC) of EGI ENGAGE, focusing on processing of human omics data, which is very frequent task related to biobanking and also very sensitive because of the protection of personal data. The goal of the BBMRI CC is to enable processing of such data inside the biobanks using private cloud concept, which can be in practice implemented utilizing the EGI Federated Cloud framework. Requirements both from the data processing perspective and from the data protection perspective will be discussed. We will outline the work that is planned for the competence center and discuss its relation with other relevant projects and infrastructures (e.g., BiobankCloud, BBMRI-ERIC Common Service IT), tools from which will be used for the BBMRI CC pilot for integration into the practical workflows based on the EGI and EUDAT technologies.

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Session Classification: Showcasing tools and services from Research Infrastructures