Contribution ID: **45**   Type: **Special Topic Presentation (25' + 5' for questions)**

EUCAIM: An architecture for the federated European Cancer Imaging Infrastructure

Tuesday, 26 September 2023 10:10 (30 minutes)

EUCAIM (https://cancerimage.eu/) is a pan-European federated infrastructure for cancer images, fueling AI innovations. A federated infrastructure supports EUCAIM, including a set of core services that comprise a public metadata catalogue, a federated search service following a common hyperontology, an access negotiation system, a coherent AAI and a distributed processing service. EUCAIM will permit users to discover, search, request, access and process medical imaging and associated clinical data in a flexible manner, supporting federated providers with different access levels and a centralised catalogue. EUCAIM is based on cloud and container technologies and it will be linked to intensive computing infrastructures such as EGI and supercomputing centres.

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Session Classification: IBERGRID Special Topics

Track Classification: Development, implementation and operation of Data Spaces