EUCAN IMAGE

From federated big data repositories to trustworthy artificial intelligence in oncology

EuCanImage is a large-scale international project funded by the European Commission to unlock the power of Artificial Intelligence in cancer care through federated and trustworthy big data driven solutions

EuCanImage builds a secure, privacy-preserving and scalable platform for AI in oncology. It will include new data from over 25,000 single subjects and will be cross-linked to other biological and health repositories through the European Genome-Phenome Archive, allowing multi-scale integrative AI solutions.

EuCanImage enables the development of novel, integrative AI solutions to address challenging unmet clinical needs, such as to:
- Increase the diagnostic sensitivity of cancer imaging to detect small tumours
- Predict the level of response to neoadjuvant radio(chemo)therapy
- Distinguish between molecular subtypes of invasive ductal breast carcinoma
- Identify small-size liver metastases in colorectal cancer

EuCanImage established the FUTURE-AI guidelines for trustworthy AI:
FUTURE-AI consists of best practices and concrete recommendations to build clinically safe, technically robust and ethically compliant AI solutions based on six guiding principles, i.e. Fairness, Universality, Traceability, Usability, Robustness and Explainability.

"EuCanImage is an unprecedented opportunity to create a long-awaited European ecosystem for sharing large-scale medical data and developing trusted AI solutions for next-generation precision oncology"

***Karim Lekadir**, University of Barcelona, EuCanImage Coordinator*

visit **eucanimage.eu** for more information

The EuCanImage consortium is an experienced and ambitious **academic-industrial-clinical partnership**, comprising a total of **20 partners from 11 countries** across Europe and the United States.

EuCanImage leverages world-renowned expertise and a unique track record in **artificial intelligence, clinical radiology, precision oncology, data management** and **data security**.

A trusted data management and curation platform for enhancing AI cancer imaging

You can already **access the EuCanImage Data Portal today**! Scan the QR code to head to the Data Portal, or visit **platform.eucanimage.eu**.

UNIVERSITAT DE **BARCELONA**

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