



# EUROPEAN CANCER IMAGING INITIATIVE

#euCancerImaging

Equity, excellence and innovation – modern cancer care for all  
Europe's Beating Cancer Plan – eradicating inequalities within cancer care  
High-level conference on cancer  
1 February 2023, Stockholm

**Marco MARSELLA**

Head of Unit CNECT.H3 eHealth, well-being and ageing  
Vice-director CNECT.H Digital Society, Trust and Cybersecurity





## Vision and Mission of this Initiative



Deploy a pan-European **federated infrastructure** to power up AI & Imaging to beat cancer



Provide a **Research Platform** for the development & benchmarking of AI tools toward Precision Medicine

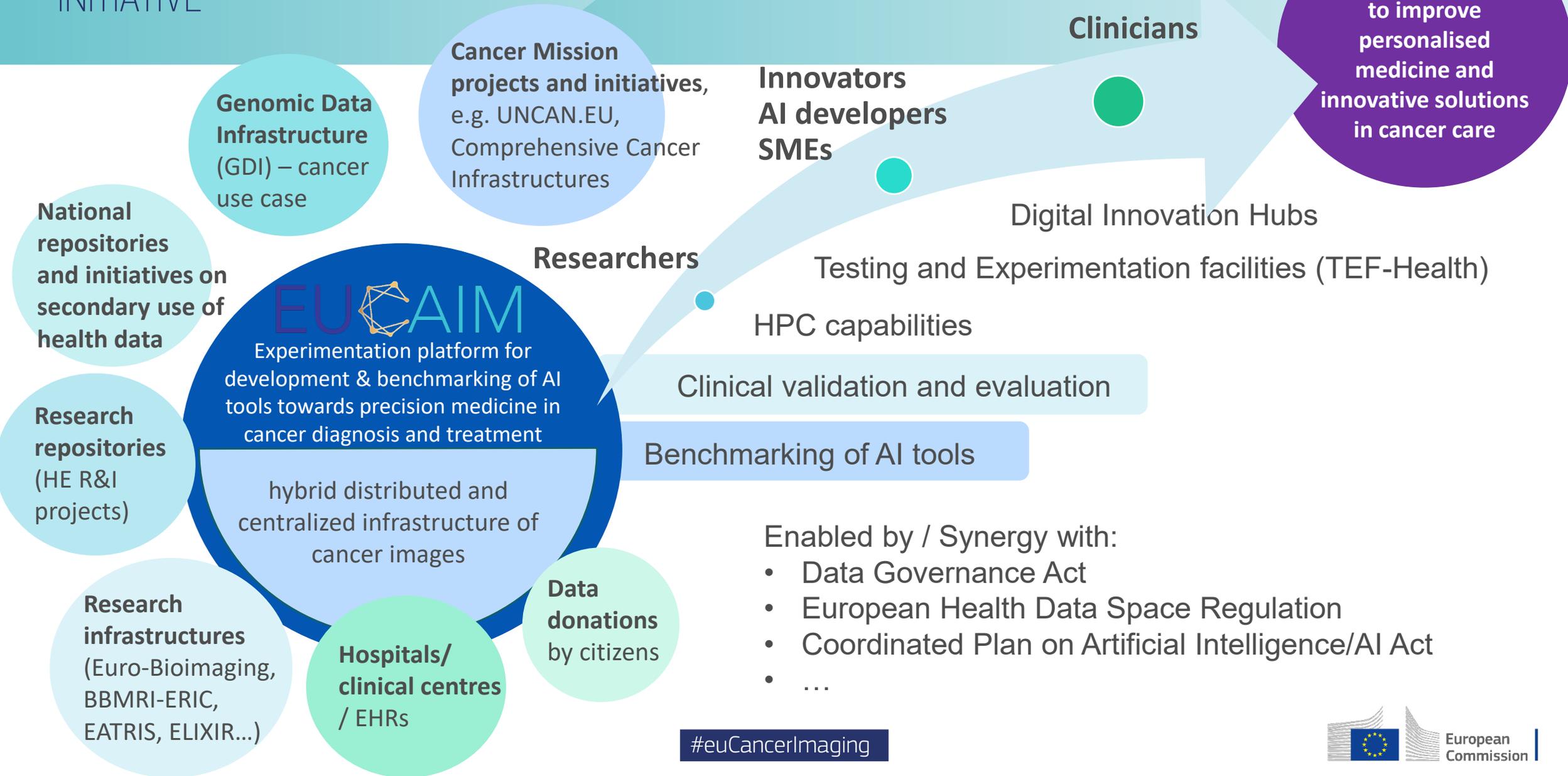


Address the fragmentation of the existing cancer image repositories by building a **distributed Atlas of Cancer Images** (>60M cancer images)



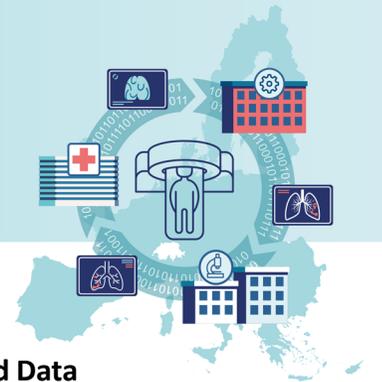
Create a **Federated Datawarehouse** approach for deploying Observational Studies and populate the centralized Image Repository

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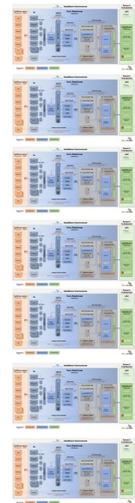
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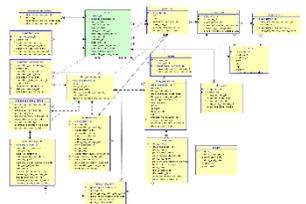


## Hybrid Platform

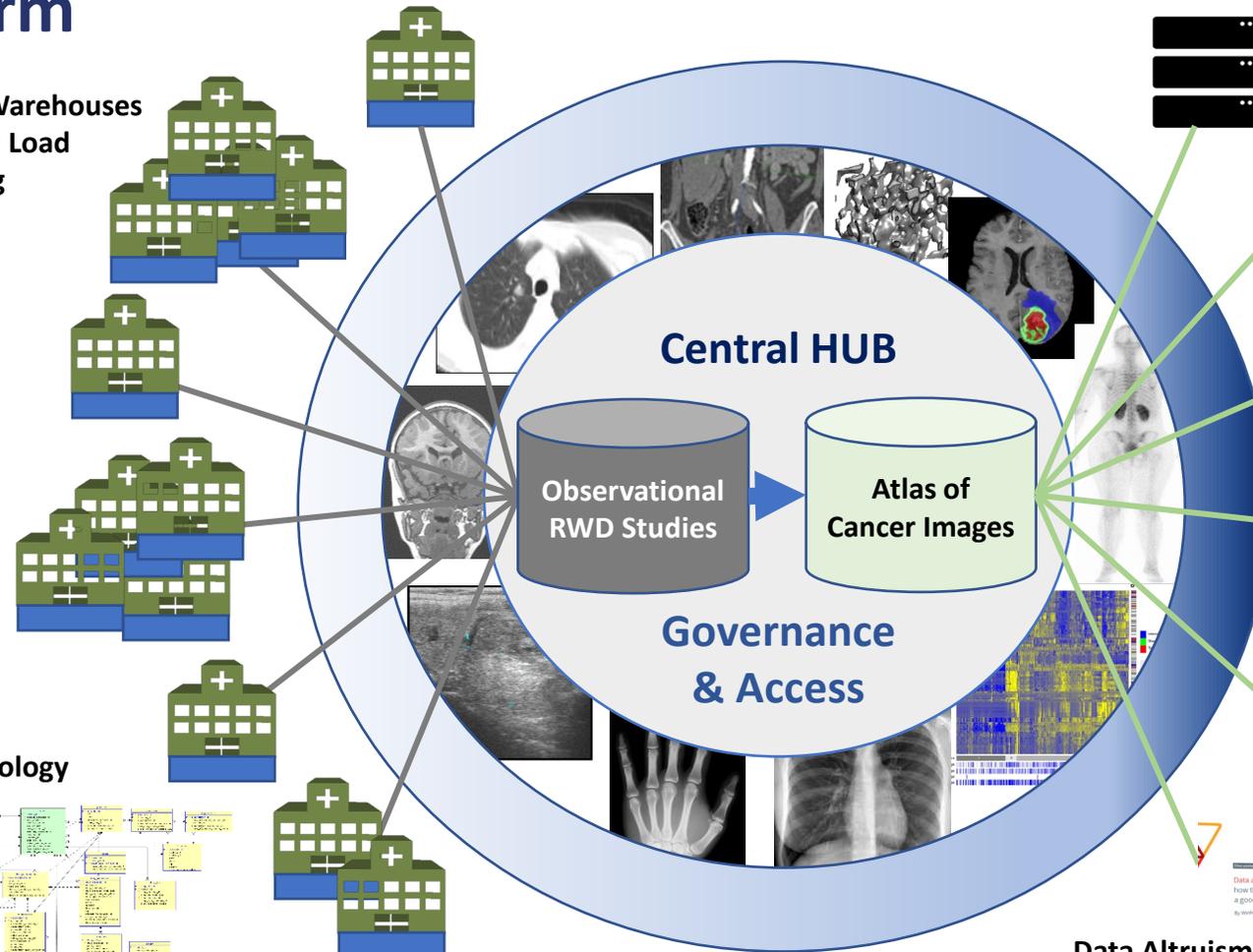
Distributed RW Data Warehouses  
Extract, Transform and Load  
ML Federated Learning



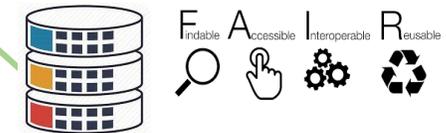
CDM hyper-ontology



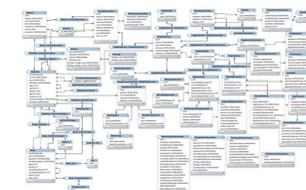
DIGITAL-2022-CLOUD-AI-02-CANCER-IMAGE



Metadata Catalogue  
Annotated Structured Data  
AI Experimentation Platform



DICOM-MIABIS



Data Altruism

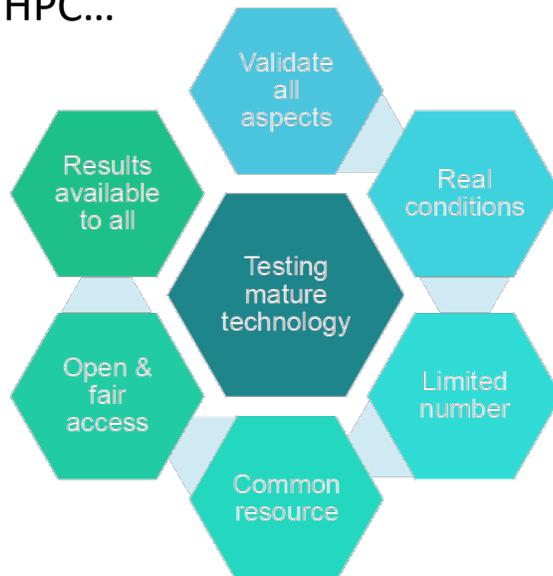
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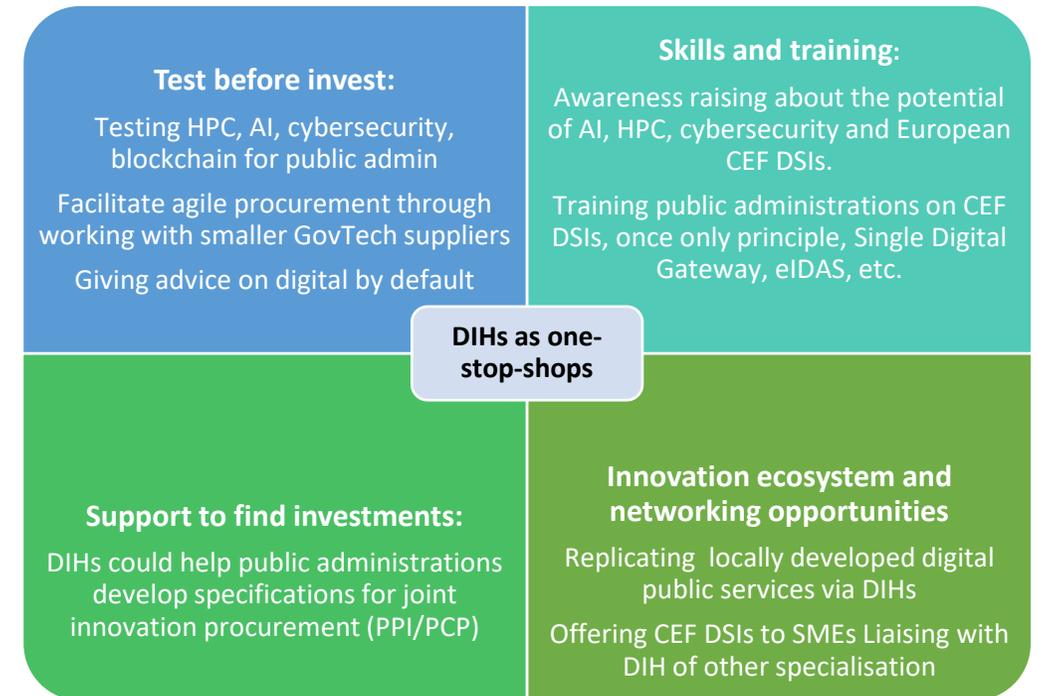
## Links to TEF-Health

- World class reference sites for experimentation and testing AI
- Equipped with infrastructure and latest AI + access to cloud/data/HPC...



<https://digital-strategy.ec.europa.eu/en/activities/testing-and-experimentation-facilities>

## Links to Digital Innovation Hubs



<https://digital-strategy.ec.europa.eu/en/news/cycle-workshops-european-digital-innovation-hubs>





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[ec.europa.eu/](https://ec.europa.eu/)  
European Cancer Imaging Initiative | Shaping Europe's digital future (europa.eu)



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[CNECT-CANCER-IMAGING-INITIATIVE@ec.europa.eu](mailto:CNECT-CANCER-IMAGING-INITIATIVE@ec.europa.eu)

