



# Establishing the EOSC4Cancer Network of Experts

*EOSC4Cancer WP5 “Training and capacity building for key national and international stakeholders”*

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- Welcome and introductions
- Brief overview of EOSC4Cancer
- Training activities across EOSC4Cancer
- Building towards a Network of Experts
- Discussion / Q&A

# INTRO TO EOSC4CANCER



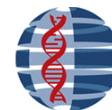
European  
Commission

European Health Data Space  
European Cancer Mission

## Alignment



## Open data standards



International  
Cancer Genome  
Consortium



Global Alliance  
for Genomics & Health  
Collaborate. Innovate. Accelerate.



Accelerating  
Research in  
Genomic Oncology  
International Cancer Genome Consortium



## Stakeholders



European  
Genomic Data  
Infrastructure



EUCAN  
IMAGE ...

- EOSC4Cancer as provider of the **infrastructure for the exploitation of cancer data** for the **EU Cancer Mission**.
- EOSC4Cancer brings together comprehensive **cancer centres, research infrastructures**, leading **research groups**, and major **computational infrastructures** across Europe to make the exploitation of the data possible.
- EOSC4Cancer will prepare **EOSC services** for cancer research and enrich EOSC with **data, tools** and **services** from the cancer community.
- **Start:** 1 September 2022 (30 months)
- **Consortium:** 28 full beneficiaries, 1 associated partner & 5 affiliated entities.

# Partners, associates, and affiliated entities



## → *Facilitate Cancer Research across Member States and Associated Countries*

- ◆ Enable **storage, access, sharing, analysis** and processing of research data and other digital **research objects** from basic and clinical cancer research.
- ◆ Mobilise, **interconnect** and **interoperate datasets** relevant in cancer research.

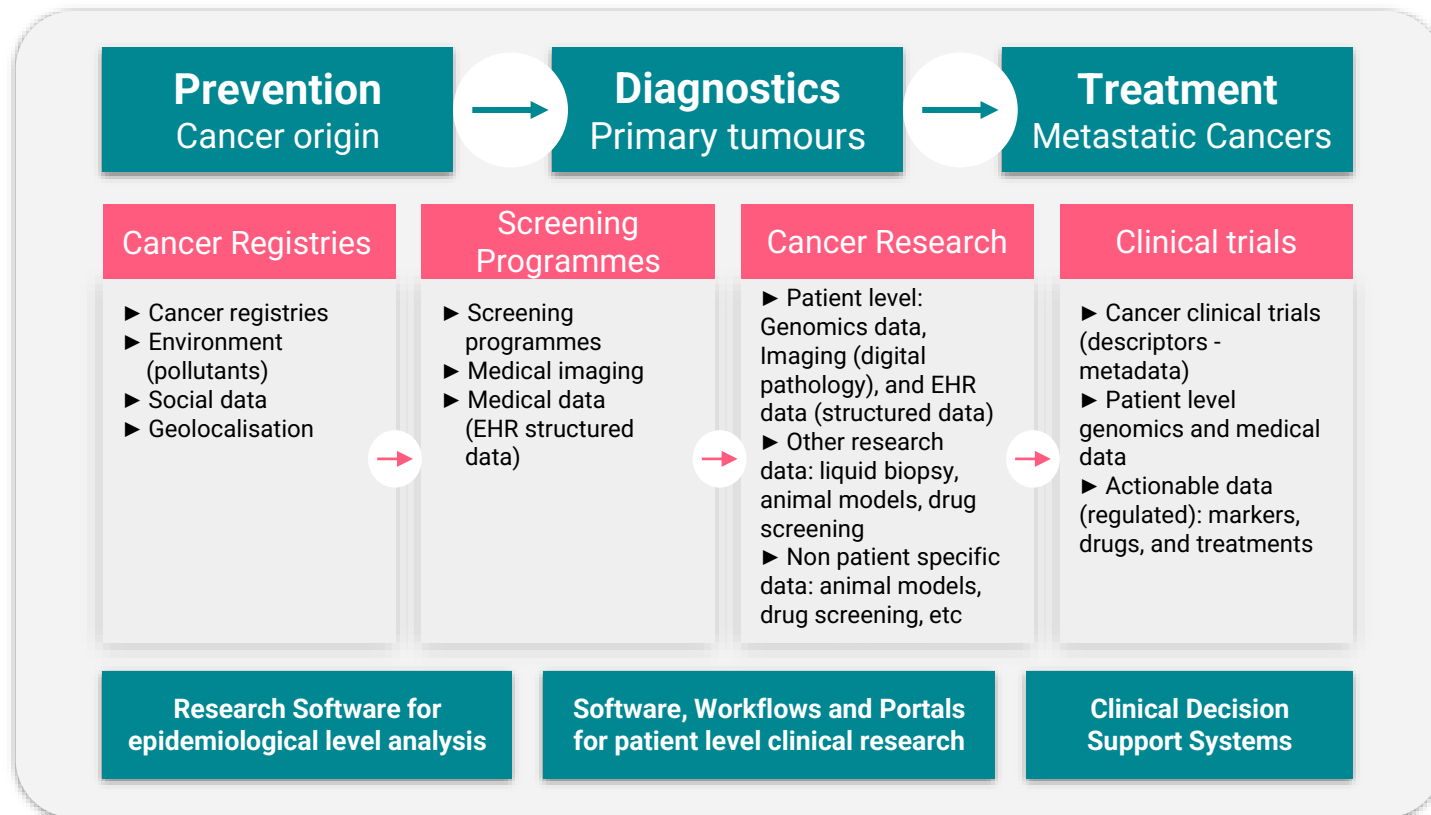
→ *Researchers, healthcare professionals, cancer patients, and survivors contributing to cancer research*

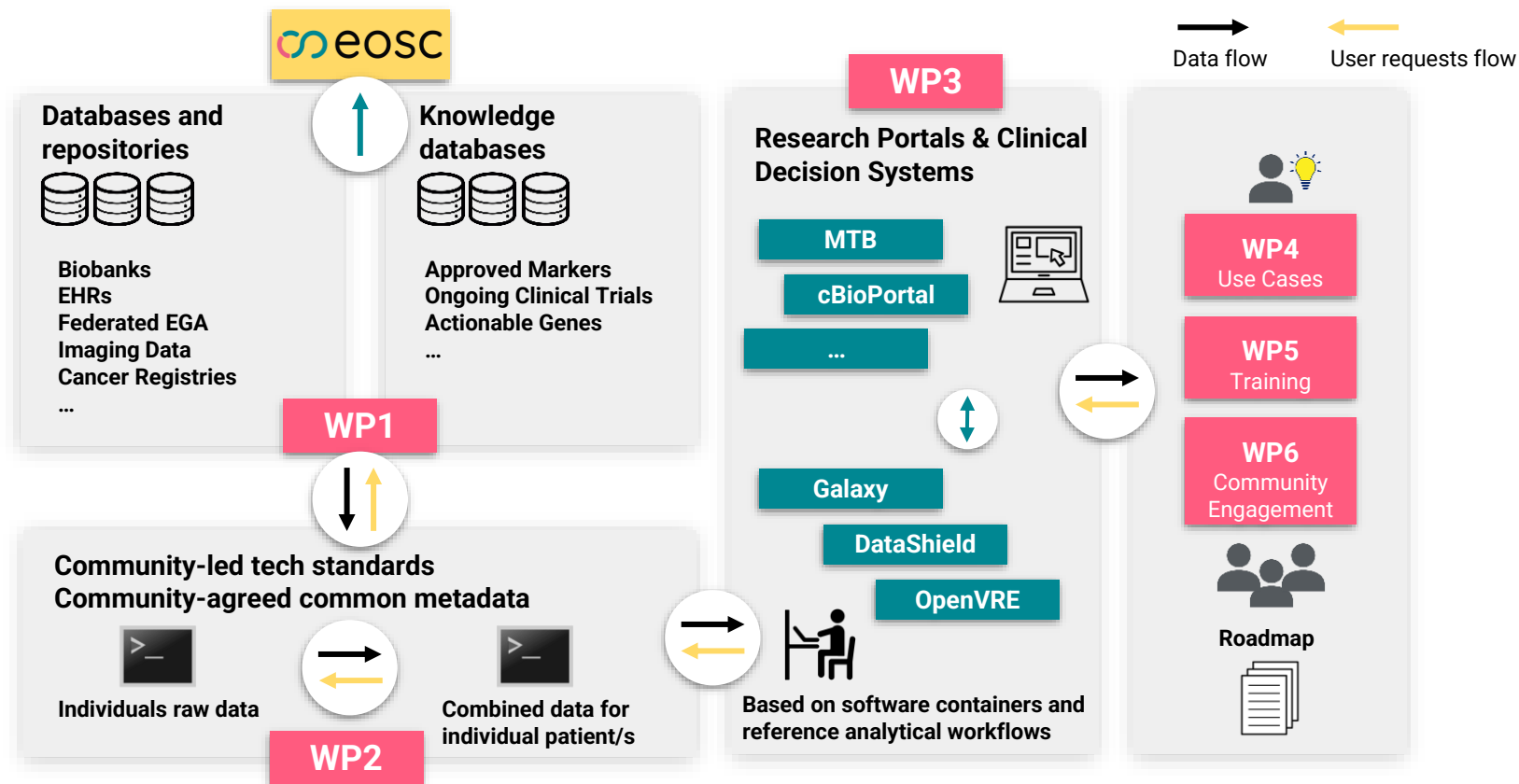
- ◆ Make cancer research **data** and **analysis systems** accessible to basic and clinical scientists in the most used cancer **analysis portals**.
- ◆ Integrate digital tools, data analytics and Artificial Intelligence/Machine Learning tools for the analysis of cancer data in the cancer analysis portals.



→ *Contribute to the Horizon Europe EOSC Partnership and other relevant partnerships related to cancer research.*

- ◆ Contribute to the **European Health Data Space** (EHDS), the Horizon Europe **European Open Science Cloud** (EOSC) Partnership and the **Cancer Mission**. Participation of patient/survivors associations in the project's Stakeholder forum and in the Scientific Advisory Board together with the Ethics Advisory Board.

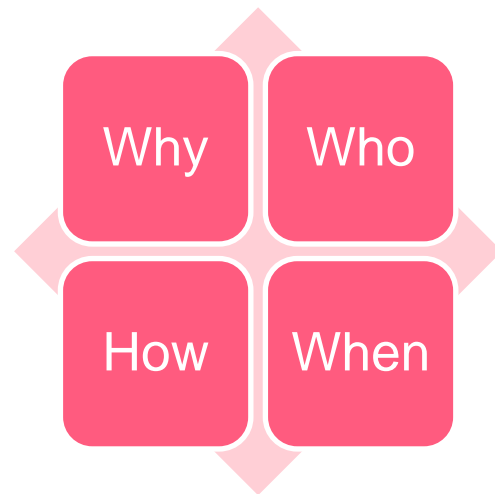




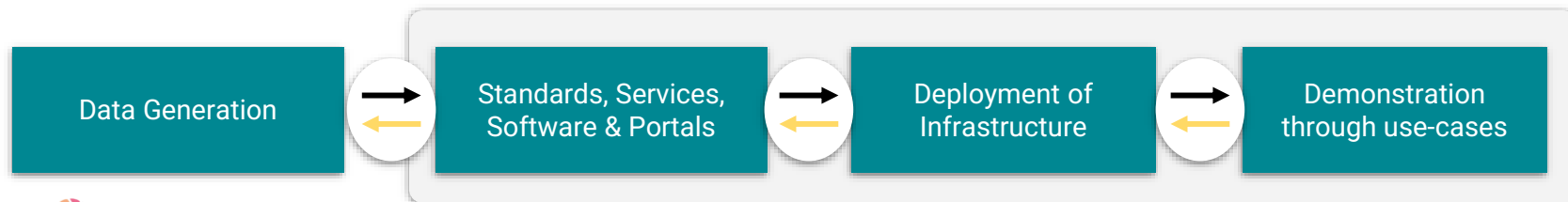
**Objective:** To make data findable, accessible, interoperable, and reusable (FAIR), guided by prototypic clinical needs encountered during the Cancer Patient Journey.

## 5 Use cases: Colorectal cancer

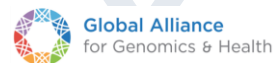
- primary prevention
- secondary prevention/early detection
- diagnostics & treatment of primary CRC
  - tissue based biomarkers
  - ctDNA
- diagnostics & treatment of metastatic CRC



# Dependencies and Collaborations

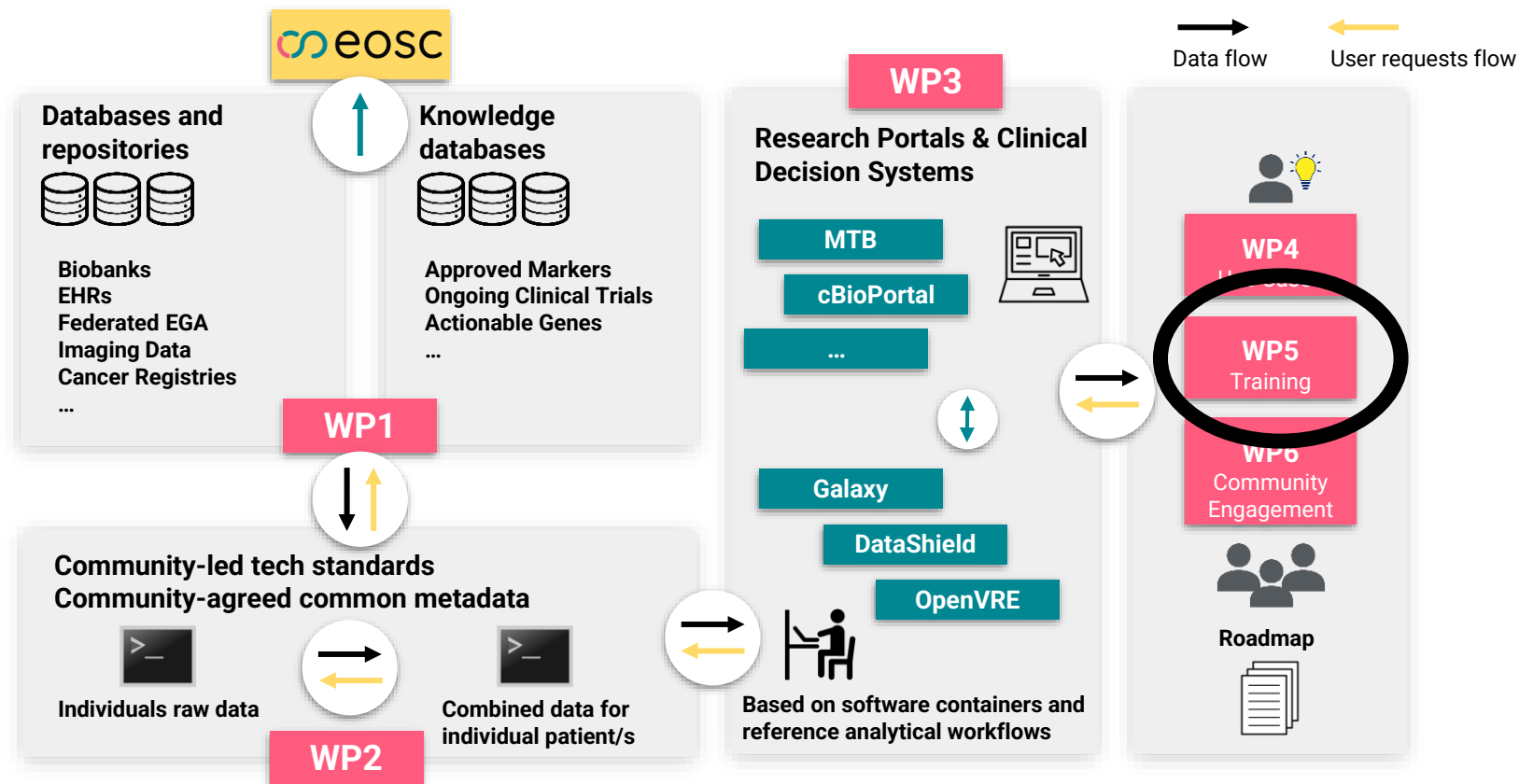


European  
Genomic Data  
Infrastructure



# Training and Capacity Building in EOSC4CANCER

# EOSC4Cancer structure overview



Dedicated WP on training activities

## Vision:

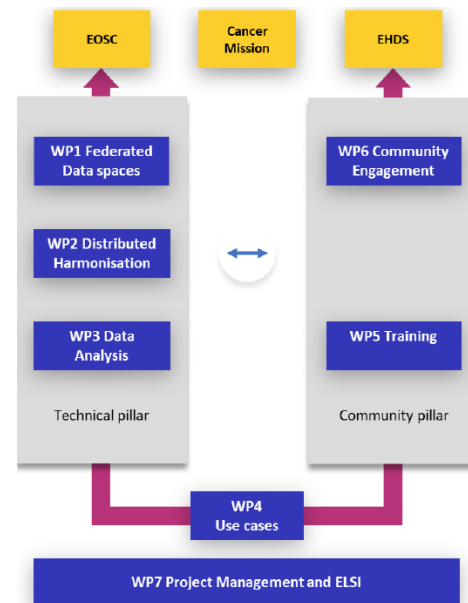
Clinical researchers, healthcare professionals, cancer patients and survivors **have access to training** that can **facilitate their interaction with EOSC** to store, share, access, analyse and process research data and other research digital objects from their own discipline, across disciplines and national borders



- ❑ Ensure that the biomedical researchers and healthcare professionals will have the **knowledge and skills** on how to best address their scientific questions and challenges by using the **tools and infrastructure** towards accelerating and optimising their research.
  - ❑ We will be doing this in collaboration with and depending on the expertise of the experts on cancer data
- ❑ Part of the **Community Pillar** - ensures that the researchers, including clinical ones, are trained in the systems provided by the project

Two key objectives:

- **Objective #1:** Establish a training portfolio related to cancer data research
- **Objective #2:** Scaling training activities through a European support network (*primary focus of this webinar*)



1. A guidance document for the EOSC4Cancer learning pathways

*A document outlining learning pathways designed under EOSC4Cancer and connecting them to the identified EOSC roles and skills.*

1. Courses portfolio, linked through the RDMkit Cancer View

*A document outlining the key learning pathways defined under the overarching training effort, and linked through the RDMkit Cancer View portal.*

- need **input** from all experts and stakeholders, especially around **existing training efforts** and **resources**
- **feedback** on the **gap analysis** from all stakeholders both within and outside the project consortium
- “**RDMkit Cancer view**” to be used by stakeholders, ensuring that it’s **effective** and **usable without extensive prior technical knowledge**

# Establishing a European training support network for cancer data research

- **Unlock and align the expertise both within and outside the EOSC4Cancer consortium** in handling cancer related data,  
*and*
- **Bundle this** in such a way that all researchers that are in need of support will be able to receive it.
  - Challenge: it is not scalable to support and train end-users directly

Focus on **building training capacity and expertise** in a group of key data professionals (a.o. data stewards) in the partner institutes (& beyond)

- Connect these data professionals together in a **European training support network/community** for cancer data research
  - Align to the existing networks of data professionals within the respective RIs and relevant national initiatives and competency centers
- The network of experts will **share expertise and best practices** and **collaboratively work** on topics & priorities identified by the network

# Network of key cancer data support professionals (1/2)

- Knowledge exchange & peer-learning
  - Best practices, challenges
- Share training resources & training expertise
- Work together on identified tasks
  - RDMkit Cancer view pages
  - Defining needed skills/competencies and curriculum
  - Analyse training gaps
  - ..
- Form linking pins to relevant stakeholders
  - Ensure outreach/dissemination of EOSC4Cancer results
  - Scalability
- Increase their own training skills (e.g. via train-the-trainer)

- Minimal network: experts from “internal” stakeholders
  - representatives of all EOSC4Cancer partners
  - from all WPs - not only WP5!
- Add: relevant “external” stakeholders
  - WP6 has done stakeholder analysis
- Add: Plus other identified “external” experts
  - Also find out existing networks and liaising with them, connecting with them
- Start with setting up minimal network and expand in stepwise fashion, according to plans/ideas of the minimal network members

**Please join us  
if you are  
interested to  
contribute!!!**



Discuss ways of contributing to the network, aligned to your ongoing activities within EOSC4Cancer.

- First online meeting of the emerging network will be held in September
- EOSC4Cancer workshop **17-18 October 2023** (save the date!)
  - Will include participants from the network
  - Proposed sessions where Network of Experts can contribute
    - Formulate action plan moving ahead
    - Session related to co-authoring RDMkit pages
    - Session related to identifying skills, curriculum

# Please reach out!

Contact us if you want to know more and if you want to join the emerging network

Fotis & Fatima

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# Thank you!

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