



# UNLOCKING THE POWER OF HEALTH DATA

FOCUS ON EARLY  
DETECTION  
OF LUNG CANCER





# Integration of Heterogeneous Data and Evidence

towards

Regulatory and  
HTA  
Acceptance

'We aim to improve clinical decision-making and enhance  
patient access to health innovations through better use of health data'



# IDERHA's Vision

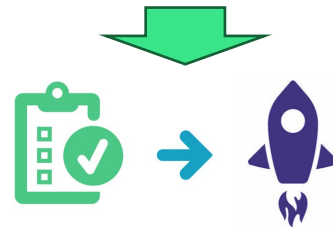
Integration of heterogeneous **Data** and **Evidence** towards **Regulatory & HTA Acceptance**

In IDERHA we will be an open, disease agnostic, federated data space which enables connectivity, access, use and reuse of digital health data

&

develop consensus policy recommendations on health data access and heterogeneous health research (e.g. RWE) for regulatory and HTA decision-making.

We are not only a project, but an investment from the EU to build a **sustainable infrastructure & develop solutions to save lives.**



From Project to Start-Up

# IDERHA's Synergetic Interconnectivity

IMI Projects



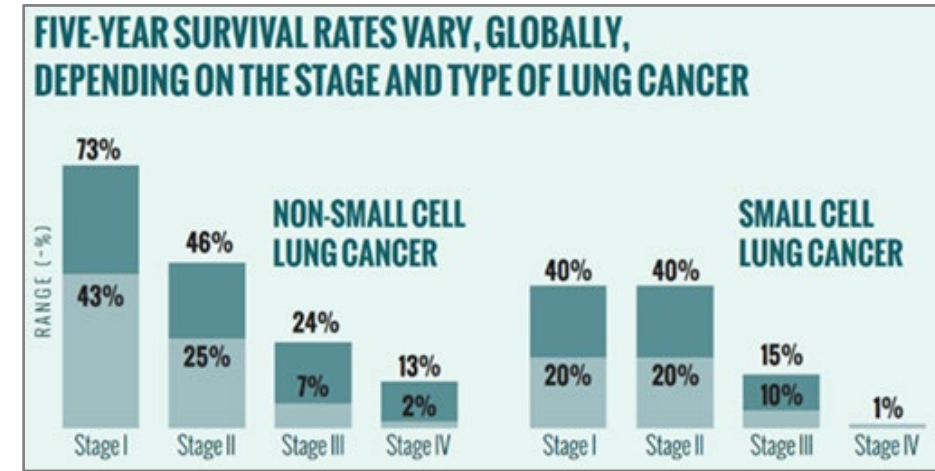
EU Data Standards



EU Health Data Space Public Partner



# IDERHA's Connectivity with EU Initiatives

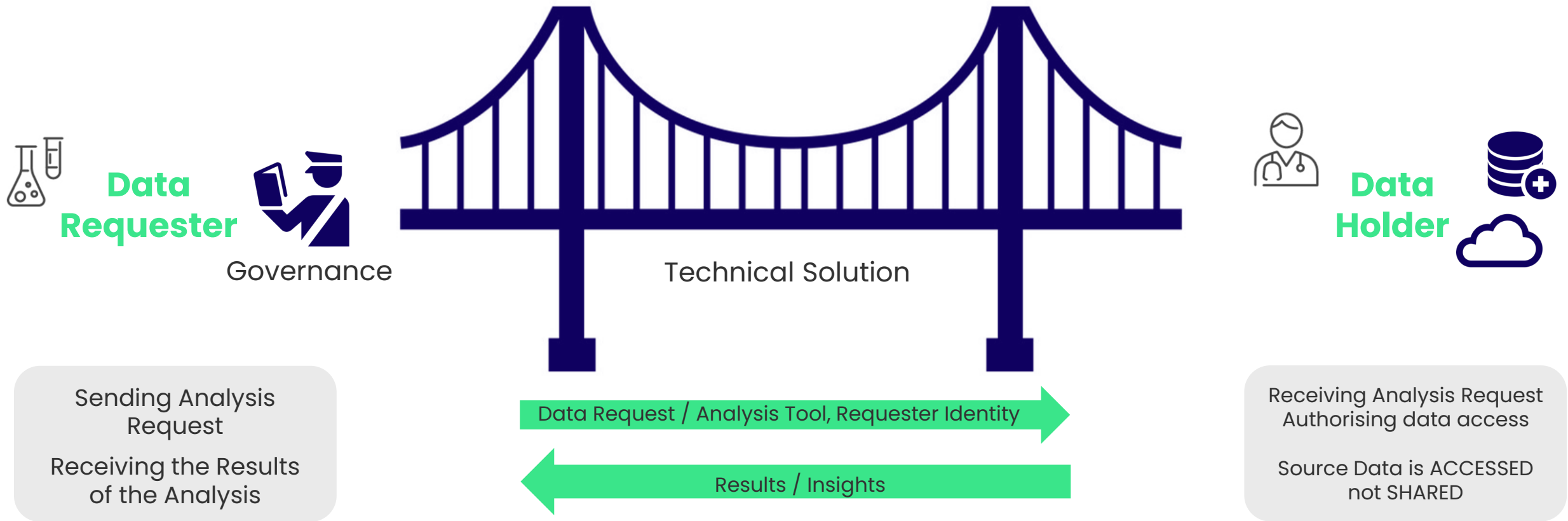


# IDERHA's Goals

1. A **federated data space** for the seamless access to diverse health data.
2. **AI/ML algorithms, validated on EU data sets**, to support more efficient and accurate risk profiling, malignancy risk prediction, diagnosis, and prognosis on **lung cancer**.
3. A **digital application** to **remotely monitor the individual patient** post-discharge **health status**.
4. Consensus on **policy recommendations** for the development of **laws, guidelines and policies** adapted to the current and future states of digitalisation, and consistent with **secondary use of health data** for **research and innovation**, as well as acceptability of **RWD for regulatory** and **HTA decision making**.

# IDERHA's Data Processing Architecture

Based on standards, enabling interoperability & easy re-use of existing solutions incl. FAIR, GA4GH\* & IDSA\*\*



\* GA4GH: Global Alliance for Genomics and Health (GA4GH) sets standards and frames policies to expand genomic data use: [www.ga4gh.org](http://www.ga4gh.org)

\*\* [internationaldataspaces.org](http://internationaldataspaces.org)

# IDERHA's Alignment with EHDS

## Builds health-specific ecosystem

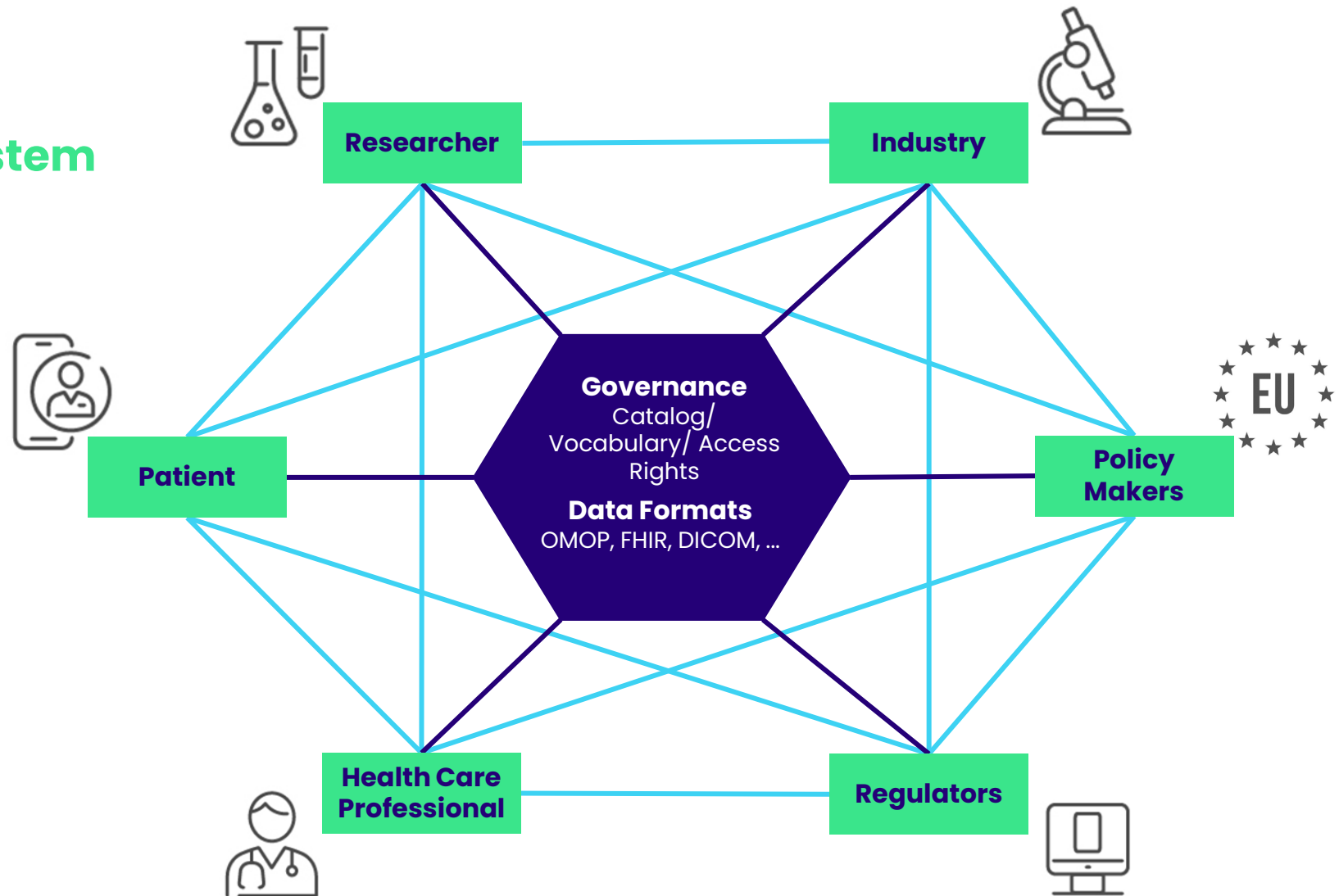
- Rules
- Common standards + practices
- Infrastructures
- Governance framework

## Empowers individuals

- Increased access and control
- Support free movement
- Market for EHRs

## Enables health data reuse

- Consistent
- Trustworthy
- Innovation support
- Policy making
- Regulatory activities



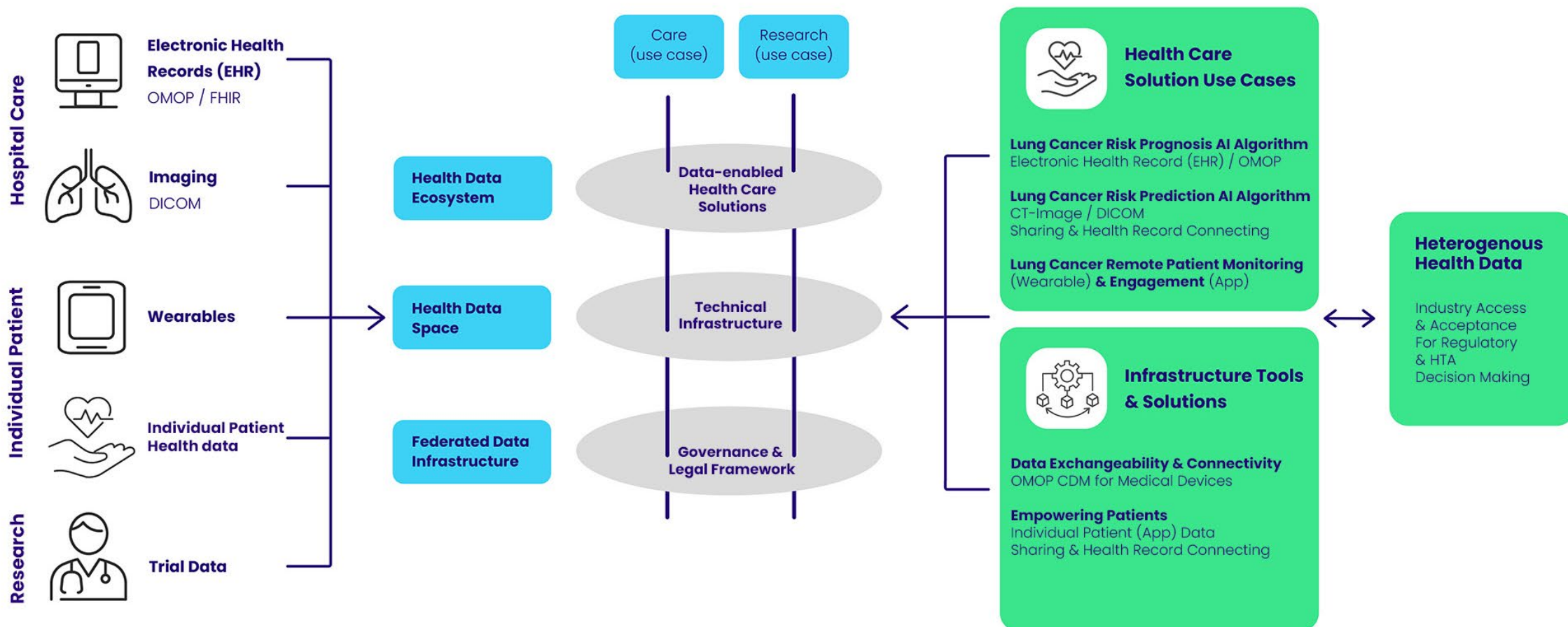
# IDERHA's Objectives

1. Access to diverse data at scale

2. Further develop a scalable, open platform

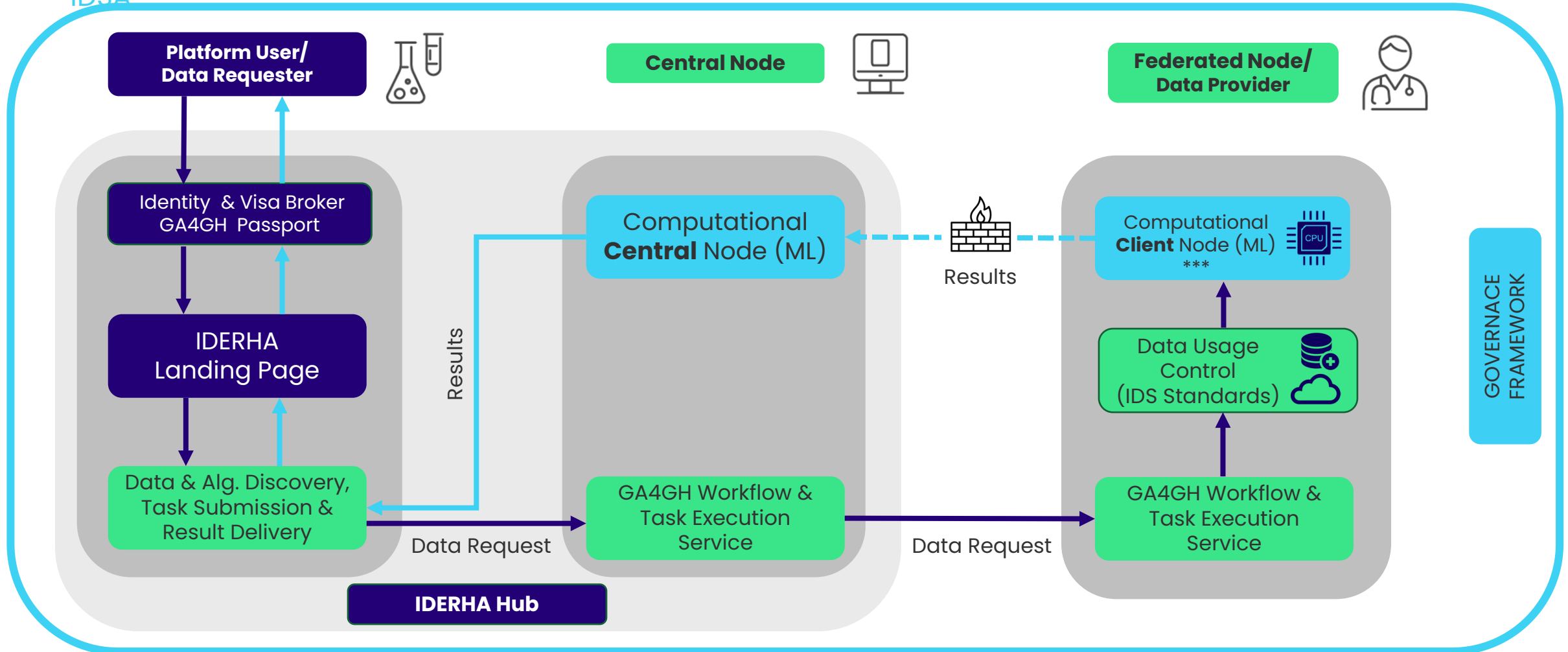
3. Tools focused on needs of Patients, Clinicians & Research

4. Shape Policy



# IDERHA's Architecture Principle

Based on standards, enabling interoperability & easy re-use of existing solutions incl. FAIR, GA4GH\* & IDSA\*\*



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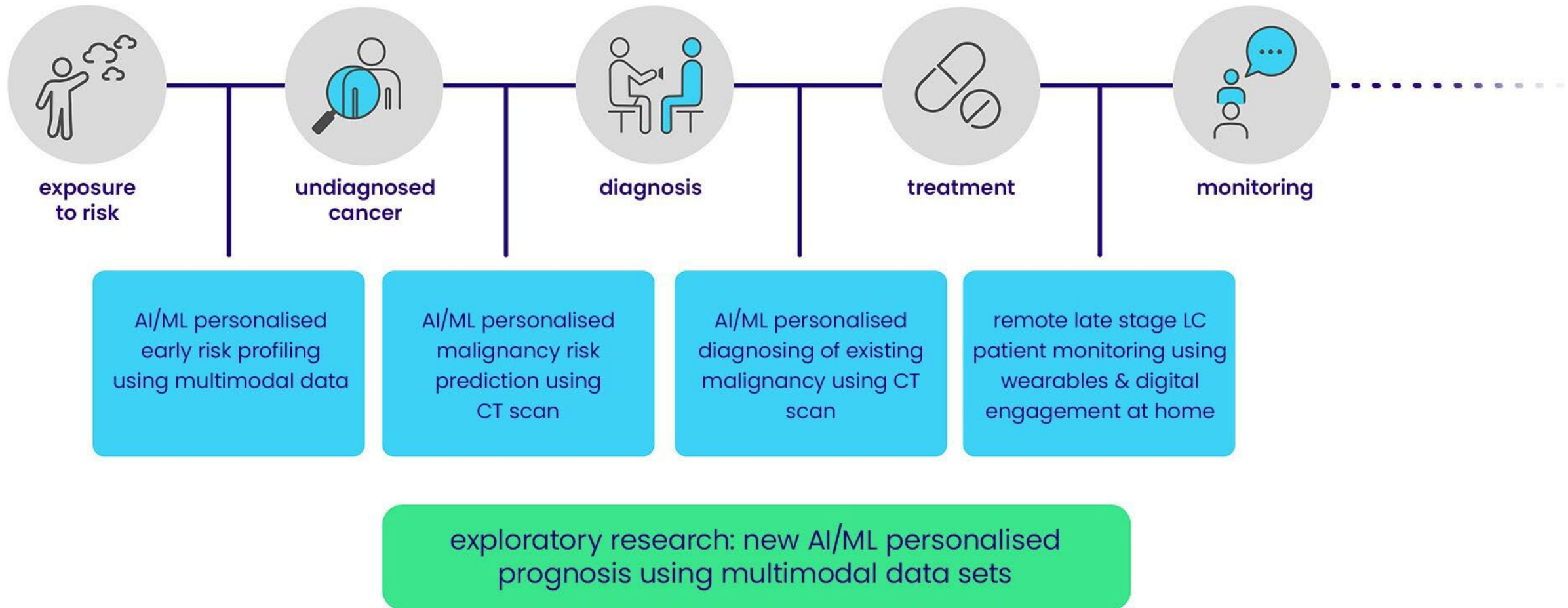
\*\*\* owned or virtual / rented

# IDERHA's Clinical Data Connectivity: Data Access Opportunities

- IDERHA partners via federation
- IDERHA-linked networks via agreements
- External data access providers
- Academic
- Clinical
- Industry
- Leverage existing data standards, legal agreements, ethics procedures, etc
- EHDEN/OMOPed, OPTIMA, ERS/MSB networks, EUCAIM, etc
- Clinical Data Network



# IDERHA's Patient Journey Use Cases



# We like to hear from you!

**Come meet us at the poster area**

How do you view this entire infrastructure and use of secondary data from the perspective of patient, of health care provider, or as data owner?

How may you be able to work with us, now or in the future?

➤ **Flyers, videos and how to onboard at the poster booth**



The poster features a light blue and green background with a network diagram of dots and lines. It includes the IDeRHA logo, a QR code, and four images of lung scans in different colors (white, blue, green, purple). The text is organized into sections with white circular callouts.

**Who we are**  
IDeRHA unites 33 public-private partners across Europe to improve access, integration and analysis of health data for patient care and medical research.

**What we are working on**  
We build a federated health data space using AI/ML, initially for lung cancer, while developing real-world evidence recommendations for regulatory and HTA decisions.

**What's the one thing we need next**  
We need regulators, HTA bodies, policymakers and new platform partners to turn recommendations into practice and expand IDeRHA beyond current participants.

**5 years Mission Cancer: Stronger Through Connection**  
BRUSSELS  
29 SEPTEMBER – 01 OCTOBER

**For more info visit:**



[about IDERHA](#)



[Onboarding for  
data holders](#)

# Thank you!



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