



EHDEN

EUROPEAN HEALTH DATA & EVIDENCE NETWORK

XII Conferencia Anual de las Plataformas Tecnológicas de
Investigación Biomédica: Medicamentos Innovadores,
Nanomedicina Tecnología Sanitaria y Mercados Biotecnológicos

Carlos Díaz

SYNAPSE 
RESEARCH MANAGEMENT PARTNERS

XII CONFERENCIA ANUAL
DE LAS PLATAFORMAS TECNOLÓGICAS
DE INVESTIGACIÓN BIOMÉDICA





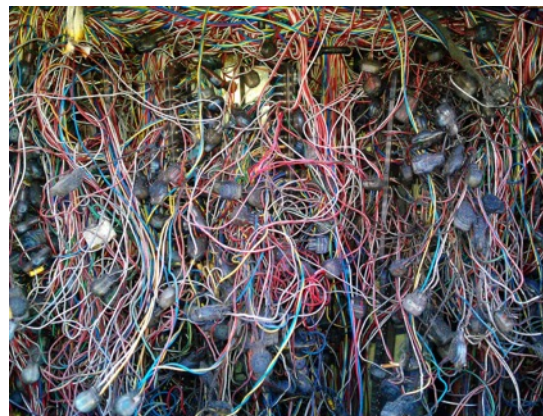
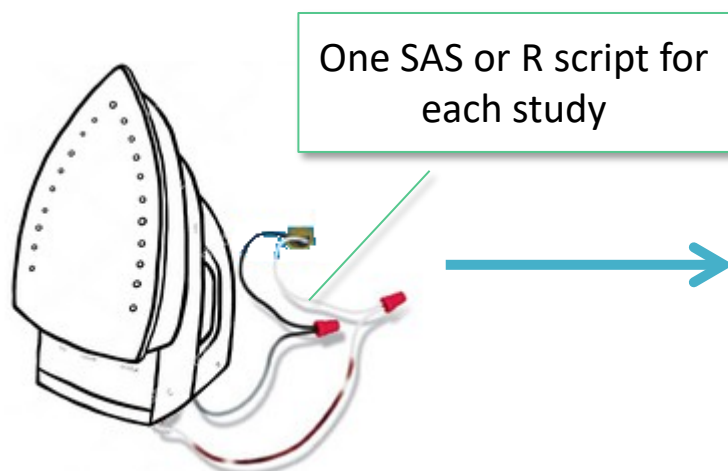
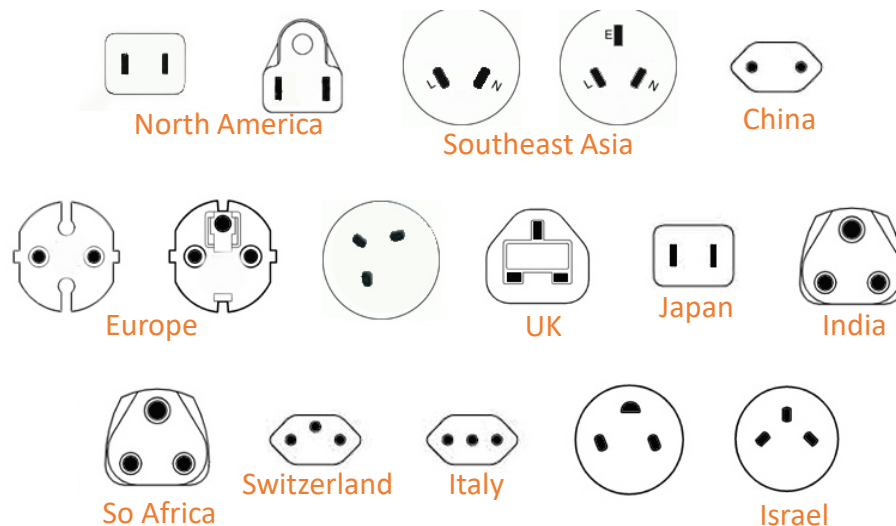
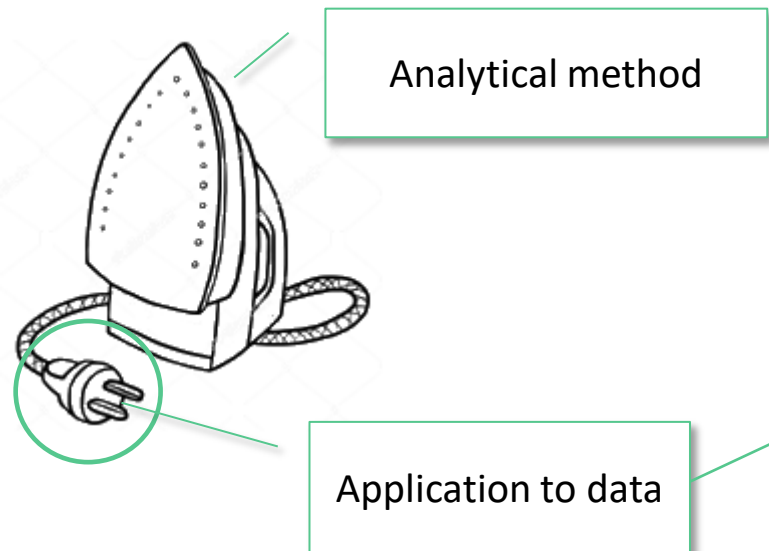
EHDEN: VISION, MISSION

Vision: The European Health Data & Evidence Network (EHDEN) aspires to be the trusted observational research ecosystem to enable better health decisions, outcomes and care

Mission: Our mission is to provide a new paradigm for the discovery and analysis of health data in Europe, by building a large-scale, sustainable federated network of data sources standardised to a common data model



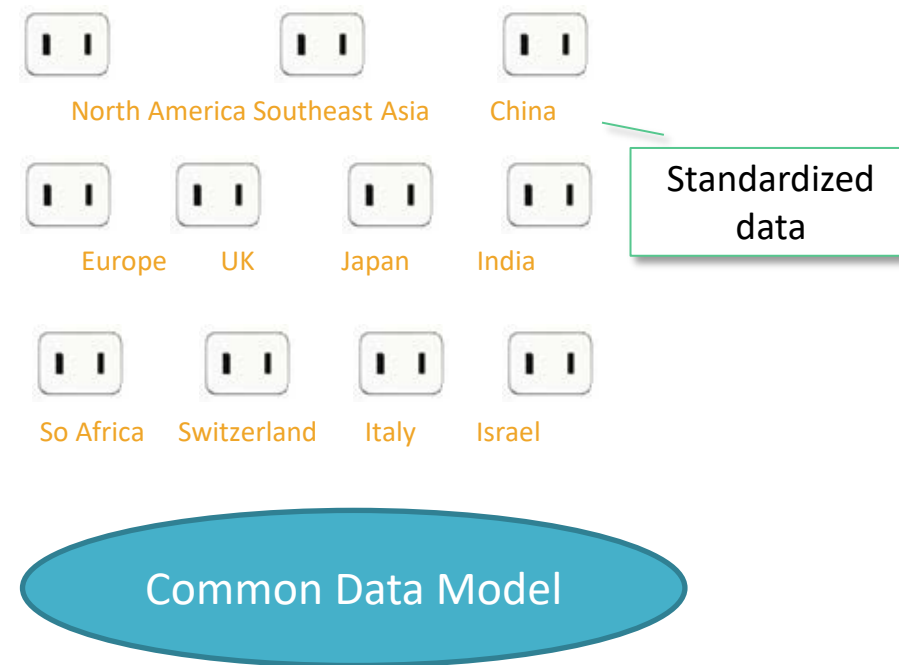
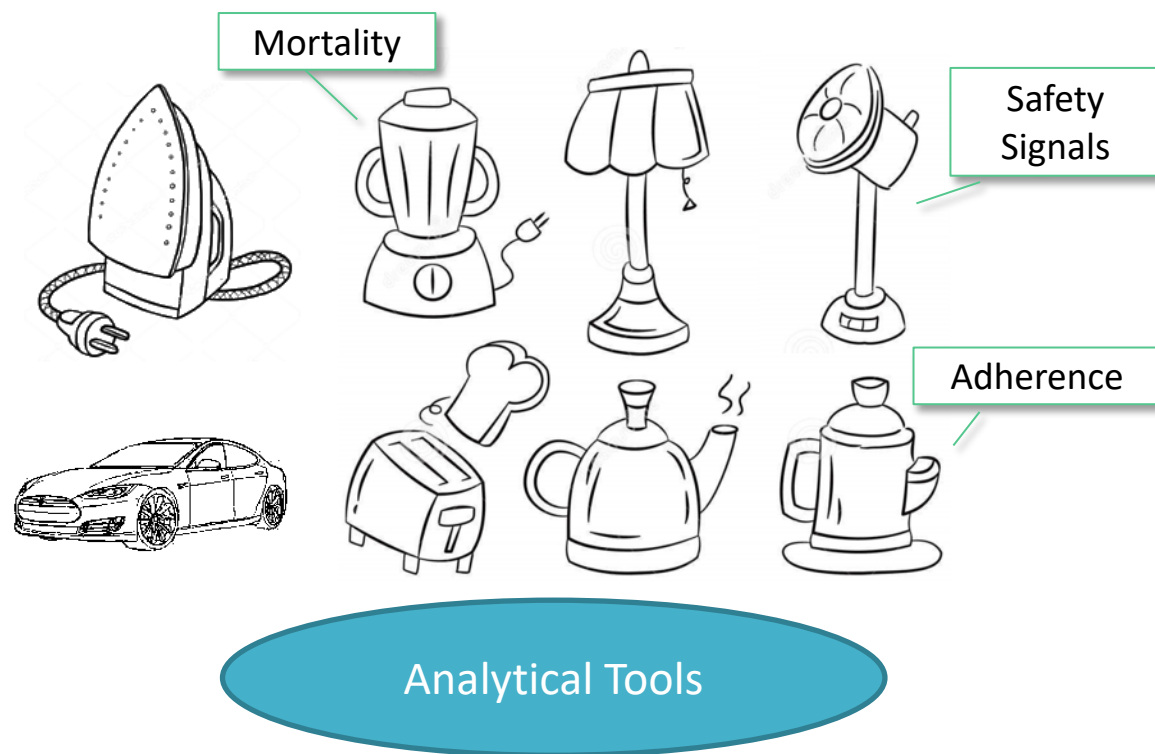
WHY IS THIS NOT CURRENT PRACTICE?



- Not scalable
- Not transparent
- Expensive
- Slow
- Prohibitive to non-expert routine use



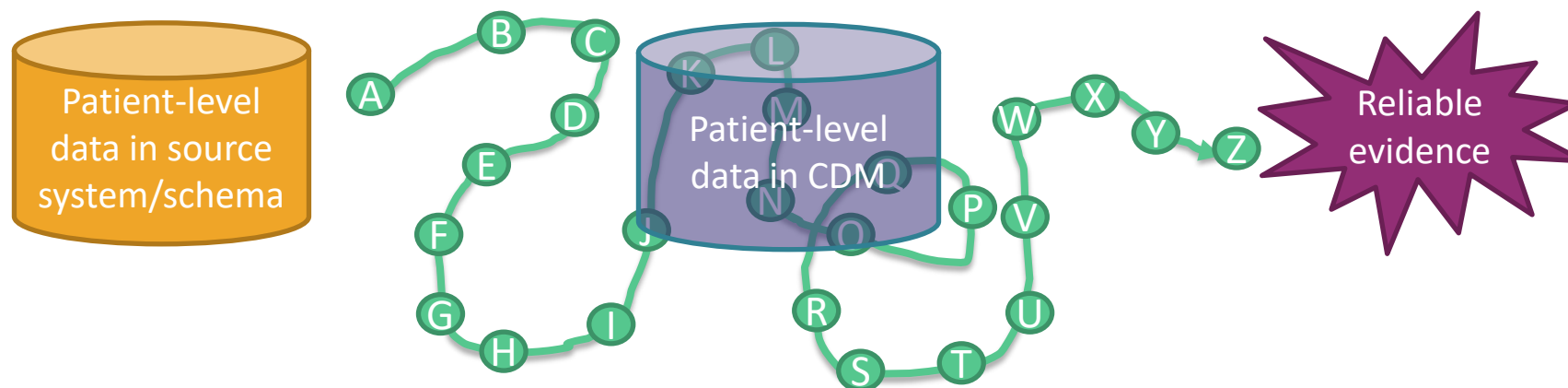
FROM “ONE STUDY-ONE SCRIPT” TO STANDARDIZATION



- Standardized analytical pipelines are needed
- Services are needed to build a active data network to answer clinically important questions in a timely manner
- A strong community is needed covering all of Europe that collaboratively will improve patient care



THE JOURNEY TO REAL-WORLD EVIDENCE: A FULLY REPRODUCIBLE DATA FLOW



- Complete documented specification that fully describes all data manipulations and statistical procedures
- Full analysis code that executes end-to-end (from source to results) without (or minimal) manual intervention
- Use of common data model splits the journey into two segments: 1) data standardization, 2) analysis execution



Our goal is to implement a large sustainable eco-system in Europe to generate reliable evidence for patient care that is transparent and fully reproducible



BUILDING THE ECO-SYSTEM: PUTTING THE PIECES TOGETHER





BUILDING THE ECO-SYSTEM: HARMONISATION

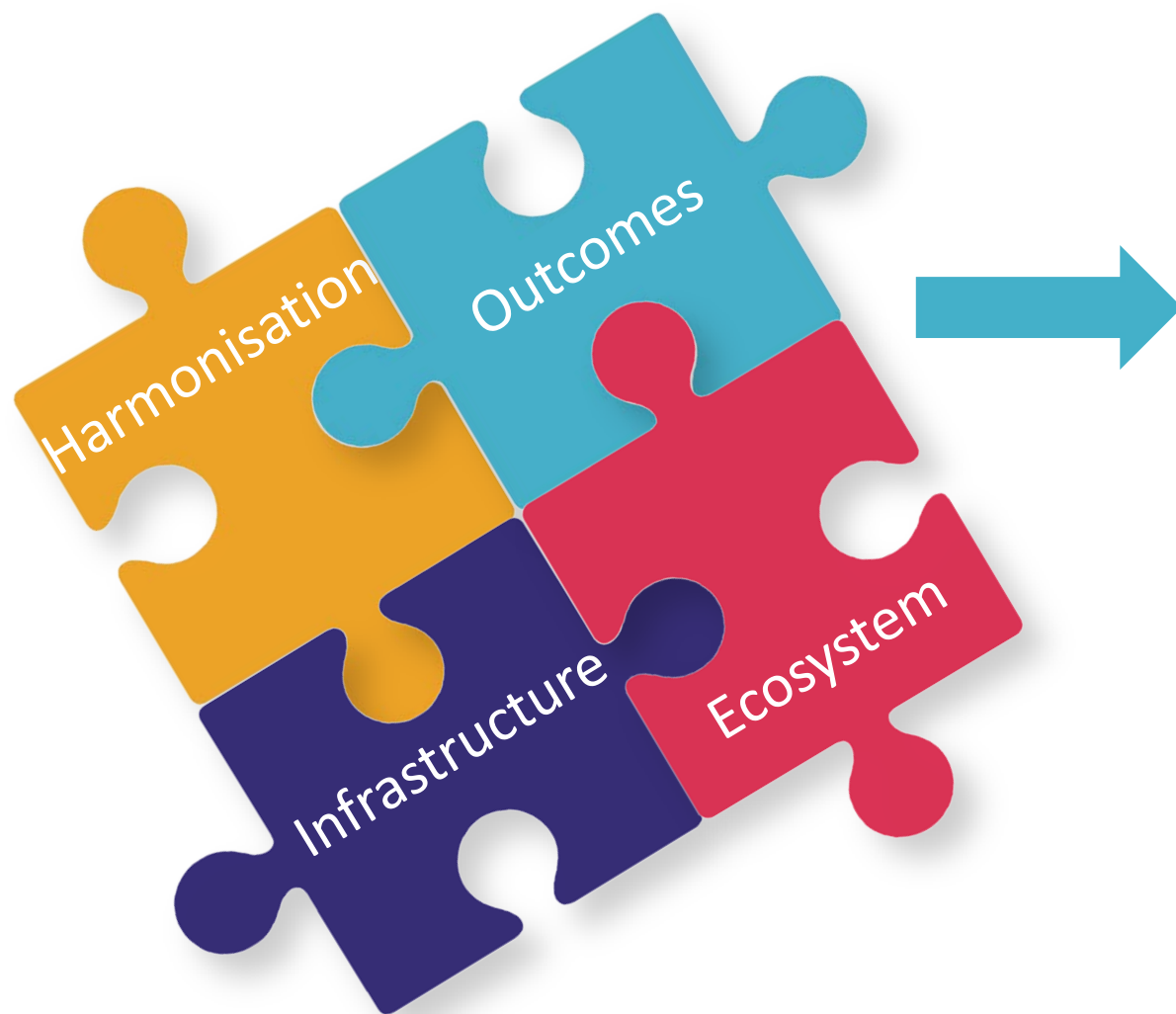
The aim is to map 100 million health records across the EU via a common data model (OMOP), supporting research within a federated network, the BD4BO IMI2 programme, and outcomes-based healthcare



- Standards development within OHDSI
- Certified & qualified Small to Medium Enterprises (SMEs) in the EU
- Harmonisation fund to support mapping to CDM



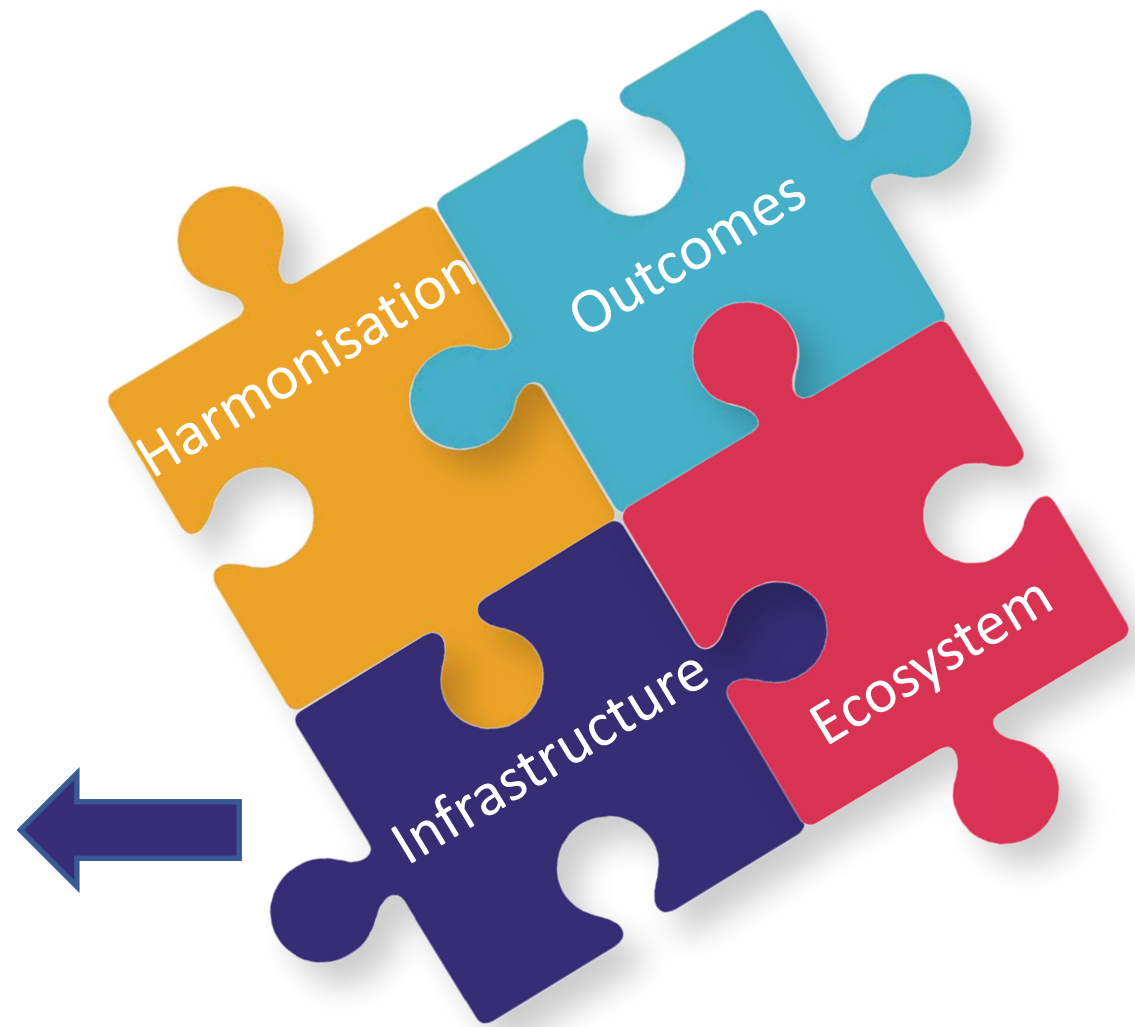
BUILDING THE ECO-SYSTEM: OUTCOMES



- Incorporation of outcome standards (ICHOM)
- Supporting outcomes-based research and medicine
- Demonstrate the additive value of EHDEN through use cases



- Build the infrastructure to enable federated studies on an unprecedented scale in Europe
- Leverage and further develop OHDSI and other tools for high quality analyses
- Use Case driven development
- Ensure interoperability on a global level





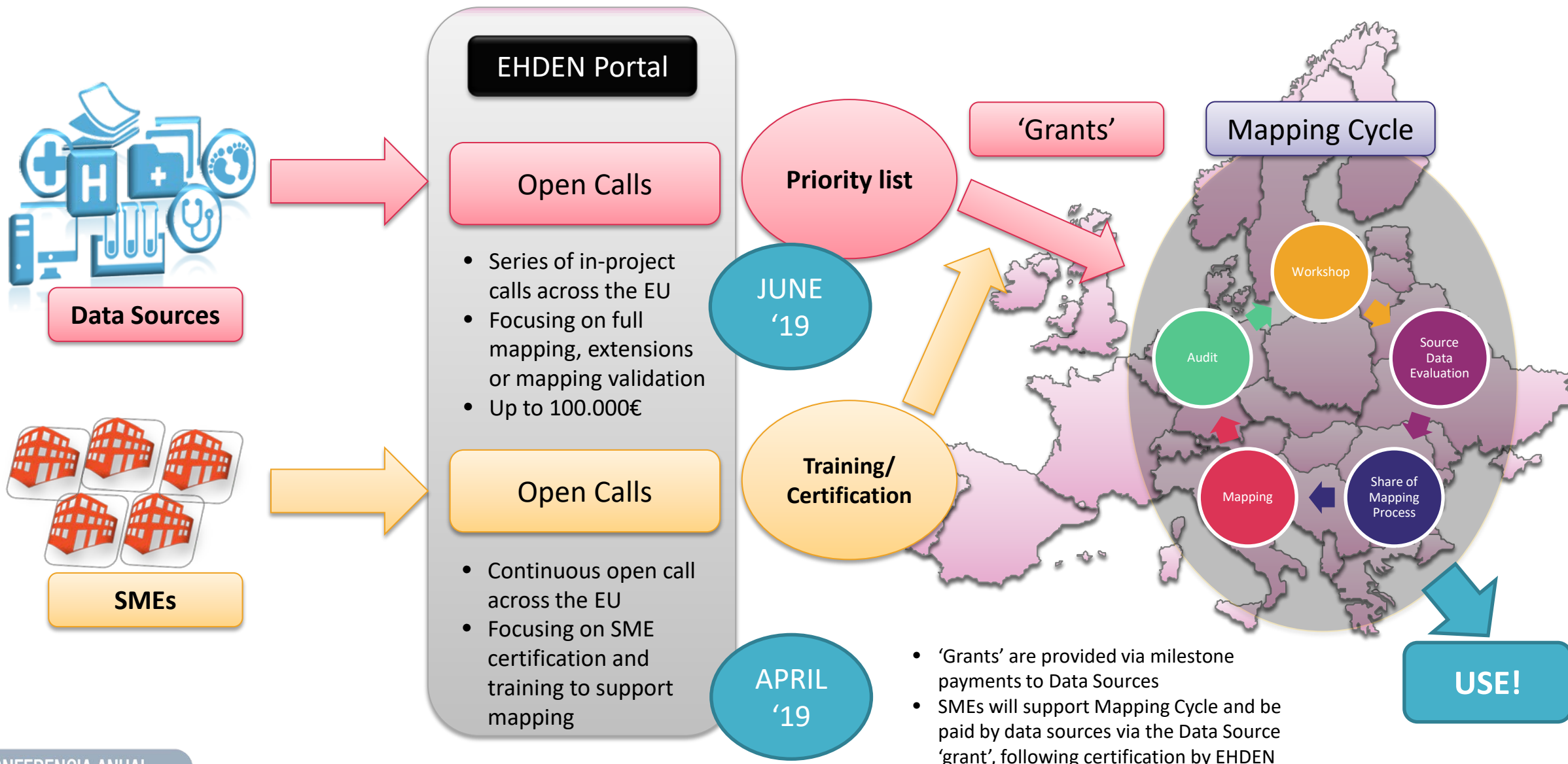
BUILDING THE ECO-SYSTEM: ECOSYSTEM



- Creation of a community of data sources mapped to OMOP
- European-wide network of certified SMEs
- Enable new and augmented health services during and after EHDEN
- Stimulate active collaboration within the community
- Sustainability is a responsibility of all stakeholders

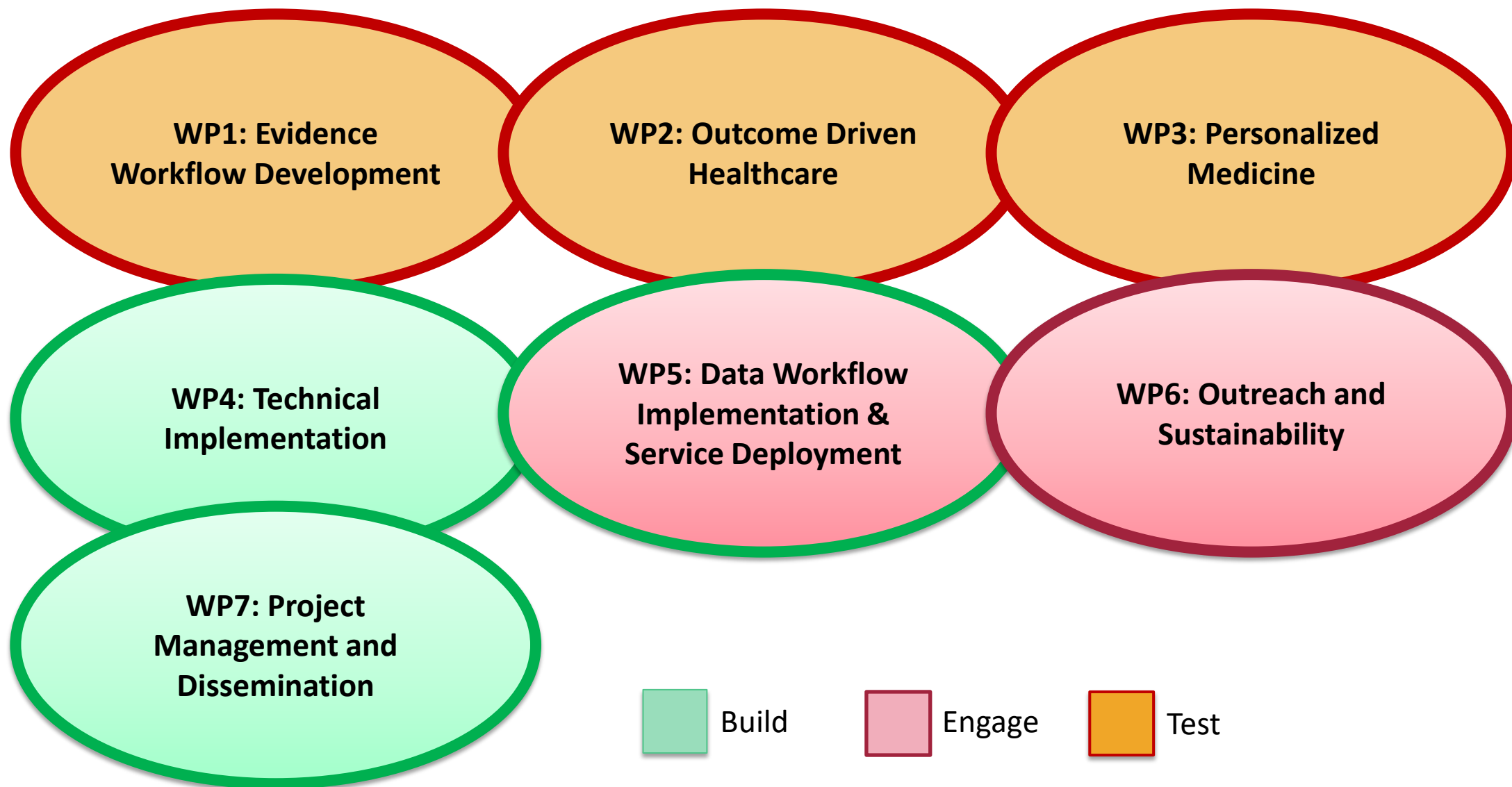


THE EHDEN OPEN CALL PROCESS





EHDEN WORK PACKAGE STRUCTURE





EHDEN PARTNERS



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THANK YOU

Facts & figures

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EFPIA contribution: 14.811.607€

Harmonization Fund: 17.000.000€



www.ehden.eu



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[IMI_EHDEN](https://www.linkedin.com/company/IMI_EHDEN)



github.com/EHDEN



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