

Big Data and B2B Platforms: the next big opportunity for Europe



WAVESTONE

TNO



KOMIS

GRIMALDI STUDIO
LEGALE



OPPORTUNITIES FOR T2D DATA DRIVEN HEALTH

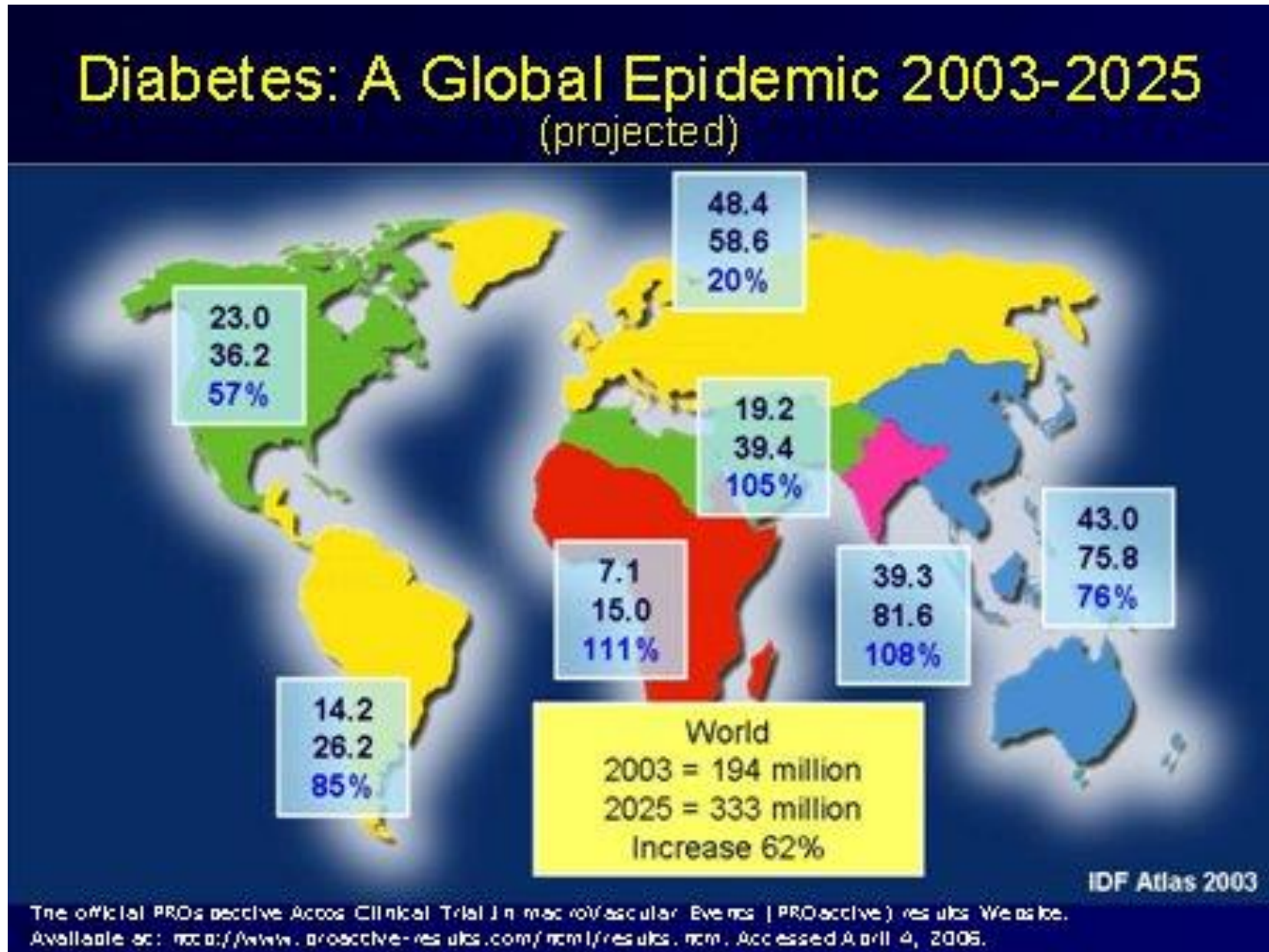
1ST WORKSHOP

› INFRASTRUCTURE OF HEALTH DATABASES IN T2D

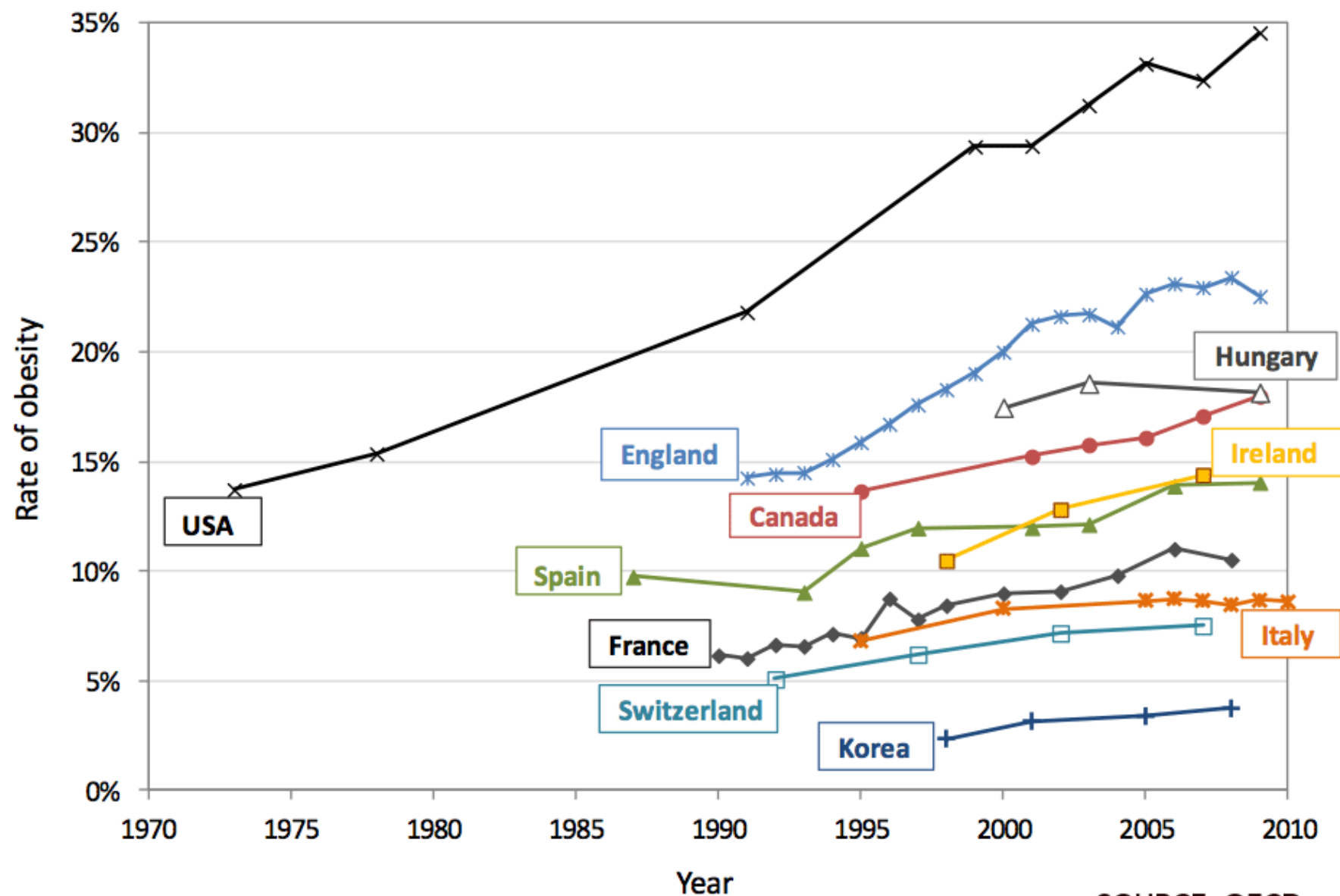
BIG DATA AND B2B PLATFORMS:
THE NEXT BIG OPPORTUNITY FOR EUROPE

EASME/COSME/2018/004

Diabetes type 2: an Epidemic problem

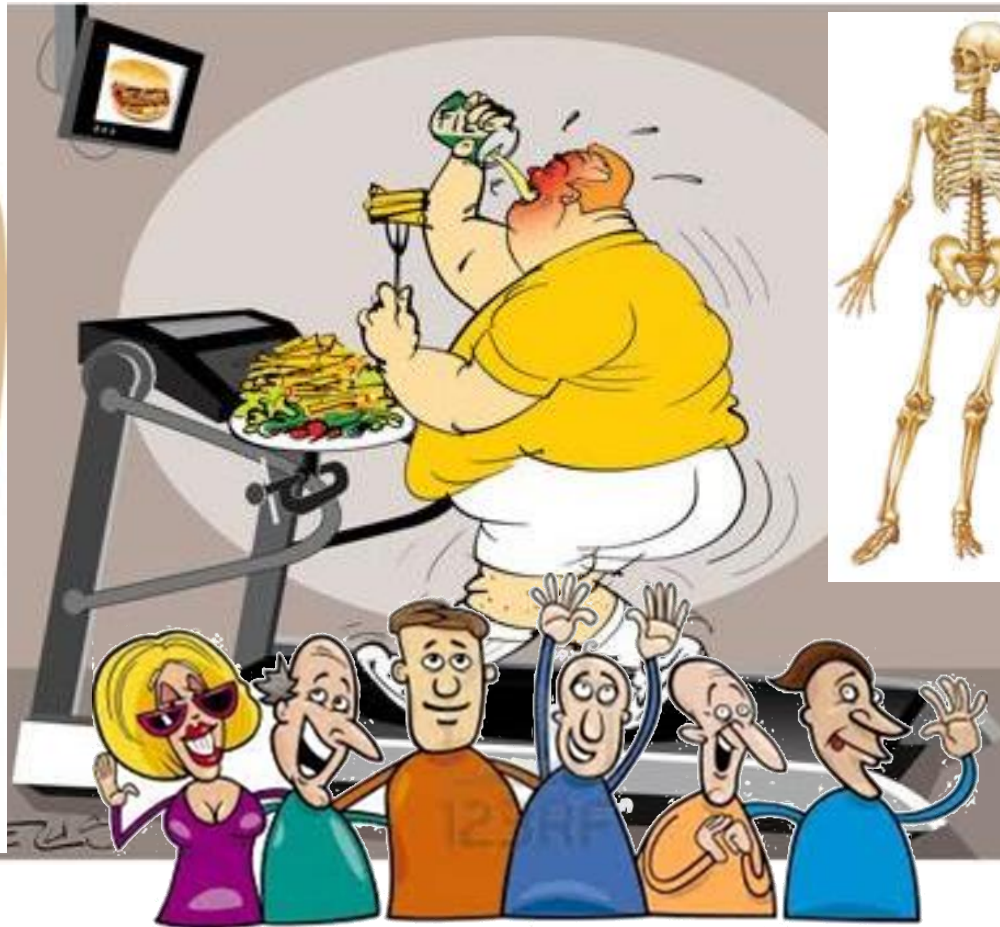


Obesity in Europe



SOURCE: OECD

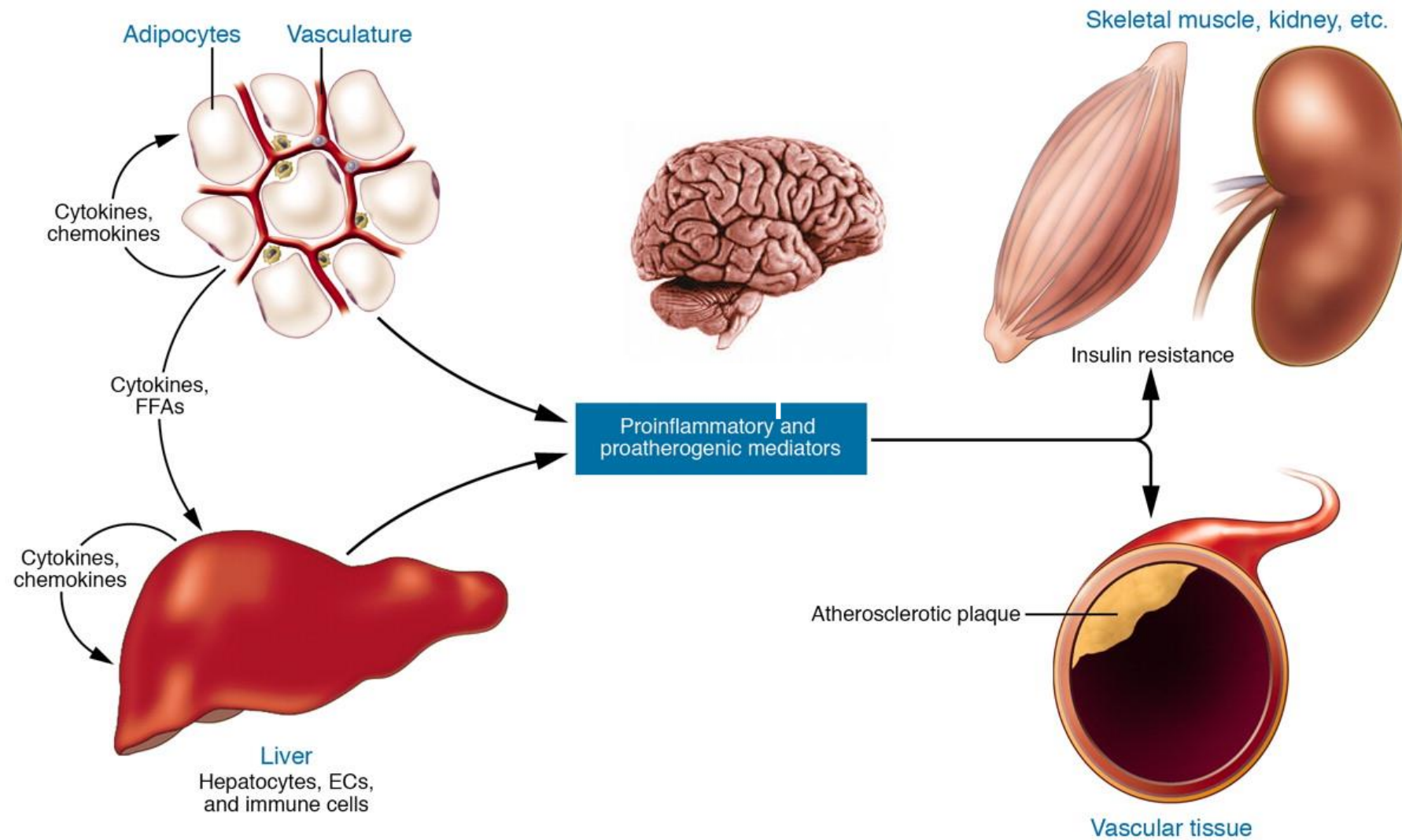
What is health?



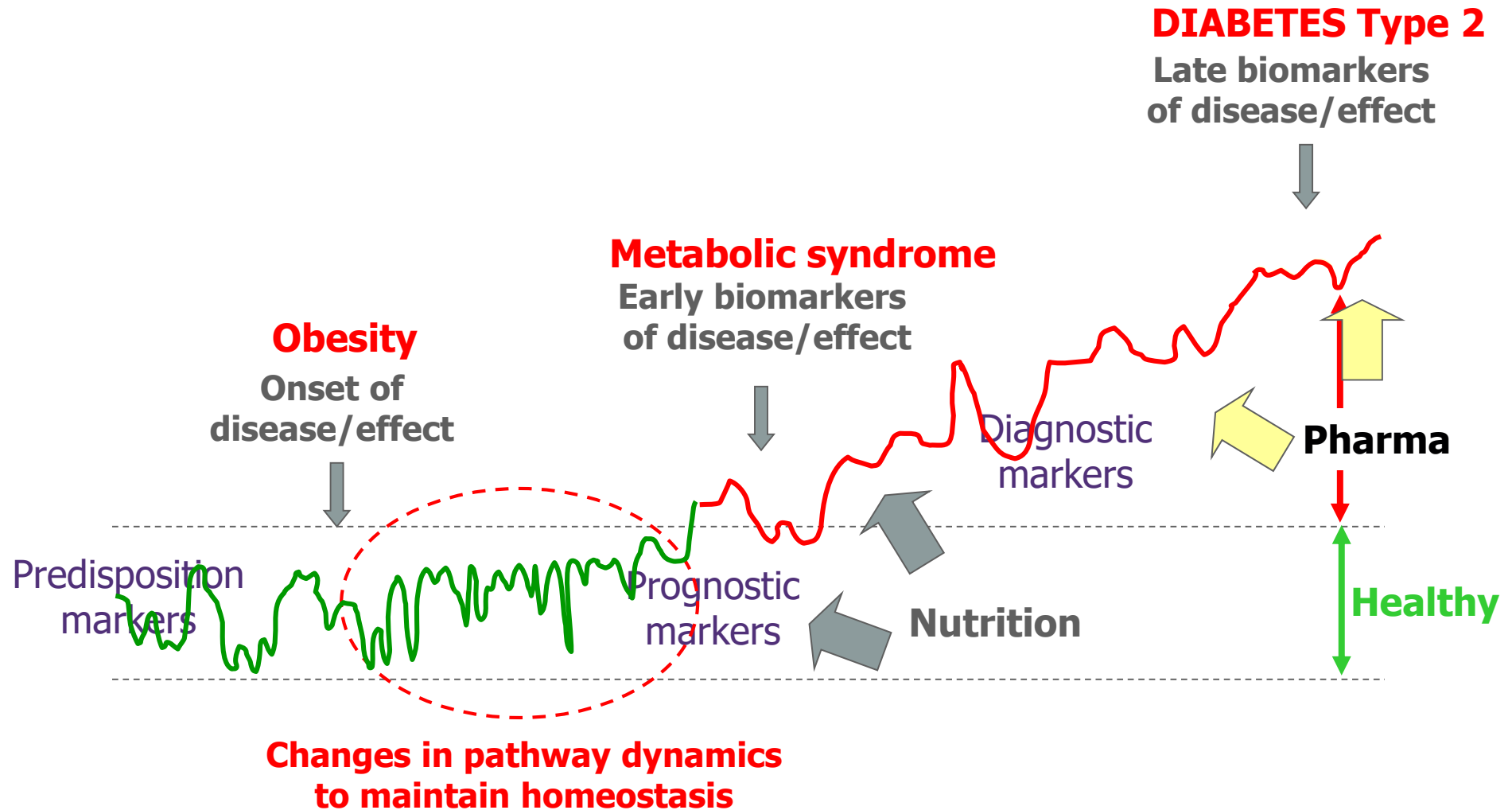
WHO definition of Health

Health is a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity.

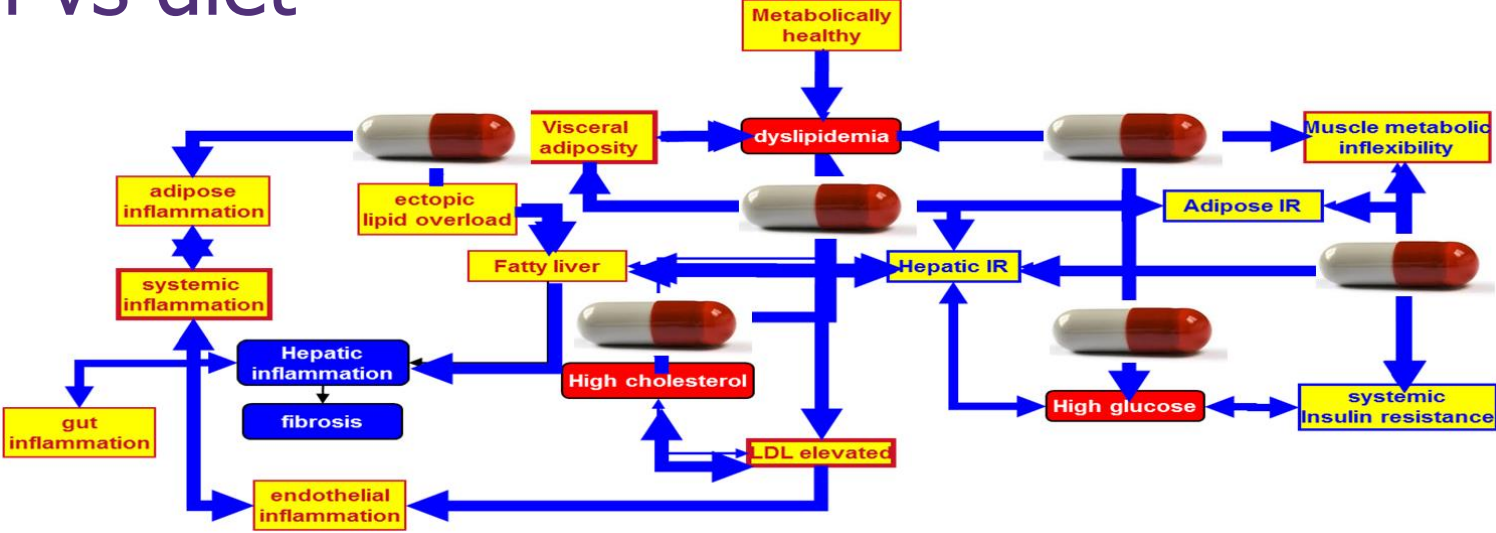
Complications



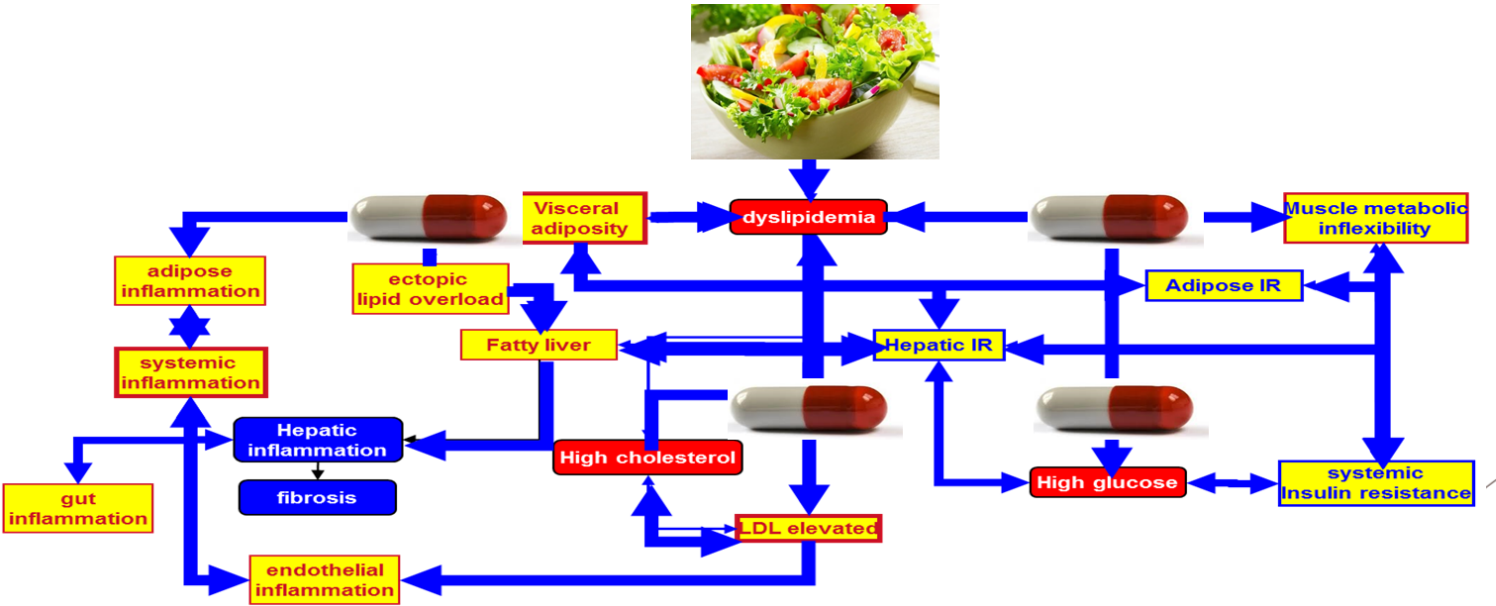
Health in the concept of homeostasis



Interventions: medication vs diet

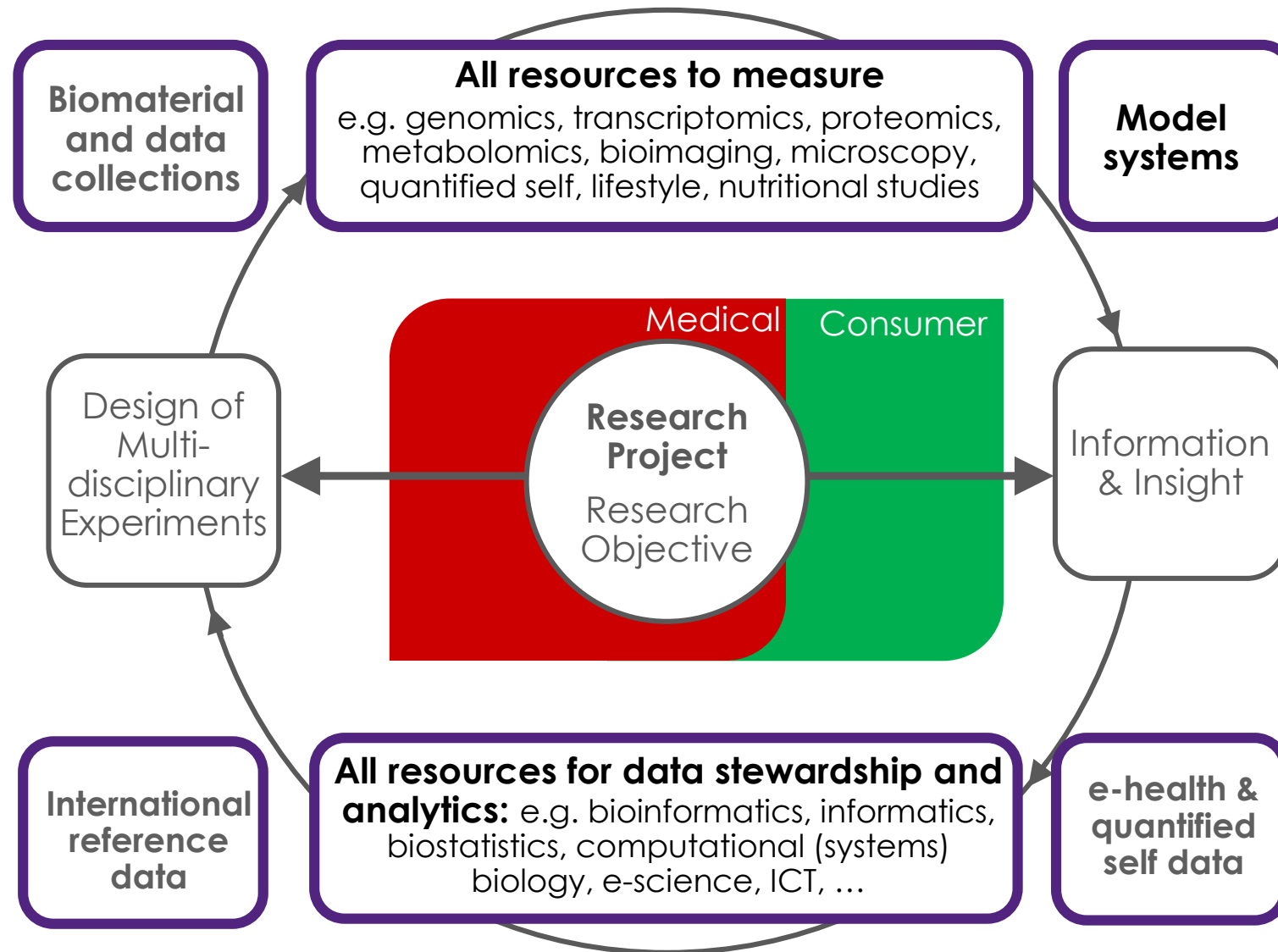


Now: suppress glucose:



Sometimes: retreat if lifestyle works

Experimental cycle for integrated health research



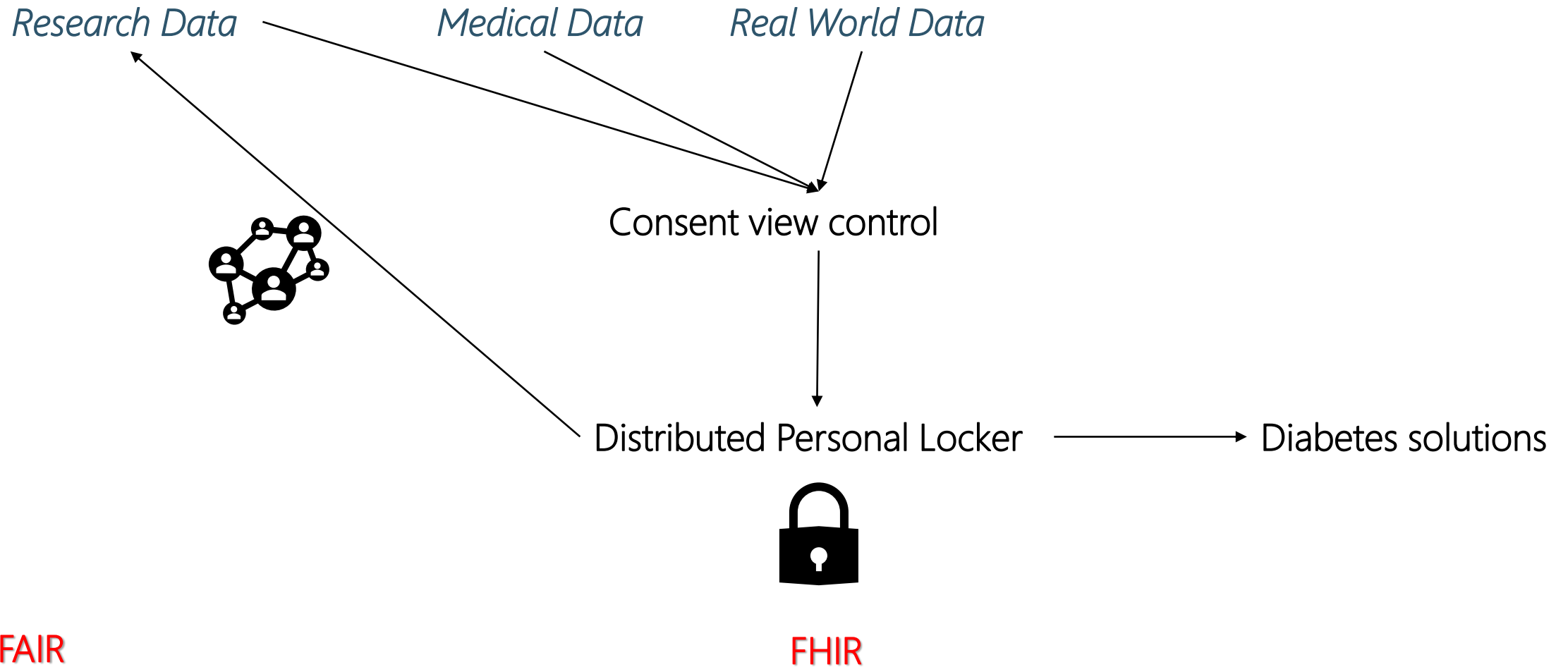
Data silo's



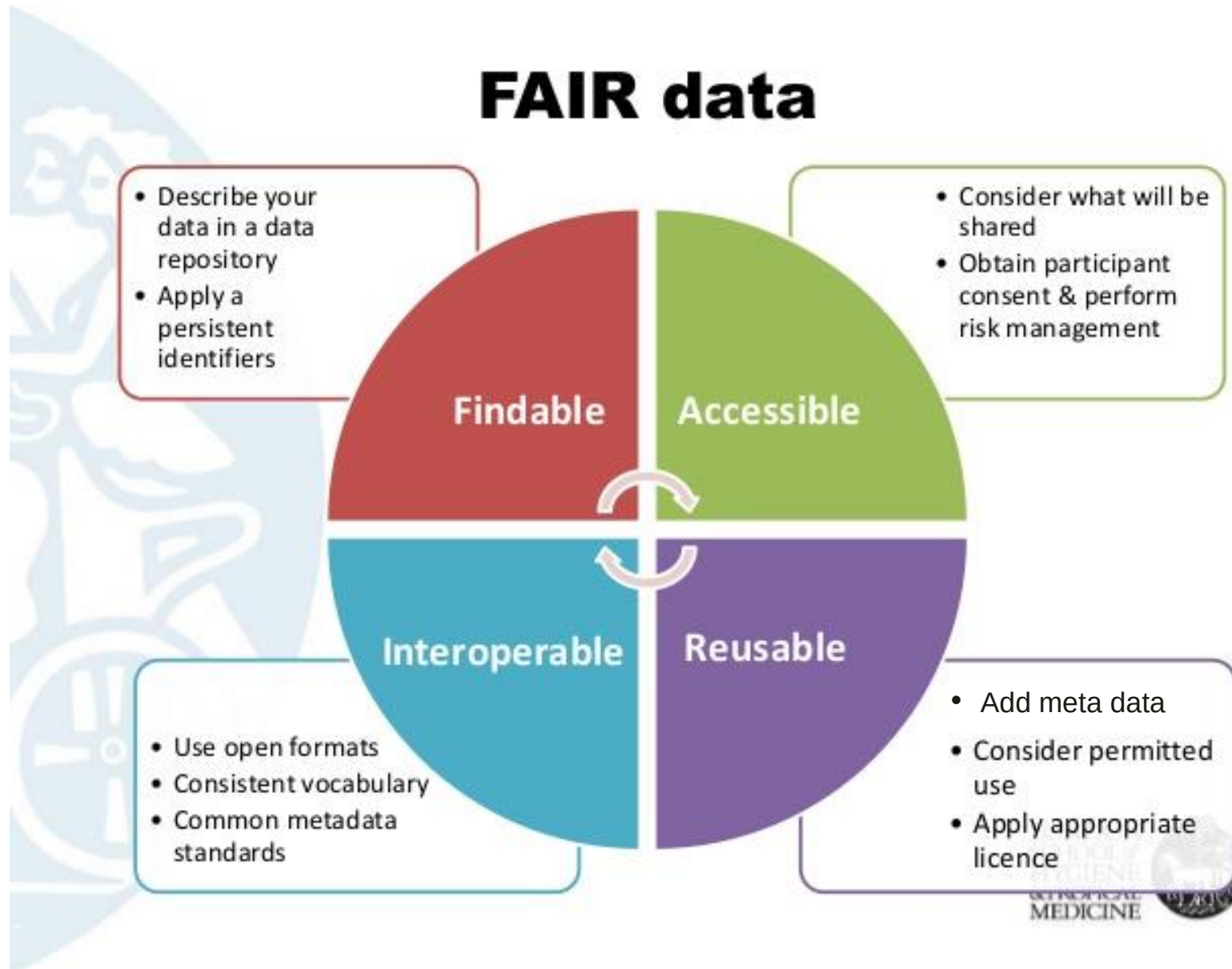
Diabetes FAIRPOrt: Global idea of the infrastructure

Research

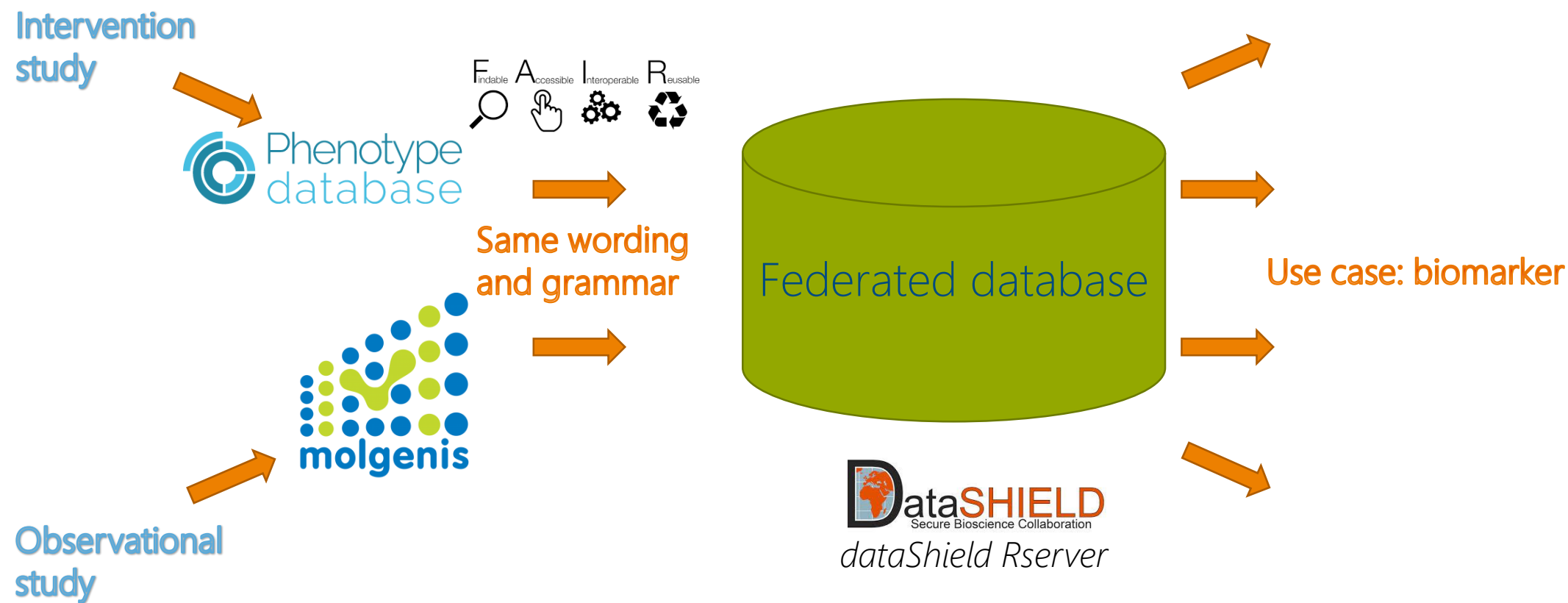
Business



Connect data silio's



FAIRPOINT: Research data infrastructure



Introduction

The Phenotype Database is an application that can store any biological study. It contains templates which makes it possible to customize.

In order to allow flexibility to capture all information you require within a study, and to make it possible to compare studies or study data, the system uses customizable templates and ontologies. It is especially designed to store complex study designs including. [Read more...](#)

[Share your study](#) 

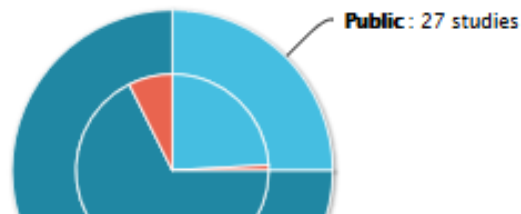
User Guide Downloads

 [Quick Start User Guide](#) [In Depth User Guide](#) [License Terms](#)

If you encounter a problem or have a suggestion for improvement feel free to submit an issue [here](#)

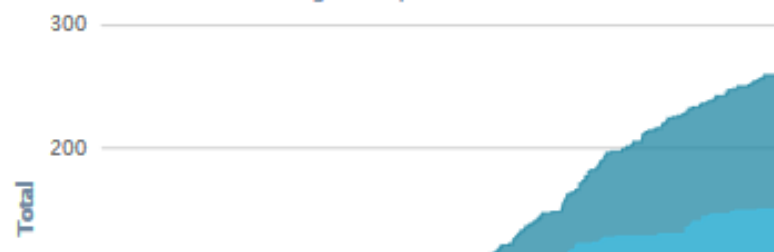
Usage Statistics

108 Studies

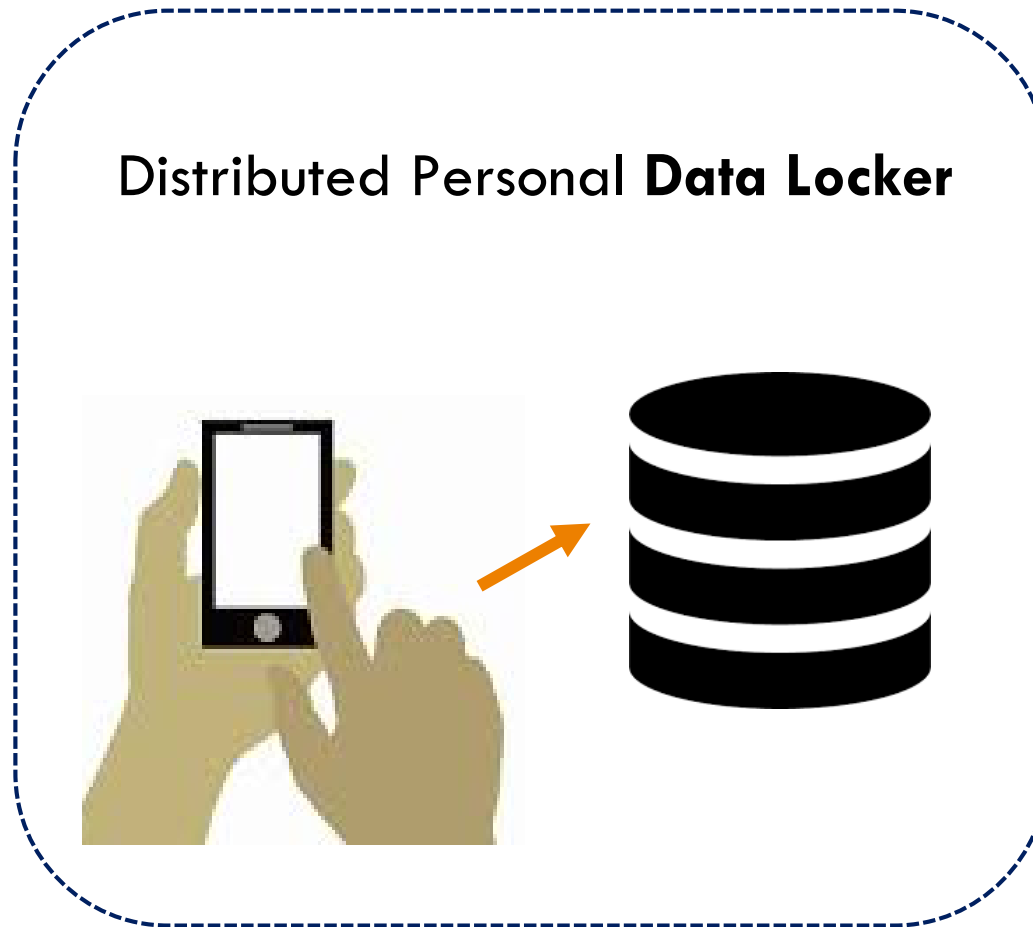
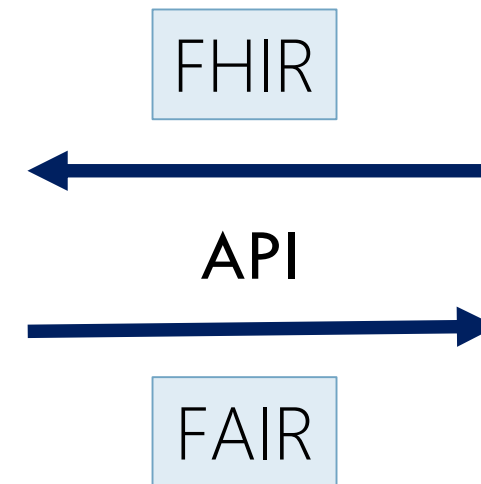


Users, studies and templates

Click and drag in the plot area to zoom in



Personal FAIRpoint: FAIR real world data



Diabetes FAIRport: Global idea of the infrastructure

Research

Business

*Research
FAIRpoint*

Medical Data

Real World Data



Consent view control

Personal FAIRpoint

Diabetes solutions



FAIR

FHIR

Personal Health Train

Distributed Health data learning

WHAT

- <https://vimeo.com/143245835>
- Privacy and security respecting big health data exchange

HOW

Connect all health data via FAIR principles without (changing) ownership.

RESULT / IMPACT

- Make necessary data exchange possible to enable personalized health research
- Make disruptive change possible in speed and quality of health research



A nighttime photograph of a city street featuring a modern, curved pedestrian bridge with a glass railing. The bridge is illuminated with warm lights, and its reflection is visible in the water below. In the background, there are several multi-story buildings with lit windows. A prominent green light trail, likely from a tram or train, curves across the upper right portion of the image. The overall scene is a blend of urban architecture and dynamic light movement.

› **THANK YOU**

Voor meer inspiratie:
TNO.NL/TNO-INSIGHTS

TNO innovation
for life