



Implementing EHDS

InteropEHRate, PATHeD and Beyond

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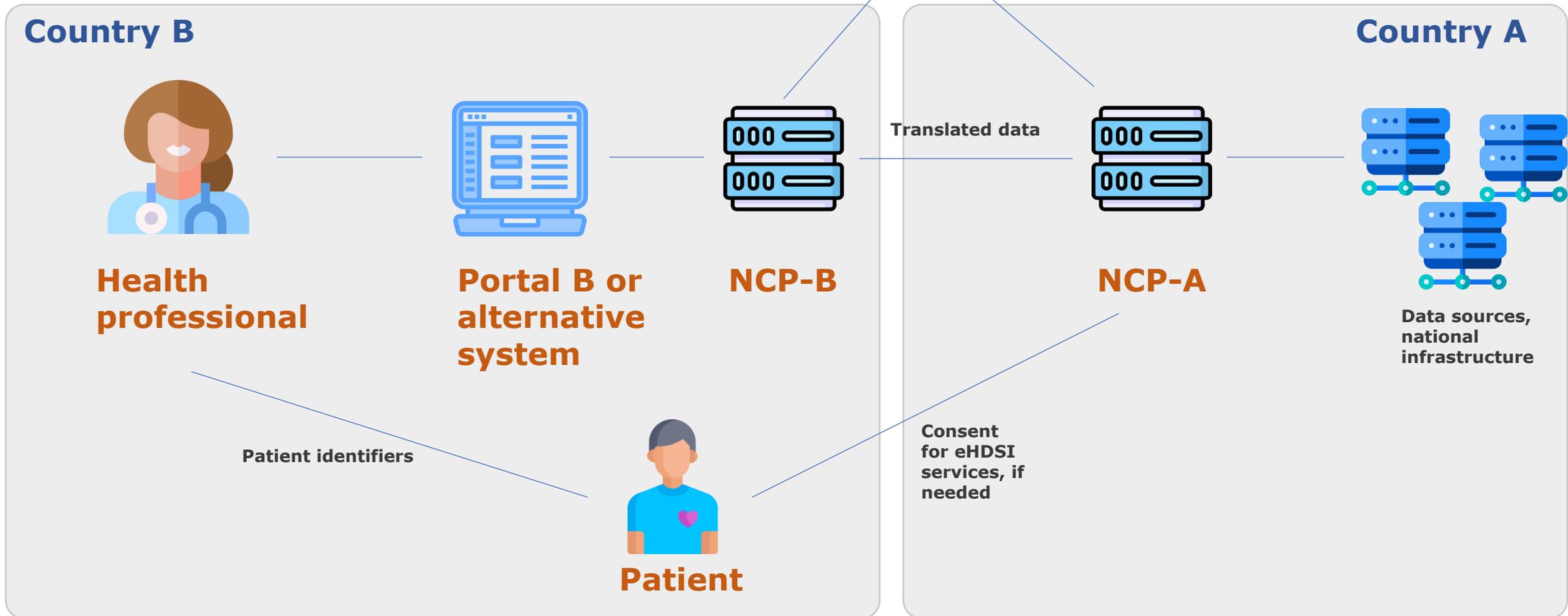


Final Conference, 28 September 2022, University of Liège

Current scenario

Health Professionals access to data

Central Terminology Services





New feature: Patient access to translated health data

Country B



Health professional

Viewing the data

Toolbox of App Components



App or portal A

Main enablers:

- Need to develop a patient portal or app
- Integration between NCP-A and the national/regional patient portal (or app)
- Access to MTC (in LTR) of countries B via Transformation Manager and TSAM-Sync connected to CTS

Translated data (vax data, other PS parts, lab results, discharge letters..)

Potential reference implementation



Patient

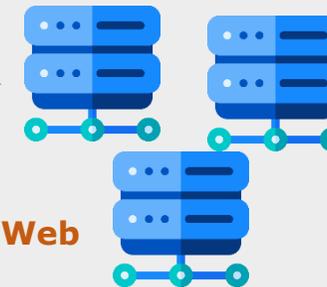
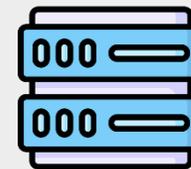
Pivot
Friendly-A
Friendly-B

National Connector/Portal/Web Server as a "pre-NCPeH" (e.g. EU Digital COVID Cert backend)

Consent for eHDSI services, if needed

Consent for the use of the app

Country A



Data sources, national infrastructure



PATHeD

TEHDAS
EHDS2 Pilots

Central
Algorithm
Services

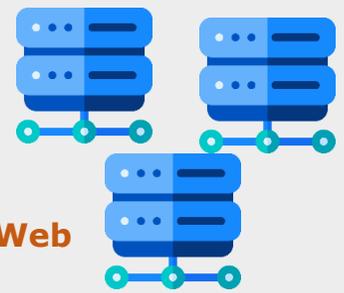
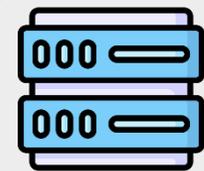
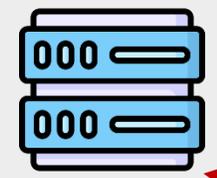


Near future use: Pervasive health

Anywhere

Country A

Computing



Pivot

Friendly-A

National
Connector/Portal/Web
Server as a "pre-
NCPeH"
(e.g. EU Digital COVID
Cert backend)

Data sources,
national
infrastructure

Personalised
information

Knowledge

Reference
implementation

Consent
for EHDS
services

Consent
for the use
of the app

WGS
Omics
Behaviour
Digital
footprint
Environment
Community

Toolbox of App
Components



App or
portal A

Patient



Value-based Principles and Implementation Guidance

inclusive growth, sustainable development and **well-being**;
human-centred values and fairness;
transparency and **explainability**;
robustness, security and **safety**;
and **accountability**.

investing in AI research and development; AI-related **social**, **legal** and **ethical implications**
fostering a digital ecosystem for **trustworthy AI**;
shaping an enabling policy environment for **trustworthy AI**; **experimentation**, **review**
building human capacity and preparing for **labour market transformation**;
and international co-operation for **trustworthy AI**.

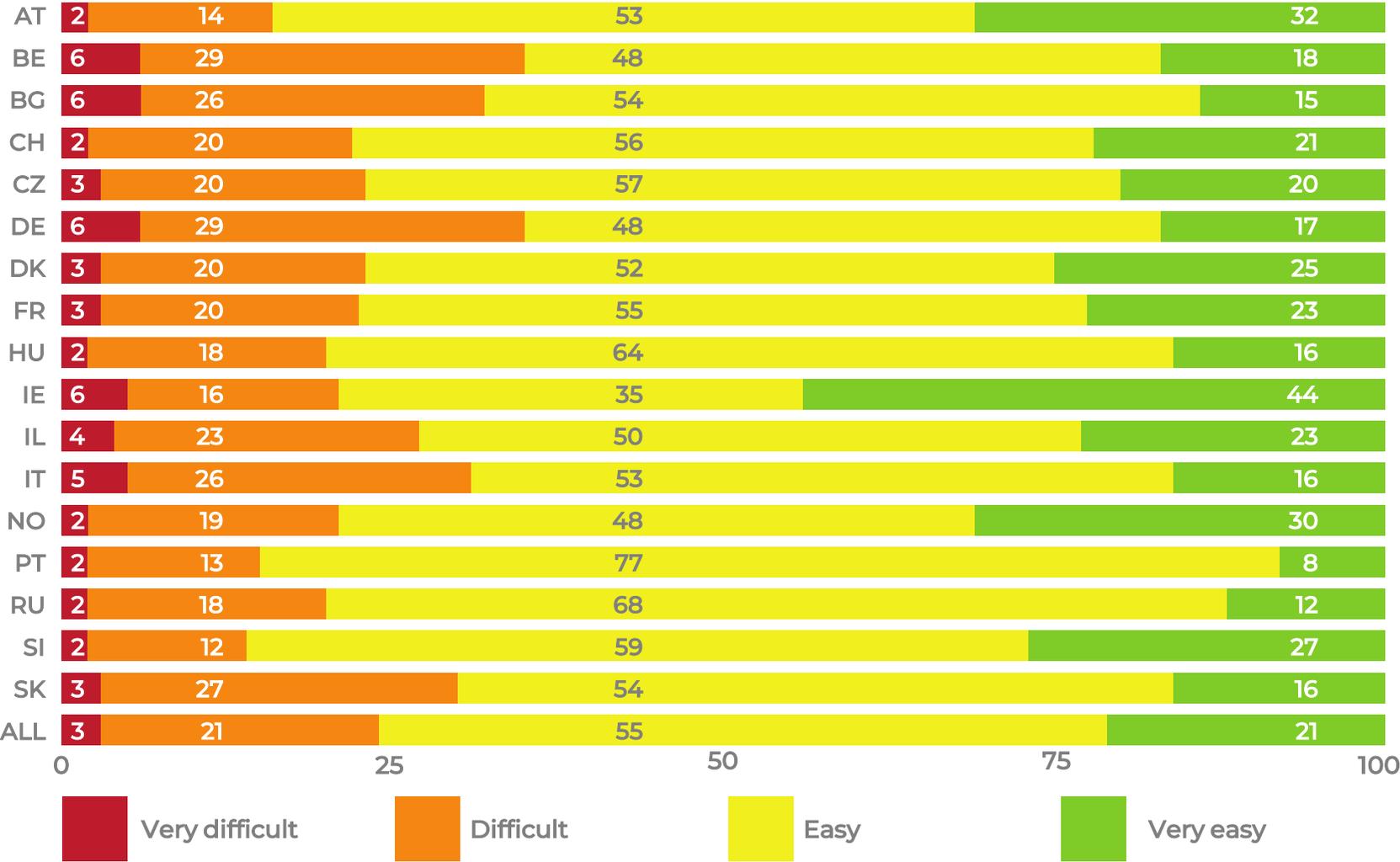
Welcome to the Data Age

**Data is the only
renewable resource.**

That can transcend the boundaries of our ecosystem.



Health Information – Actionable?



Source: Health Literacy Survey 2019



Overview about the results of EU-wide multi stakeholder workshops

Milestone M8.5.

- **Citizens have a central role** in sharing their data and **building trust** with citizens is the main prerequisite from which we should start any consideration of the possibility of sharing data.
- **Citizen and patient engagement are much wider than stakeholder engagement**, and there are various active or more passive mechanisms for citizen engagement.
- Also, it is necessary to encourage the **involvement** of citizens to the EHDS.
- **Data valorisation** or monetisation **needs further discussion** with focus on key questions including how to anticipate the **value created with data, different models**, what would be acceptable model for citizens, and ethical issues.

Conflicting?



Privacy



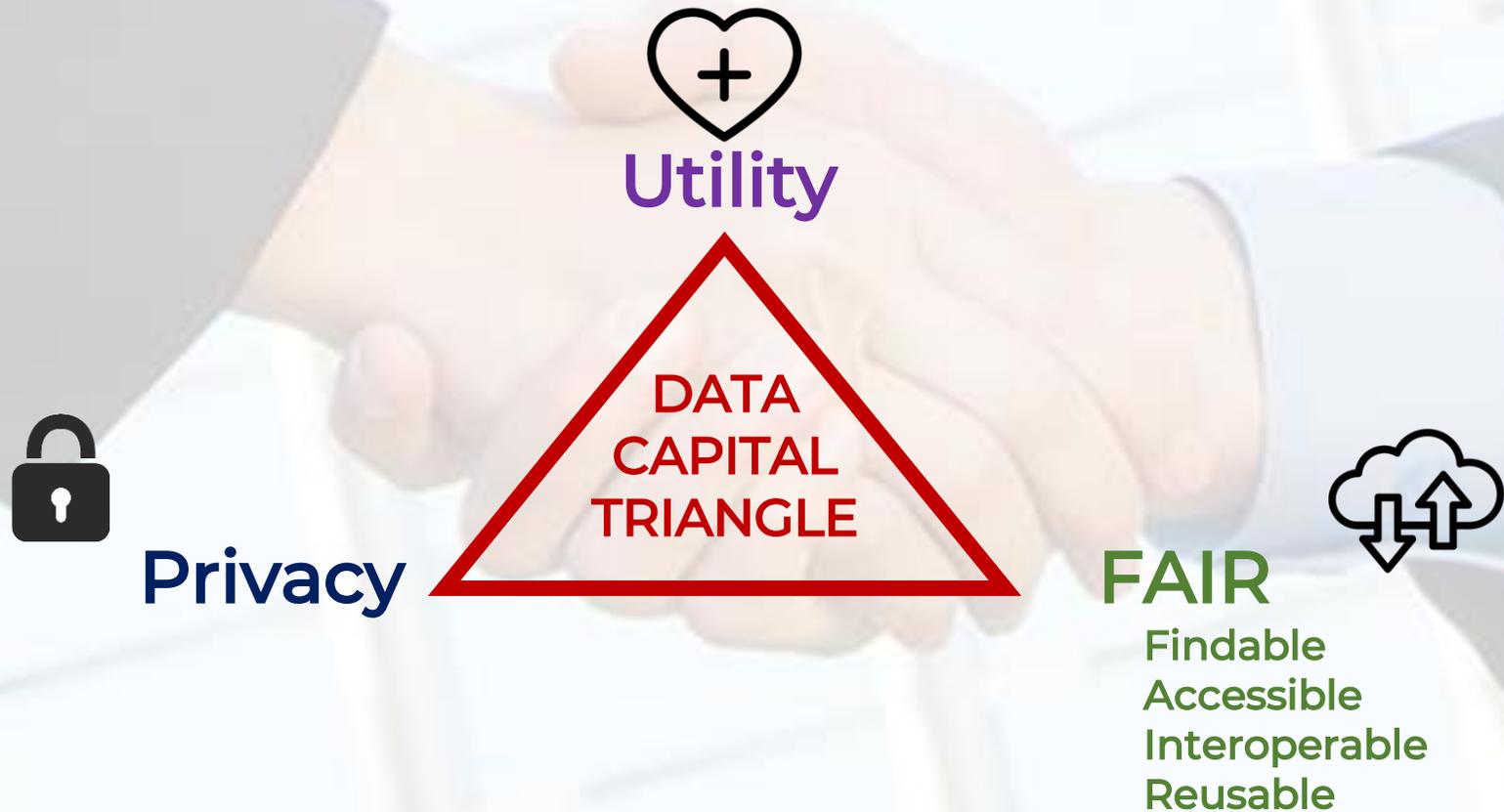
FAIR

Findable
Accessible
Interoperable
Reusable

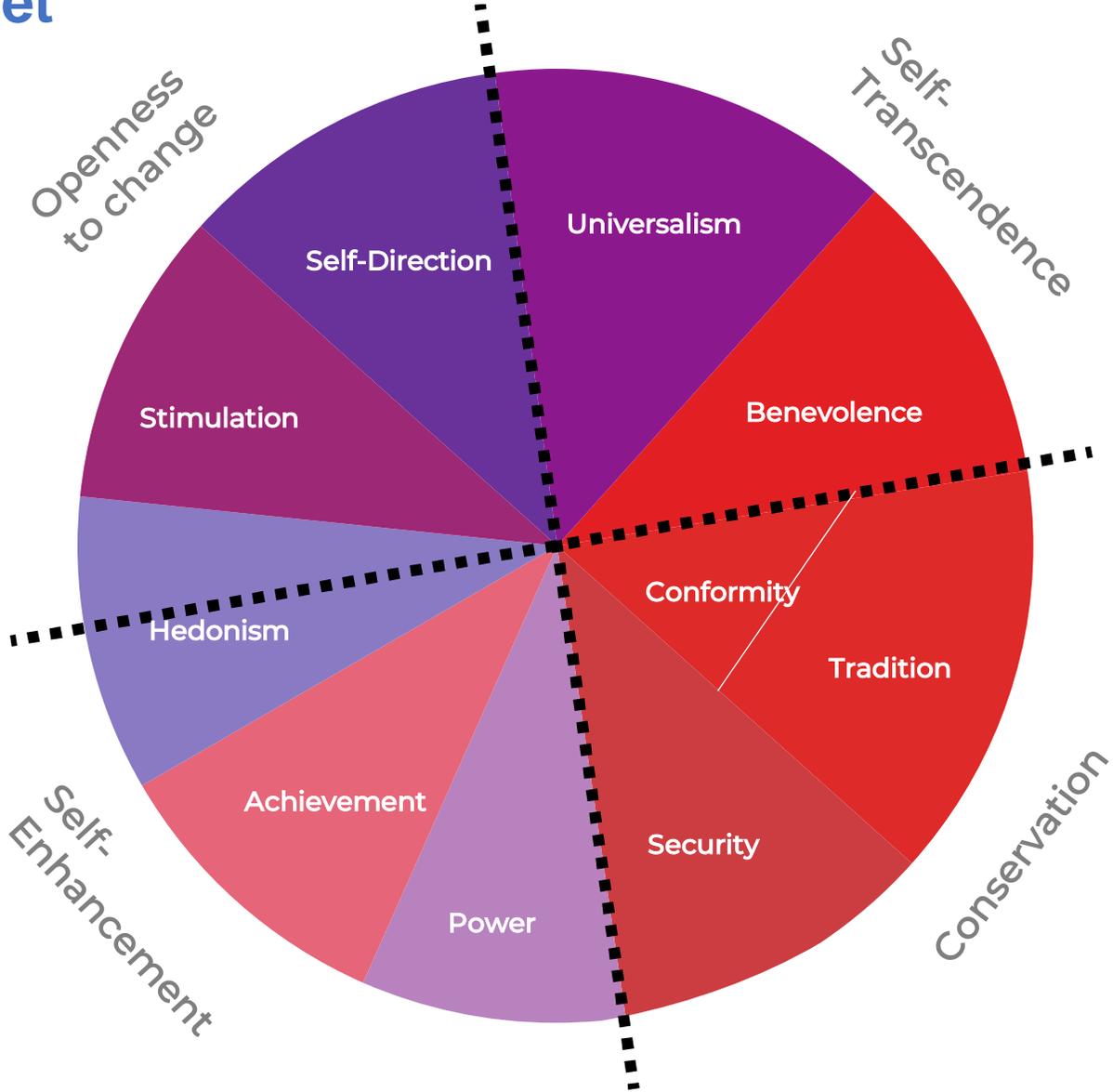


European Platform Model

Public Good



European Value Set





S H A P E T H E F U T U R E