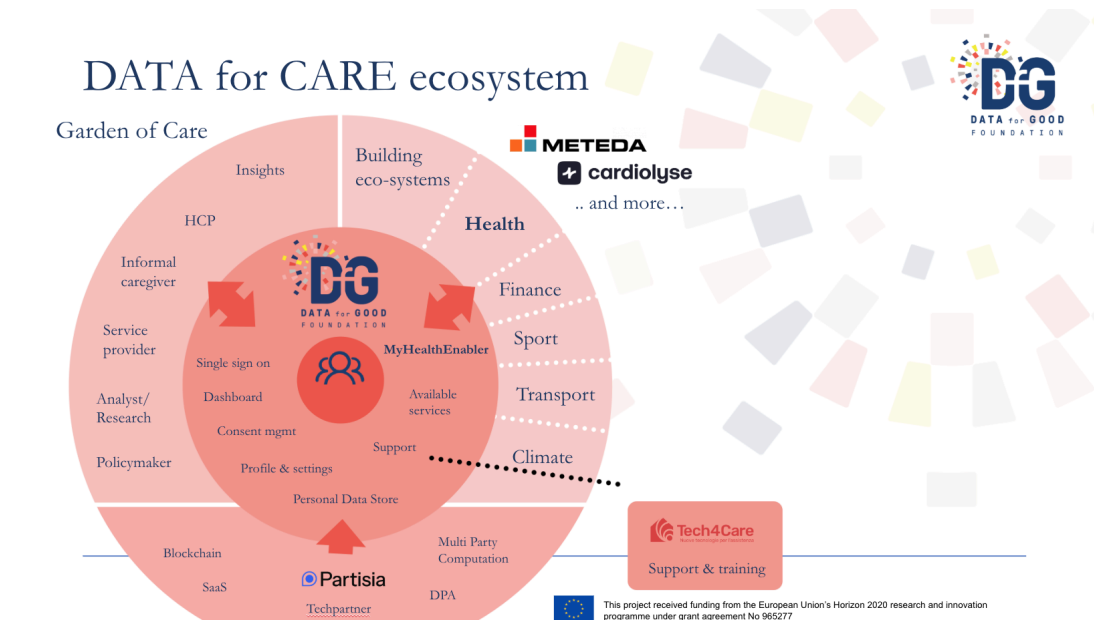# DATA for CARE - the health ecosystem based on DfG Good governance

The Data for Care solution aims to create, implement, and validate an innovative ecosystem based on the DATA for GOOD (DfG) governance model and the groundbreaking technological platform delivered to DfG by Partisia. Together the governance model and technological platform transforms and supports the value creation from personal data within the healthcare sector based on individual data control.

The figure illustrates the DATA for CARE health ecosystem - a collaborative ecosystem around stakeholders based on co-creation with a citizen and patient centric and holistic approach.

The core of the ecosystem is the DfG platform built around mathematical proven cryptation and blockchain technology. The platform empowers citizens by giving them a tool to gain full control over their personal data, and by consent activating their data to create value through digital health services, research projects and health planning and analysis.

The DfG platform enables free and secure movement of anonymized personal health data between data sources, and allows calculation and development of insights to be used in research, analysis and the health services connected to the platform if an auditable consent is given by the citizen.

DATA for GOOD governance
Trust is paramount when working with personal data. To support and maximise trust towards the the DATA for CARE ecosystem a strong, holistic governance model based on privacy and consent are created, ensuring users can securely share their data while maintaining their privacy.

DATA for GOOD Foundation has developed the governance model (also called 'DfG Good governance model'), which has been integrated in the DATA for CARE solution guaranteeing that the the data shared through the ecosystem is handled by a "neutral and none-for-profit data intermediary".

The DfG Good governance model is described by the BLTSEC = TRUST formula as shown below. In the governance model a carefully selected number of concrete principles and actions together promote and maintain trust in the DfC solution from users/citizens, healthcare actors, researchers,

service providers and other stakeholders in the platform and ecosystem as a whole, including connected services:

The BLTSEC formula

BLTSEC is short for:
B = Business - transparency, accountability;
L = Legal - compliance, data management;
T = Technology - state-of-the-art, proven;
S = Society - neutrality, interoperability;
E = Ethics & Empowerment - data ethical principles, competence and usability;
C = Culture & Communication – values and development through dialogue

The figure below illustrates how the governance model is based on concrete trust-generating actions

Principles and initiatives in DfG Good Governance

BUSINESS
- Digitale services certification, fx DfG-badge, CE, D-seal.
- DfG-Manifest and Business agreements with service providers based on shared values and ethical principles
- Transparency on agreements, pricing and business models
- Partnerships organized in ecosystems based on co-creation and collaborative models

TECH
- State of the art proven privacy within DfG platform documented by independent cyber security experts
- DfG organise a scalable network of node-operators securing independence, neutrality and agility
- Adoption of european standards for data exchange and lobby for development of standards for consent

LEGAL
- Legal white paper setting framework for compliance with EU regulation - DfG walk the talk!
- Data processing agreements within ecosystem and data protection officer within DfG, regular external review
- Data Management Plan for ecosystem as part of DfG brand

SOCIETY
- Neutral DfG-platform documented by EU Data Altruistic and/ or Data Intermediary accreditation
- Open API's supporting interoperability and tech independence
- Foundation with a not for profit purpose regulated by purpose and in accordances to Danish legislation
- Foundation donate surplus to projects within its purpose

ETHICS & EMPOWERMENT
- Ethical whitepaper with principles
- Data ethical framework for ecosystems
- Certification & regular external audit
- Ethical Oversight Board

CULTURE & COMMUNICATION
- Active in public debate on data democracy and citizens rights
- Dialogue with citizens and stakeholders for development and improvement of platform and service
- Development of manifest on data democracy and co-creation

As the figure above shows, the DfG Good governance model is based on six parameters that all play an important role in securing trust. However two parts are central. The first is the legal framework securing compliance towards EU data regulation and legislation, which is incorporated into the DfG Governance model through the 3 key features: DfG single sign on, citizen consent and personal data store.

The second central part of the governance model is connected to the core technology platform that gives a mathematical guarantee of security, privacy and anonymity, which is possible due to the multi party computation (secret computation) running on a network of independent nodes (servers) governed by DfG.