ESPON

EUROPEAN UNION

Co-financed by the European Regional Development Fund

Inspire Policy Making with Territorial Evidence

Scaling-up Digital Health Solutions through Twinnings

DigitalHealthEurope project:
Support to enabling the digital transformation of health and care in the Digital Single Market

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DigitalHealthEurope (DHE) – key facts

- Title: Support to a Digital Health and Care Innovation initiative in the context of Digital Single Market strategy
- Duration: Jan ´19 – Dec ´20 (2 years)
- Coordinator: empirica, Germany

- Instrument: HORIZON 2020
- Type: Coordination & Support Action
- Grant Agreement Number: 826353
- Acronym: DigitalHealthEurope
- Budget: €3,999,993.75

- Carried out by 17 partners suppored by a Board of 50+ Associated Experts
- Partners‘ members have >1,100 members, outreach to >20,000 organisations

Background: Supporting the three priorities of the EC COM 25 April 2018

Digital Health Europe

Digital Health and Care

TRANSFORMATION OF HEALTH AND CARE IN THE DIGITAL SINGLE MARKET - Harnessing the potential of data to empower citizens and build a healthier society

European health challenges

- Ageing population and chronic diseases putting pressure on health budgets
- Unequal quality and access to healthcare services
- Shortage of health professionals

Potential of digital applications and data to improve health

- Efficient and integrated healthcare systems
- Personalised health research, diagnosis and treatment
- Prevention and citizen-centred health services

What EU citizens expect..

90% agree — To access their own health data (requiring interoperable and quality health data)

80% agree — To share their health data (if privacy and security are ensured)

80% agree — To provide feedback on quality of treatments

Support European Commission:

Updated 24/04/2018

1 Secure access and exchange of health data

Ambition:
Citizens securely access their health data and health providers (doctors, pharmacies...) can exchange them across the EU.

Actions:
- eHealth Digital Service Infrastructure will deliver initial cross-border services (patient summaries and ePrescriptions) and cooperation between participating countries will be strengthened.
- Proposals to extend scope of eHealth cross-border services to additional cases, e.g. full electronic health records.
- Recommended exchange format for interoperability of existing electronic health records in Europe.

2 Health data pooled for research and personalised medicine

Ambition:
Shared health resources (data, infrastructure, expertise...) allowing targeted and faster research, diagnosis and treatment.

Actions:
- Voluntary collaboration mechanisms for health research and clinical practice (starting with "one million genomes by 2022" target).
- Specifications for secure access and exchange of health data.
- Pilot actions on rare diseases, infectious diseases and impact data.

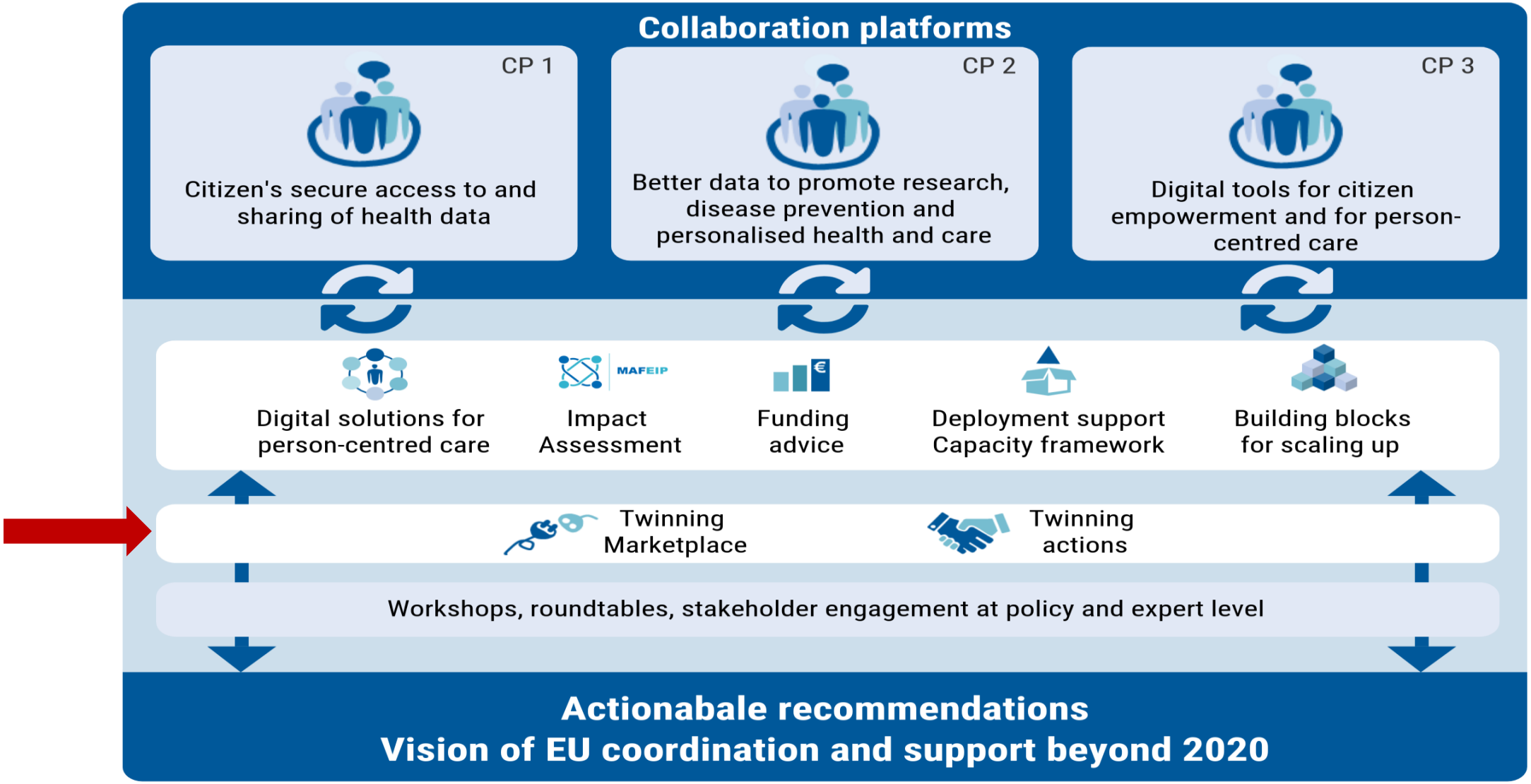
3 Digital tools and data for citizen empowerment and person-centred healthcare

Ambition:
Citizens can monitor their health, adapt their lifestyle and interact with their doctors and carers (receiving and providing feedback).

Actions:
- Facilitate supply of innovative digital-based solutions for health, also by SMEs, with common principles and certification.
- Support demand uptake of innovative digital-based solutions for health, notably by healthcare authorities and providers, with exchange of practices and technical assistance.
- Mobilise more efficiently public funding for innovative digital-based solutions for health, including EU funding.

#DigitalSingleMarket #DigitalHealth @eHealth_EU @EU_Health

DigitalHealthEurope – overview



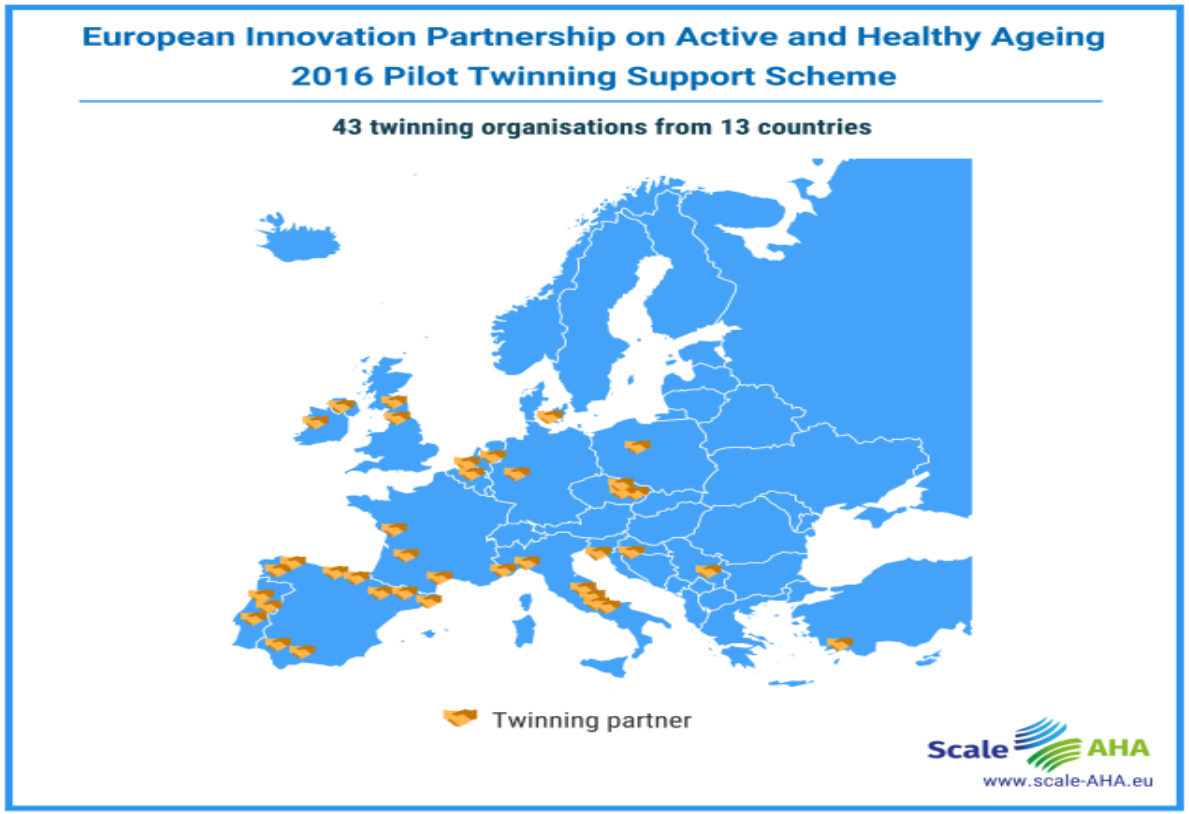
Our understanding of twinnings

- Based on the successful ScaleAHA twinnings 2016-2017 (Reference Sites of EIP on AHA)
- Aim: to de-risk investment in digital innovative ICT solutions by financing the exchange of knowledge and good practice in digital health solutions with high potential for replicability and scaling up
- Roles: originator & adopter of the innovative practice, facilitator
- Funding scope: activities necessary to carry out the twinnings (e.g. hosting meetings, technical groups, travel expenses, licenses, fees for professional services not covered)
- Timeframe: typically up to one year
- Format: twinning applications; award contracts with agreed activities and deliverables; regular reporting
- Topics: related to the DSM DTHC priorities

ScaleAHA twinnings

Originators (Reference Site, Country) and their Innovative Practices Twinning Support Scheme (ScaleAHA project, 2016)	
Andalusia, Spain	SAT Telecare Service
Andalusia, Spain	Diraya eHealth Strategy
Basque Country, Spain	Predictive Modelling System and Risk Stratification Tool
Campania, Italy	ADD Protection home-monitoring system for early and protected hospital discharge
Galicia, Spain	IANUS regional EHR system and ePrescription solution
Lazio, Italy	Frail Survey baseline assessment of frailty application
MACVIA Network, France	MASK Allergy Diary
Medical Delta Rotterdam, The Netherlands	Gastrological approach and digital modular platform to prevent and treat malnutrition
Northern Ireland, UK	STEPSelect system for selection and procurement of medicines for the elderly
North West Coast of England, UK	Teleswallowing service delivery model to improve the assessment of swallowing
Pays de la Loire, France	ALOHA system for prevention of infectious diseases for the elderly
Republic of Ireland Regional Network (COLLAGE), Ireland	Quick Mild Cognitive Impairment (Qmci) screening application & RAPid Community COGnitive screening Programme – RAPCOG
Scotland, UK	Living it Up online hub for self-management of health and wellbeing
Twente, The Netherlands	Telerevalidatie.nl self-management platform for older adults and patients with chronic diseases

- 20 twinning pairs, 43 twinning organisations from 13 countries



- Digital solutions for integrated care, homecare, falls prevention, risk stratification, regional EHR & eP, online portals, etc.

ScaleAHA twinning highlights

Originator	Adopter	Innovative Practice:
Regional Ministry of Health of Andalusia, Andalusia	Health centre Zagreb – Centar, City of Zagreb	Diraya*

- A series of co-development workshops were organised in Zagreb with primary care physicians and ICT service providers
- A set of modules was added to the existing service Zdravlje.net via small pilot projects. Especially rewarding - the e-consultation module informed by Diraya, improving the healthcare services for complex patients in Zagreb

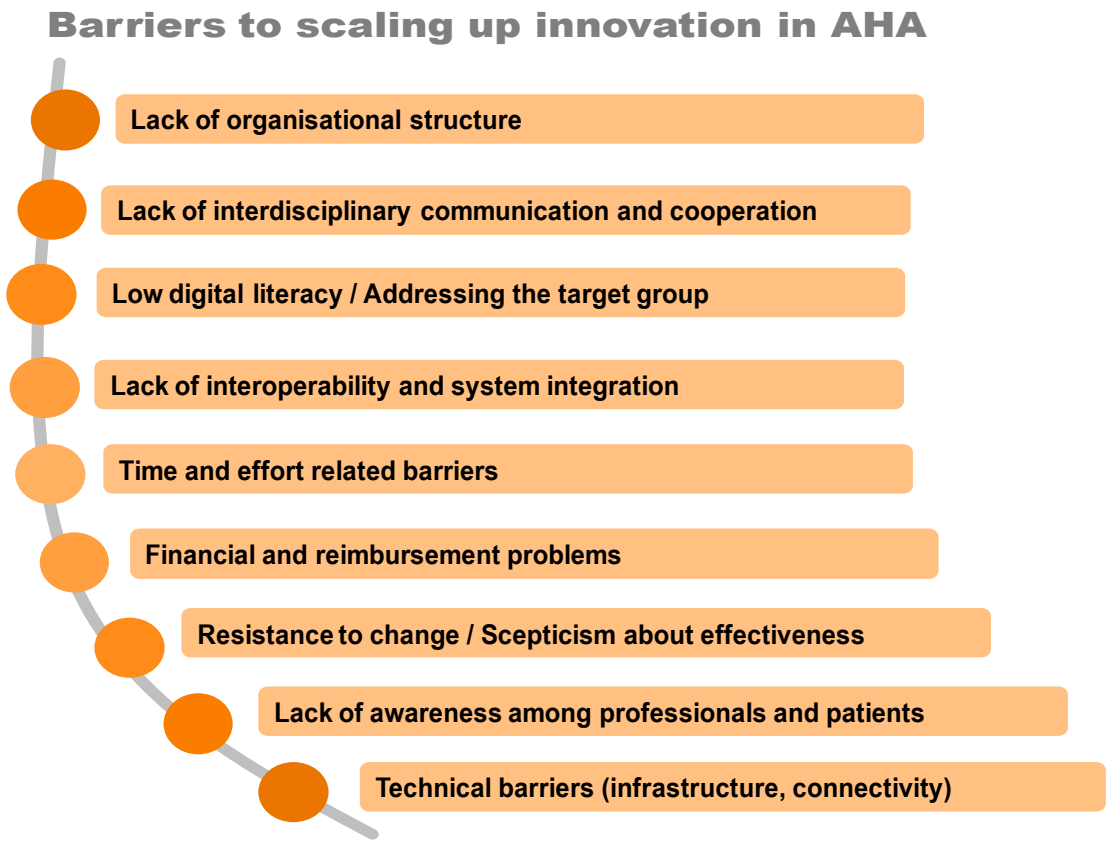
Originator	Adopters	Innovative Practice:
MACVIA-France Network	Campania, Catalonia, Porto, Olomouc, Lodz 4 Generations, Medical Delta, Northern Ireland, Piemonte, Southern Denmark, GARD Regional Network Turkey	MASK Allergy Diary*

- The twinning focusing on adapting the MASK Allergy Diary app to the 10 adopter regions' local conditions, supporting treatment of rhinitis and asthma multimorbidity
- Following the twinning the app today is available in 23 countries and 17 languages with 26,000 registered users

* https://ec.europa.eu/eip/ageing/repository/andalusian-ehealth-strategy-system-diraya_en

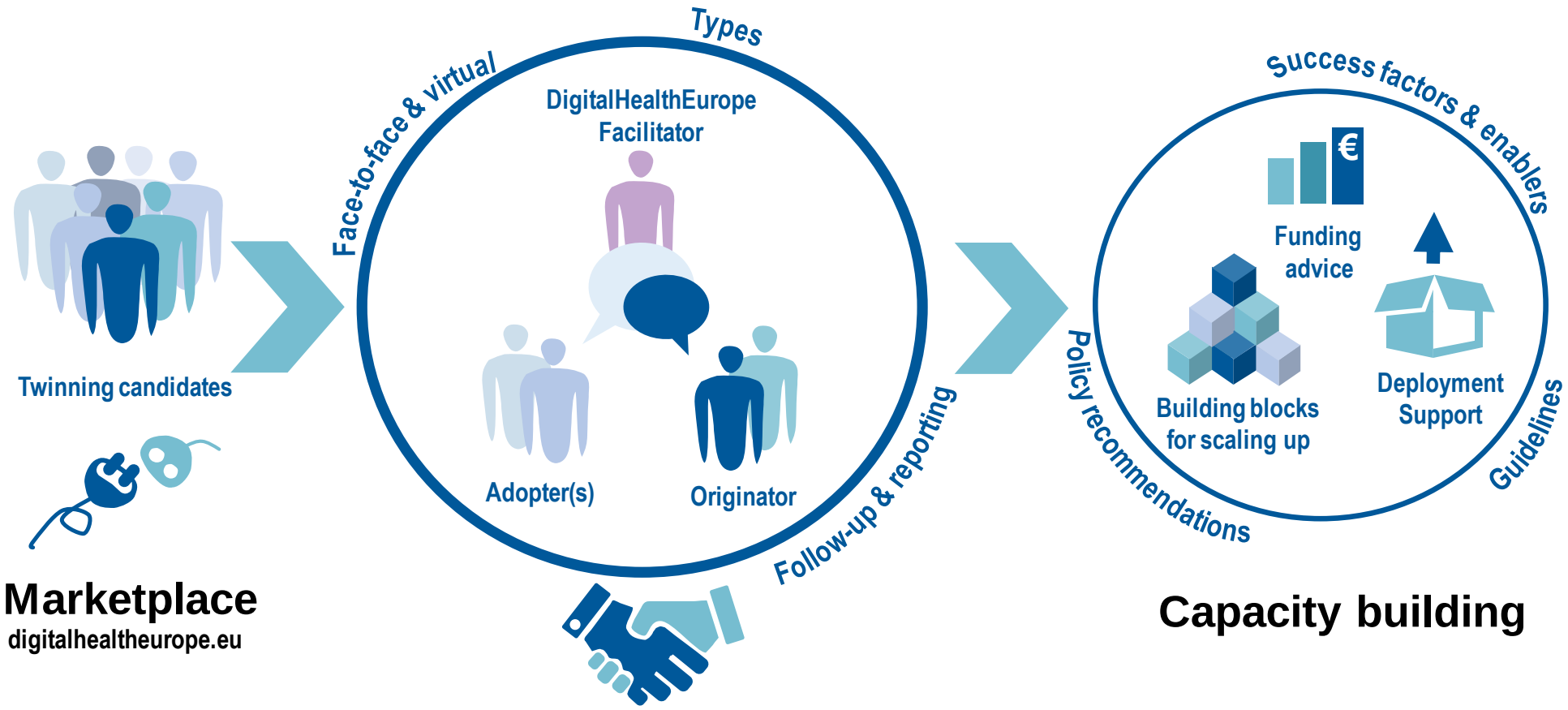
ScaleAHA twinning results: catalogued knowledge

- The twinnings documented sucess factors for scaling up digital health and care solutions, and barriers experienced and how to tackle them



- Twinning adoption plans and work plans to serve as blueprints for further adoption of new interested health and care providers

DHE Twinning Scheme - overview



DigitalHealthEurope Twinnings

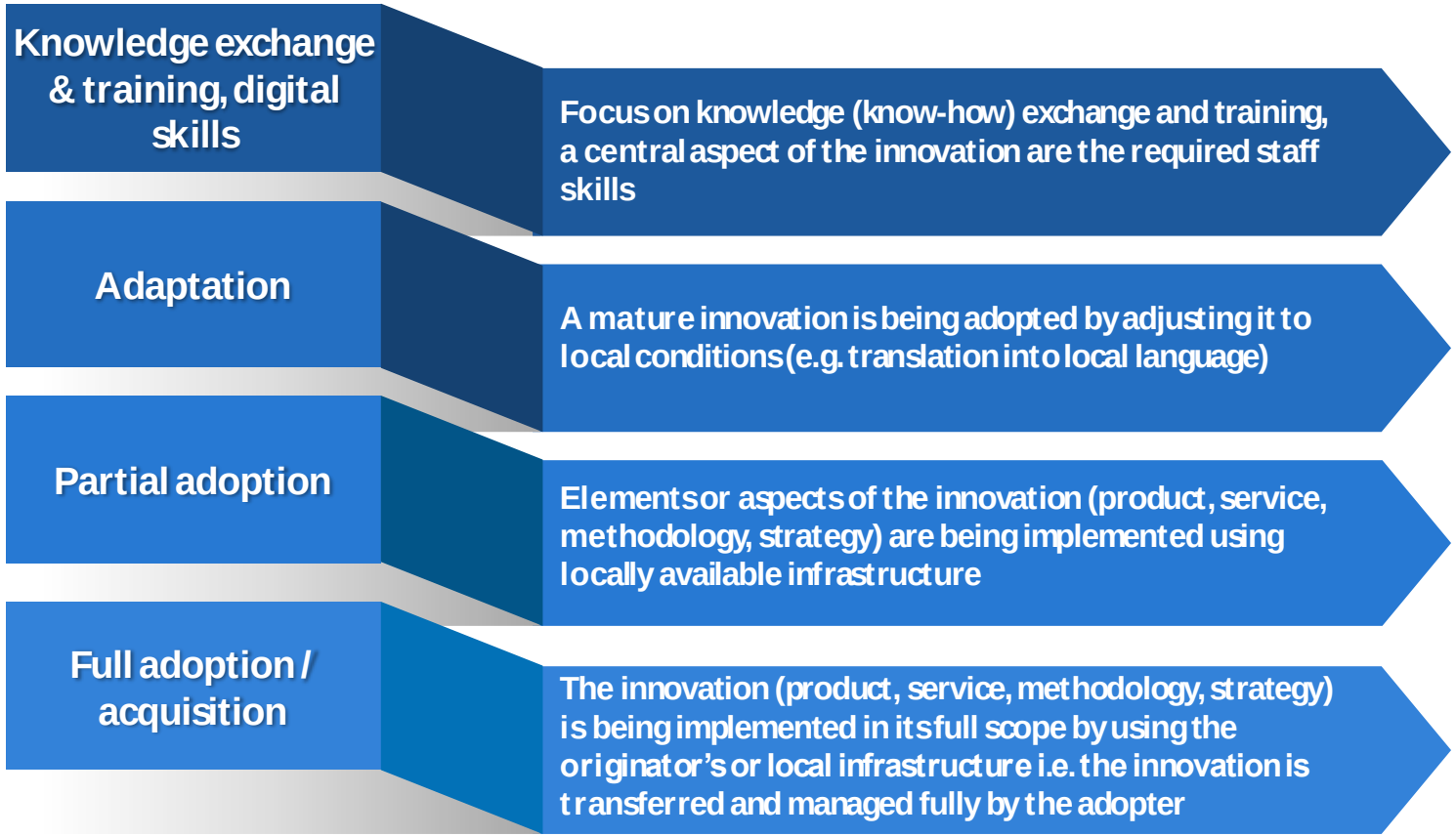
Examples of call topics: twinning solutions related to the three COM priorities (draft)

1. **Citizens' secure access to and sharing of health data**:
   secure online portal, citizen' access to EHR, PHR shared with health professionals, citizen-enabled cross-border patient summary and/or ePrescription, citizen-controlled data donation

2. **Better data to promote research, disease prevention and personalised health and care:**
   ICT for personalised medicine, genomics, real-world data use, data analytics/Artificial Intelligence, (rare) disease registries, digital tools for public health, reuse of EHRs for research

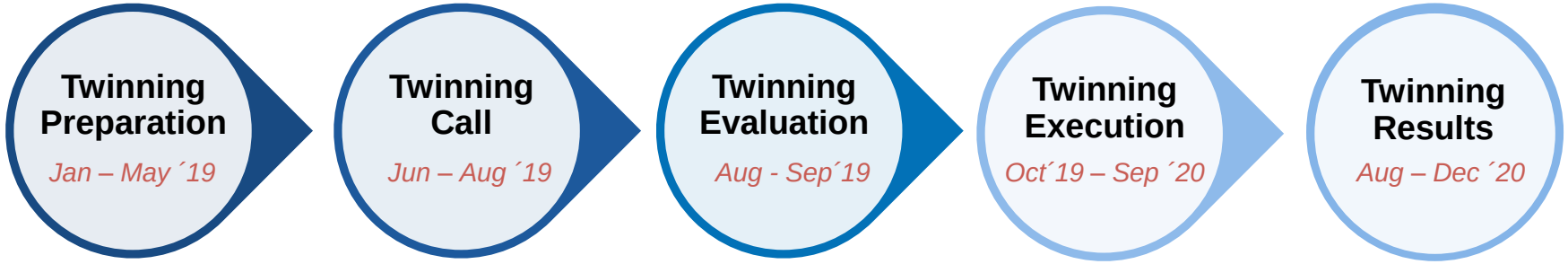
3. **Digital tools for citizen empowerment and for person-centred care:**
   Integrated Care, ICT supporting integration of health and social care services, mHealth systems, wearable devices for monitoring and prevention, alerts & reminders, self-management, homecare, patient feedback and reporting of outcomes, virtual coach, robotics, independent living, management of frailty and falls prevention

Four types of twinnings & funding framework (draft, indicative figures)



Twinning type	Expected no. of twinnings	Maximum cost of one twinning
Knowledge exchange, training, digital skills	15	€5,000
Adaptation	8	€9,500
Partial adoption	8	€17,000
Full adoption / acquisition	15	€43,000-50,000
Total	46	Almost € 1m

DHE Twinning time schedule (draft)



Dates (tentative)	Activity
11.06.2019	**Publication of the Call for Twinning Tenders documents on digitalhealtheurope.eu**
14-25.06.2019	2 Webinars for twinning applicants
28.06.2019	Deadline for questions by twinning applicants
07.08.2019	**Deadline for submission of twinning applications**
16.09.2019	**Award decision and notification**
23.09.2019	Twinning Contracts sent for signature by Twinning Contractors
15.10.2019	Signed Twinning Contracts sent to Twinning Contractors
14.10.2019	**Start of twinning activities (= M1)**
TBD	2 Webinars on twinning capacity building
31.08.2020	**End of twinning activities**
Sep-Dec 2020	Analysis of results

Stay informed and get involved

Visit the DigitalHealthEurope website

digitalhealtheurope.eu

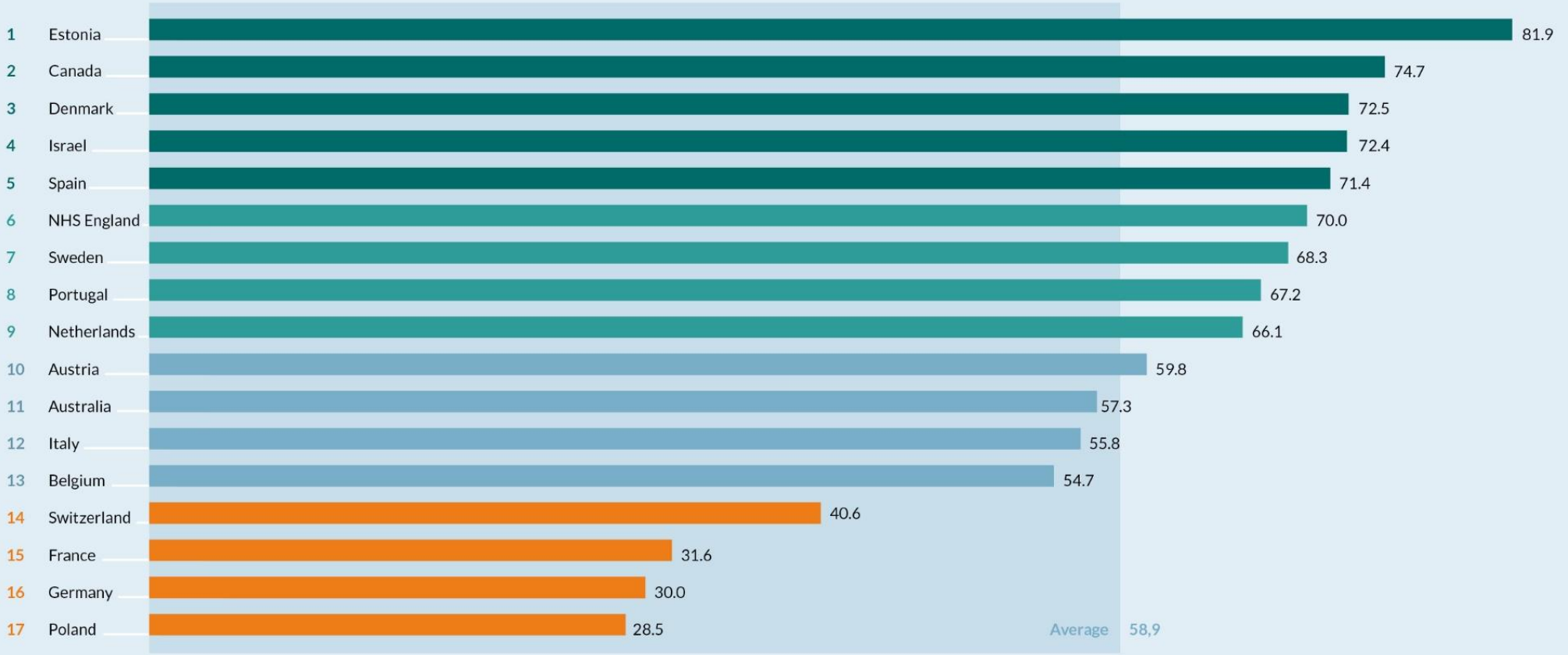
Twinning marketplace

- Online platform for twinning collaborations
- Interested organisations can state their needs (adopter) or their strengths (originator) in digital person-centred health and care solutions, practices, approaches, etc.
- The platform will enable organisations to find suitable partnerships for twinning activities

Questions about DHE twinnings?

Please contact: **info@digitalhealtheurope.eu**

Benchmarking policy and actual use of health data



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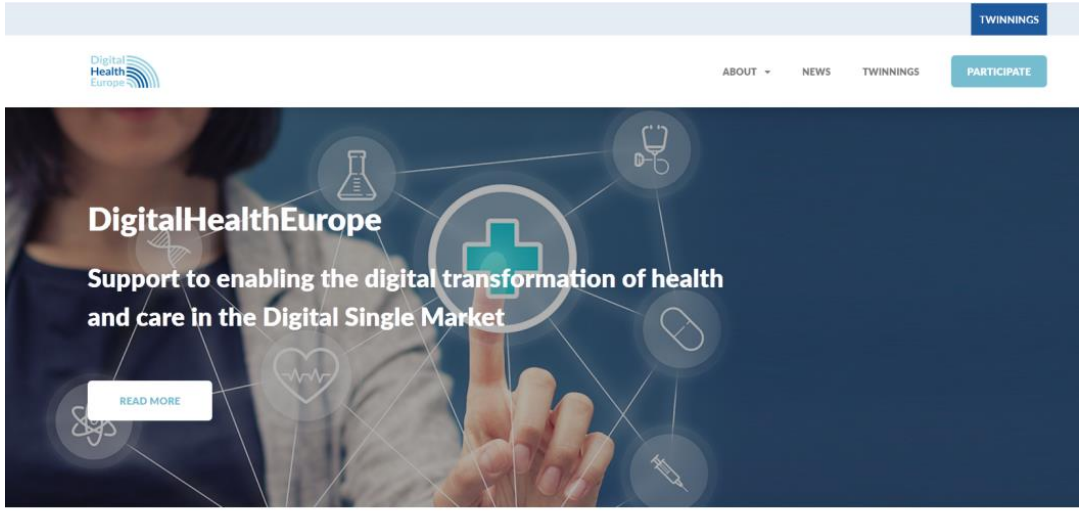

// Thank you

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