IDIH Week 2022 | Welcome to the *Info Day*

IDIH

INTERNATIONAL COLLABORATION
DIGITAL TRANSFORMATION
HEALTHY AGEING

IDIH WEEK 2022

Join the Q&A with Slido:

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#IDIH

CONCEPT | This Info Day of the project IDIH - International Digital Health Cooperation for Preventive, Integrated, Independent and Inclusive Living is an occasion to explore the findings of the IDIH Digital Health Transformation Forum, discover the IDIH products and get aware about the project progress towards its sustainability. Some highlights on current opportunities for international cooperation in the field of Digital Health for Active and Healthy Ageing (AHA) will be also presented.

AGENDA	
9.00 – 9.10	**Welcome and introduction** *IDIH Coordinator*
9.10 – 9.15	**About the IDIH Week 2022** *Mathilde De Bonis, APRE (IDIH Partner)*
9.15 – 9.30	**EU policies in Digital Health for AHA under a Global Approach to Research and Innovation** *Irina Kalderon Libal, Policy and Programme officer, DG CONNECT, European Commission*
9.30 – 9.45	**WHO Global strategy on digital health 2020-2025** *Sameer Pujari, Global Digital health Strategy & Governance, Vice Chair ITU WHO*
9.45 – 9.55	**Towards the IDIH Roadmap to enhance international cooperation in Digital Health for AHA** *Kristin Dallinger, IDIH Coordinator*
9.55 – 10.05	**Findings from the IDIH Experts Forum** *George Zissis, ATC (IDIH Partner)*
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10.45 – 11.00	**Digital Health & AHA. Opportunities for international cooperation under Horizon Europe and beyond.** *APRE (IDIH Partner)*
11.00	*Closure*

Q&A through Slido. Link to access the meeting: click here

IDIH
Think global on Digital Health & Ageing

IDIH Week 2022
Welcome and Introduction

March 21, 2022

Project coordinator:
Dr. Kristin Dallinger

Asian slot:**9.00 – 11.00** CET/16.00 – 18.00 CST/17.00– 19.00 JST&KST
Americans lot:**15.00 – 17.00** CET/9.00 – 11.00 EST/6.00– 8.00 PST

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY
Hour 1 / Hour 2 (Asian slots)	INFO DAY	PITCH DAY 1	Japan Regional Workshop	INNOVATION DAY
Hour 3 / Hour 4 (Americans slots)	US Regional Workshop (17.00– 19.00 CET/11.00-13.00 EST/8.0010.00 PST)	2°PLC Meeting (Reserved to Policy Makers)	PITCH DAY 2	INNOVATION DAY
	March 21	March 22	March 23	March 24

THE BACKGROUND

Rapidly ageing societies, increased prevalence of new chronic conditions, multiple morbidities call for enhanced

- Health risk prevention
- Assistance for treatments of health issues
- Access to innovation

THE CHALLENGE

- Strive towards healthy ageing
- Foster digital health collaboration globally
- Accelerate development of new approaches and technologies
- Share experience, innovative approaches and best practices
- Collaborate and make joint efforts

➢ **Joint efforts and mutual learning for the benefit of the society and industry on a global level is vital.**

IDIH SHORT FACT SHEET

- **Full Title:** International Digital Health Cooperation for Preventive, Integrated, Independent and Inclusive Living

- **Duration:** May 2019 – April 2022

- **Aim:** **Promote and increase international collaboration** to **advance digital health** in the EU and key Strategic Partner Countries to **support active and healthy ageing (AHA) through innovation**
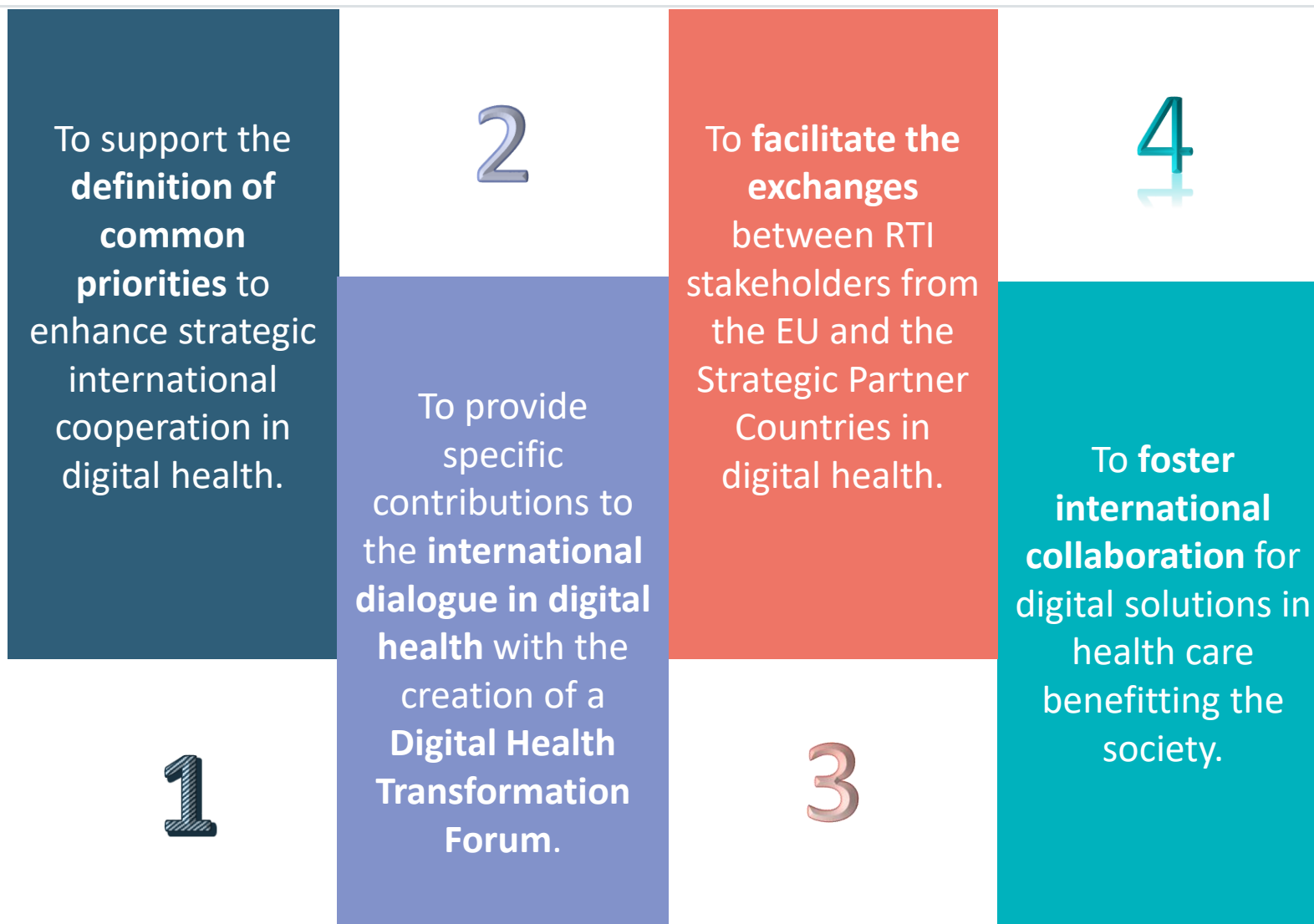
| 9 Partners | 4 EU Countries | 5 Strategic Partner Countries | 36 months (May 2019 - April 2022) | 2.4 million € (including partners' own contribution) |

PROJECT PARTNERS

9 partners – **4** from the **EU** and **5** from the **Strategic Partner Countries**:
From research to industry through to governmental support organisations and networking platforms

▶ **IDIH** serves as a **CATALYST** for the
INTERNATIONAL DIALOGUE in DIGITAL HEALTH for AHA

IDIH's OBJECTIVES

To support the **definition of common priorities** to enhance strategic international cooperation in digital health.

1

To provide specific contributions to the **international dialogue in digital health** with the creation of a **Digital Health Transformation Forum**.

2

To **facilitate the exchanges** between RTI stakeholders from the EU and the Strategic Partner Countries in digital health.

3

To **foster international collaboration** for digital solutions in health care benefitting the society.

4

IDIH

IDIH has set-up an expert-driven **Digital Health Transformation Forum** gathering top-notch experts, executives and advocacy groups from the six regions consisting of **4 Expert Groups**

Experts
Policy Makers
Users (UCG)
IDIH

Preventive care

Focus: Early diagnosis and detection

Active and healthy aging begins with a prolonged health regimen. Tech-enabled solutions that engage users in health and wellness techniques will allow active and meaningful senior lifestyles.

Integrated care

Focus: Using new technologies to redesign, coordinate, integrate health and social services & place citizens, patients and seniors at the centre of health systems.

Technology in the integrated care domain is intended to provide support at the point of care, anytime and anywhere.

Independent and connected living

Focus: Tele-monitoring via smart home and living technologies

Connected living is made possible through smart sensors and buildings, mHealth solutions, mobility aids, secure data, robotics, and e-health.
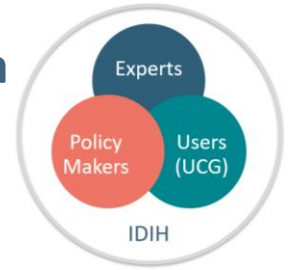
Inclusive living

Focus: Helping the elderly to feel socially more connected

Healthy environments equal healthy individuals. In the aging population, a component of healthy living is inclusivity, promoting positive social engagement, and ensuring a rewarding social aspect to age.

IDIH

APPROACH | EXPERT-DRIVEN AROUND 4 STRATEGIC TOPICS

IDIH has set-up an expert-driven **Digital Health Transformation Forum** gathering top-notch experts, executives and advocacy groups from the six regions

consisting of **4 Expert Groups**

Preventive care

Integrated care

Independent and connected living

Inclusive living

to work on defining **common priorities** & identifying **opportunities** of mutual benefit.

to define a **Roadmap** towards enhanced **International Collaboration on Digital Solutions for Active and Healthy Ageing**

IDIH's EXPECTED IMPACT

Increased awareness of relevant research and innovation initiatives by stakeholders.

Increased international cooperation in ICT research and innovation for AHA through a roadmap of priority areas and potential funding schemes.

More networking between European and international stakeholders interested in international cooperation in the field.

Improved competitiveness of European industry by opening up to international innovation possibilities and gaining access to future markets.

Thank you for your attention!

Project coordinator

Steinbeis 2i GmbH
For enquiries, please contact:

IDIHglobal@steinbeis-europa.de

@IDIHglobal

IDIH Global

https://idih-global.eu/

IDIH Partners

IDIH

INTERNATIONAL COLLABORATION
DIGITAL TRANSFORMATION
HEALTHY AGEING

IDIH WEEK 2022

A **4 days online event** dedicated to researchers, innovators, care providers and users associations dealing with **Digital Health for Active and Healthy Ageing (AHA).**

Information, Networking&Matchmaking, and Co-creation sessions among all the key-stakeholders of digital solutions for AHA in Europe, Canada, China, Japan, South Korea and USA.

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IDIH WEEK 2022

Info Day
(March 21, 9.00 – 11.00 CET)

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IDIH

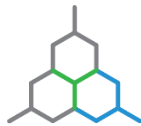Think global on Digital Health & Ageing

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DIGITAL TRANSFORMATION
HEALTHY AGEING

IDIH WEEK 2022

USA Regional Workshop
(March 21, 17.00 – 19.00 CET)

Organized by <u>CATALYST</u> (IDIH Partner)

catalyst @ **Health 2.0** 💬

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CONCEPT | This Workshop intends to explore the **impacts of COVID-19 on Active and Healthy Ageing (AHA),** with a special focus on Independent and Connected Living where there have been surges in innovation while progress has stalled as resources are shifted. Thanks to different perspectives, such as those of start-ups, investors, and the patients themselves, the workshop aims to survey a broader range of the relevant R&I landscape in the United States. In particular, by taking into consideration the findings of the IDIH Digital Health Transformation Forum, around the areas of *Data Governance, Digital Inclusion, Interoperability-by-design,* a Panel Discussion will reflect on how they might be impacted in a post-COVID 19 scenario.

CET	EST	[Draft] AGENDA
17.00 – 17.05	11.00 – 11.05	**Welcome and introduction** *Catalyst (IDIH Partner)*
17.05 – 17.20	11.05 – 11.20	**Aims and methodology of the USA Regional Workshop** *Catalyst (IDIH Partner)*
17.20 - 18.20	11.20 – 12.20	**Panel Discussion:** • Overview of COVID-19 Impacts on AHA • The IDIH proposal for priorities suitable for international cooperation on Digital Health and AHA: how a covid 19 scenario can affect their implementation? *Moderation by: Catalyst (IDIH Partner)*
18.20 – 18.35	12.20 – 12.35	**Q&A**
18.35 – 18.40	12.35 – 12.40	*Break*
18.40 – 19.00	12.40 – 13.00	**Conclusions** *Catalyst (IDIH Partner)*

Link to access the meeting: click here

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DIGITAL TRANSFORMATION
HEALTHY AGEING

IDIH WEEK 2022

Japan Regional Workshop
(March 23, 09.00 – 11.00 CET)
Organized by <u>SAWARABI</u> (IDIH Partner)

SAWARABI GROUP

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DIGITAL TRANSFORMATION
HEALTHY AGEING

CONCEPT | With the participation of the Ministry of Internal Affairs and Communication, in charge of *Horizon* in Japan, this Workshop (in Japanese with English subtitles) intends to explore **how Japan is facing Digital Transformation for a rapidly ageing society**, with a focus also on *Data sharing and security*. A panel-discussion will be held, then, with some key-players in the R&I landscape in Japan, reflecting on how to eliminate the Digital Divide, without anyone left behind. A session will be dedicated to Q&A with the audience.

[Draft] AGENDA	
9.00 – 9.10	**Welcome and introduction** *Sakon Yamamoto, SAWARABI (IDIH Partner)*
9.10 – 9.40	**How Japan is facing Digital Transformation for a rapidly ageing society?** *Information sharing session by the Ministry of Internal Affairs and Communications (Japan)*
9.40 – 10.40	**Panel Discussion: How can we eliminate digital divide?** ▪ *Prof. Katuya Iijima, Tokyo University* ▪ *Prof. Katunori Kondo, Chiba University,* ▪ *Yasuko Akutsu, MT Healthcare Design Institute* ▪ *Sakon Yamamoto, Representative of the House, IDIH-Japan* *Moderation by: SAWARABI (IDIH Partner)*
10.40– 10.50	**Q&A**
11.00	*Closure*

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HEALTHY AGEING

IDIH WEEK 2022

Innovation Day
(March 24, 9.00 – 11.00 CET)

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HEALTHY AGEING

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HEALTHY AGEING

e-VITA
EU JAPAN VIRTUAL COACH FOR SMART AGEING

CONCEPT | Starting from the findings of IDIH Experts – gathered in the IDIH Digital Health Transformation Forum – this event will be the occasion to address Digital Health for Active and Healthy Ageing focusing on the three areas suggested by the IDIH Experts for enhancing international cooperation in the field: *Data Governance, Digital Inclusion, Interoperability-by-design*. Thanks to the participation of the e-Vita project, a Panel Discussion, also based on the case studies offered by this EU-Japan collaboration, will further explore these areas highlighting tech challenges and opportunities offered by collaborative research at international level. A co-creation session will follow among the panellists, as well as the audience through ad hoc tools for live interactions.

AGENDA	
9.00 - 9.10	**Welcome and introduction** *Kristin Dallinger, IDIH Coordinator*
9.10 - 9.20	**Data Governance: the outcomes of the IDIH Experts Forum in the field of Digital Health for Active and Healthy Ageing** *APRE & ATC*
9.20 - 9.30	**Governance from the end-users' perspective: State of the art and first design for an understandable interface for older adults** • *Dr. Jasmin Lehmann, Senior Researcher Social Sciences and Ethics at University of Siegen* • *Dr. Rainer Wieching, Divisional Director Health and Prevention at University of Siegen in Germany and e-VITA EU project coordinator*
9.30 - 9.40	**Digital Inclusion: the outcomes of the IDIH Experts Forum in the field of Digital Health for Active and Healthy Ageing** *APRE & ATC*
9.40 - 9.50	**Digital Inclusion: a case study from the e-VITA project** • *Roberta Bevilacqua, Researcher and Psychologist at INRCA, National Institute on Health and Science Aging, member of e-VITA project*
9.50 - 10.00	**Interoperability-by-design: the outcomes of the IDIH Experts Forum in the field of Digital Health for Active and Healthy Ageing** *APRE & ATC*
10.00 – 10.10	**Standardization of data and systems: addressing security and privacy of cross border data** • *Sara Casaccia, Assistant Professor, Università Politecnica delle Marche*
10.10 - 11.00	**Co-creation session:** improving IDIH outcomes based on the living labs experiences of e-Vita project
11.00	*Closure*

Link to access the meeting: click here

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Innovation Day
(March 24, 15.00 – 17.00 CET)

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IDIH · **GERONTECHNOLOGY** · **AGEWEll**
Canada's technology and aging network

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15.00 - 15.10	**Welcome and introduction** *Kristin Dallinger, IDIH Coordinator*
15.10 - 15.20	**The International Society for Gerontechnology. Its mission and activities** *Gloria Gutman, President of the North American Chapter International Society for Gerontechnology*
15.20 - 15.30	**AGE-WELL Network: Making Canada a world leader in technologies that help aging population** *Andrew Sixsmith, Associate Scientific Director, AGE-WELL Network of Centres of Excellence. IDIH Expert*
15.30 - 15.40	**The outcomes of the IDIH Experts Forum in the field of Digital Health for Active and Healthy Ageing** *Mathilde De Bonis, APRE (IDIH Partner)*
15.40 - 15.50	**Frameworks for technology design and technology interventions: Application to social connectivity.** *Neil Charness, William G. Chase Professor of Psychology, Florida State University. Director, Institute for Successful Longevity*
15.50 - 16.00	**Multi-modal and longitudinal studies towards a shared understanding of the determinants of healthy ageing** *William Kearns, Associate Professor (Retired Meritorious). Department of Rehabilitation and Mental Health Counseling. University of South Florida*
16.00 - 17.00	**Co-creation session:** improving IDIH outcomes based on the Panel insights
17.00	*Closure*

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Think global on Digital Health & Ageing

EU policies in Digital Health for AHA

Irina Kalderon Libal
Policy Officer

European Commission

21 March 2022

DG CNECT, "eHealth, Wellbeing and Ageing"

R&I and Policies supported by the EC

- EC Communication "Enabling the Digital Transformation of Health and Care in the EU" (2018)

- European Partnership on Active and Healthy Ageing

- Reference Sites Collaborative Network

- Active and Assisted Living Programme

- EUR 1 Billion in H2020 on R&I, also International cooperation

- Study on the Silver Economy and on successful AHA projects

- Large Scale Pilots on Healthy Living

European Commission

H2020: Societal Challenge 1: more than 80 projects on Ageing managed by CNECT/H3

Robotics for Ageing Well

www.ict-acanto.eu

2015-18 – Robotic Friend

www.growmeup.eu

2015-18 – Self learning Robot

www.ramcip-project.eu

2015-18 Service robot for mild cognitive impairment

www.accra-project.org

2016-2019 – Robotics, Japan

www.i-support-project.eu

2015-18 – Robotic Shower System

www.caressesrobot.org

2017-20 – Culture aware robots

www.mario-project.eu

2015-18 Interacting Robot for Dementia

Innovating elderly care

SAAM - Supporting Active Ageing through Multimodal Coaching, with the creation of a virtual assistant. Extend, as much as possible, the active and independent life of people over 60 years of age living in their own homes, as well as to support the work of those taking care of them (family, friends, and social carers). https://saam2020.eu/ *2017-20*

Delivering personalised integrated health and social care services, better outcomes for older people and improved care experience. https://projectvaluecare.eu *2019-2023*

vCare aims to provide a smart coaching solution grounded on personalized care pathways. vCare stands for Virtual Coaching activities for rehabilitation in elderly and aims at an improved rehabilitation for people as they age. https://vcare-project.eu/ *2017-2021*

ICT platform helping the family, caregivers and social care systems to share information on activities, conditions and moods of those they care about. A trusted ecosystem for apps providers. www.ehcobutler.eu *2015-2017*

European Commission

Innovative solutions for independent living

SMARTBEAR

2019-2023

Integrated Platform -sensors, assistive medical and mobile devices enabling continuous data collection from the everyday life of the elderly, which will be analysed to obtain the evidence needed in order to offer personalised interventions promoting their healthy and independent living.

WORKINGAGE

2019-2022

Measuring the user **emotional/cognitive/health state** and create communication paths. Promoting healthy habits of users in their working environment and daily living activities in order to improve their working and living conditions.

sustAGE

Person-centered solution for promoting the concept of "sustainable work" for EU industries, focuses on the **support of the employment and later retirement of older adults** from work and the optimization of the workforce management. *2019-2021*

COADAPT

Framework providing principles for a two-way **adaptation in support** of ageing citizens, defining three types of smart adaptations in work systems with different level of technology sophistication. *2018-2022*

seefar

Digitally enabled adaptive solution supporting ageing **workforce with vision loss**, an age-related condition, to remain actively involved in professional life. *2018-2021*

smartwork

Worker-centric AI system for **work ability sustainability**, integrating unobtrusive sensing and modelling of the worker state with a suite of novel services for context and worker-aware adaptive work support. It empowers the employer with AI decision support tools for efficient task completion and work team optimization through flexible work practices. *2019-2021*

BIONIC
body information on an intelligent chip

Platform for realtime **risk alerting and continuous coaching**, enabling the design of workplace interventions adapted to the needs and fitness levels of specific ageing workforce. *2019-2021*
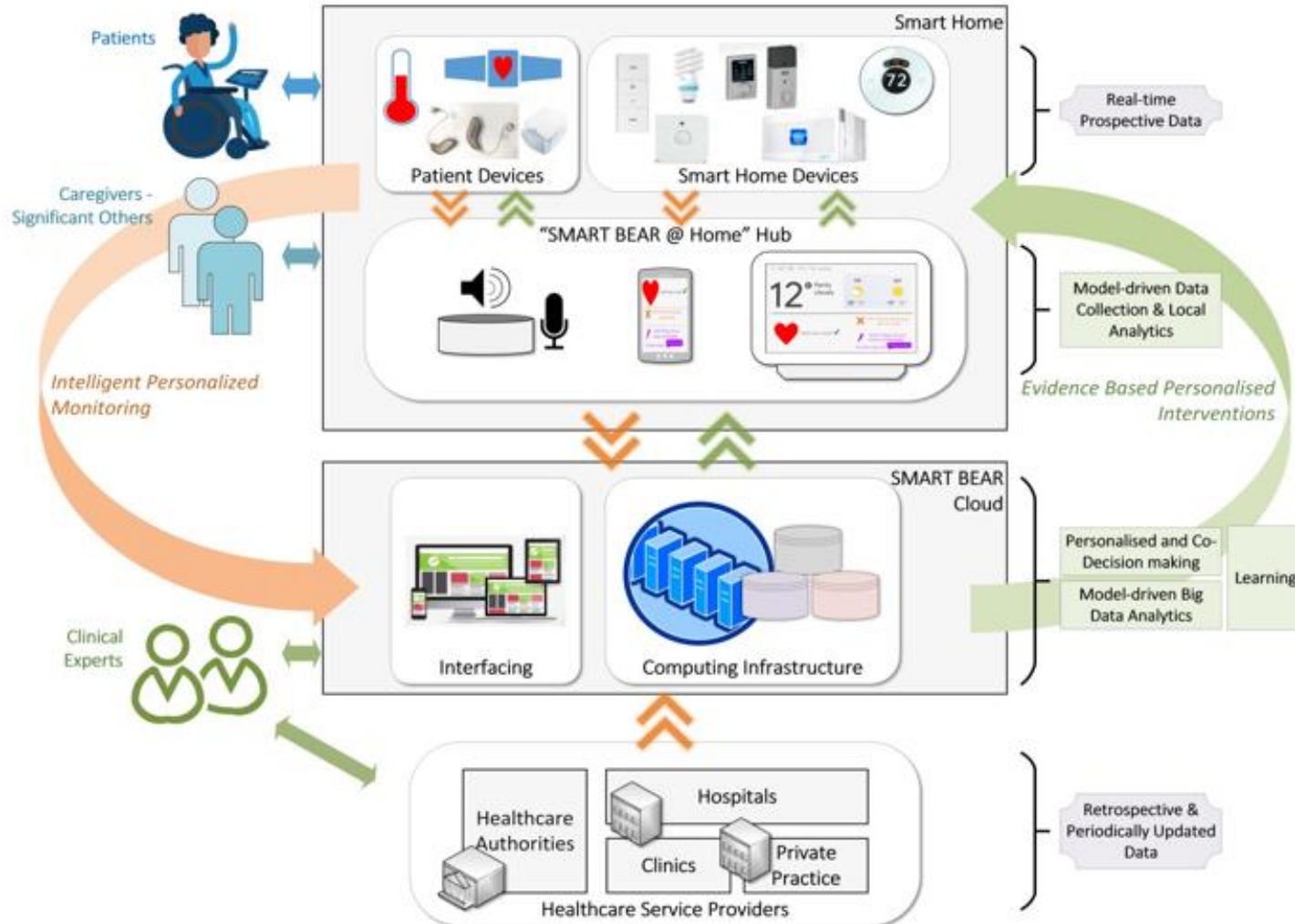
ageing at work
HR Health Management for Older Workers

ICT-based, personalized system to support ageing workers into designing fit-for-purpose work environments and managing flexibly their evolving needs. *2019-2021*

European Commission

The SMART BEAR platform

The aim is to integrate **heterogeneous sensors**, assistive medical and mobile devices to enable the continuous **data** collection from the everyday life of the elderly, which will be **analysed** to obtain the evidence needed in order to offer **personalised interventions** promoting their healthy and independent living

AAL Achievements

The AAL Programme has delivered in multiple areas:

- It has **helped develop solutions** that are **used by older adults** and their networks, promising meaningful change to their lives

- AAL-funded solutions are being used by **carers in formal health and care settings**

- It has helped raise **awareness**, create new **skills & collaborations**, and lay the foundation for **market segments** across Europe

AAL has strengthen the Industrial base in Europe:

- 31 solutions have been developed and commercially launched in 13 EU countries

- 24 AAL-funded projects or 12% of all projects launched a solution

- Growing number of paying customers of solutions contribute to increased revenue by companies

1 Better quality of life for older adults and their networks

2 Increased efficiency and sustainability of support and care systems

3 Strengthening the industrial base in Europe

AAL Programme objectives

Feeling safe · Participate in social life · Active life-style · Supporting informal carers · Supporting formal carers · Early detection of risks · Cost efficiency · New market / uptake of AAL solutions · Commercial income

European Commission

103 Reference Sites and Twinnings:

GEOGRAPHIC COVERAGE OF THE EIP on AHA REFERENCE SITES

EIP on AHA

4th Call for AHA Reference Sites to be launched in March 2022

An Open Call for active and healthy ageing Reference Sites will be launched later this month. ***FIND OUT MORE***

Regions, or municipalities that can demonstrate they are bringing together all relevant stakeholders to pursue the development and implementation of innovation and digital technology solutions for a whole life course approach to active and healthy ageing are welcome to apply.

All existing Reference Sites wishing to be reaccredited will also be required to apply.

More info: http://www.rscn.eu/events-and-news/news/4th-call-for-aha-reference-sites-to-be-launched-in-march-2022/

European Commission

Active and Healthy Living in the Digital World

European Innovation Partnership on Active and Healthy Ageing

Active and Healthy Living in the Digital World is a multi-stakeholder information and communication hub for European citizens, innovators, patients, health and care providers, researchers and policy makers engaged in research and innovation, deployment, exchange and dissemination of best practices, innovative solutions, scientific collaboration and policies related to active and healthy living and aging with digital tools. It builds on the achievements of the European Innovation Partnership on Active and Healthy Ageing and promotes active and healthy living throughout the life-course.

Subscribe to our newsletter >

Wellbeing and Health promotion	Ecosystems and Reference Sites
International Cooperation	Silver Economy & HealthTech
Age-Friendly environments	Digital Health Literacy

New policies, new funding sources

- Green Paper on Ageing (2021) => Life course approach to ageing

- EU Care Strategy

- Digital Skills in the Health domain

- Horizon Europe 21-22 - Setting up a European Smart Health Innovation Hub

- Horizon Europe 21-22 - European partnership on Transforming Health and Care Systems

- Horizon Europe 23-24 – New Opportunities for AHA

- Digital Europe Programme – Testing and Experimentation Facility in Health, Digital Innovation Hubs working on Health (Call published on 22/02/2022)

- European Health Data Space – Legislative proposal pending..

European Commission

New MFF and complementarity of investments in Digital

	EU-wide collective effort				National regional and local			Financial instrument
Horizon Europe	**Digital Europe**	**CEF**	**Creative Europe**	**Health**	**Cohesion**	**Agriculture Funds**	**RRF**	**InvestEU**
Research Innovation	Strategic capacities: computing, data, testbeds, etc. Advanced digital skills EU-Wide deployment	Broadband and 5G roll out Connecting Communities	Creative industry Media	Telemedicine eHDSI	Digital connectivity in white and grey areas Support to enterprises in line with Smart specialisation Digital skills for all citizens	Making use of Big Data for CAP monitoring Broadband rollout in rural areas	Connect Scale-up Modernise Reskill and Upskill 20% digital	Leverage private capital for investments in SMEs, research, digital, infrastructure, skills…

European Commission

Health in Digital Europe

Cloud, data and Artificial Intelligence

Data spaces

Testing and Experimentation Facilities

Health data space

TEF for Health

Cybersecurity and trust

Support to the health sector

Accelerating best use of technologies

Digital Transformation of Health & Care

Digital Innovation Hubs

Cancer Imaging Initiative and Genomics

European Commission

European Digital Innovation Hubs provide technological expertise and experimentation facilities to enable the digital transformation of the industry and the public sector

Test before invest:

Testing HPC, AI, cybersecurity, blockchain for public admin

Facilitate agile procurement through working with smaller GovTech suppliers

Giving advice on digital by default

Skills and training:

Awareness raising about the potential of AI, HPC, cybersecurity and European CEF DSIs.

Training public administrations on CEF DSIs, once only principle, Single Digital Gateway, eIDAS, etc.

DIHs as one-stop-shops

Support to find investments:

DIHs could help public administrations develop specifications for joint innovation procurement (PPI/PCP)

Innovation ecosystem and networking opportunities

Replicating locally developed digital public services via DIHs

Offering CEF DSIs to SMEs Liaising with DIH of other specialisation

European Commission

The AHA market - Lessons learned

- The AHA market is **highly fragmented** with several limitations preventing its rapid growth, mainly highlighting complex and individually regulated healthcare systems, inaccessibility of necessary data, and lack of Europe-wide support.

- AHA market in the EU is **a difficult market to navigate in**, not only for start-ups but also investors and facilitators, as it is still an emerging one, especially compared to the US market.

- The AHA market is **a slow market** in terms of the speed of adoption of innovative solutions, and in generating ROI, those two aspects were seen as being highly interdependent.

- **Older population has** increased price sensitivity, conservatism in decision-making, and lack of trust in innovative solutions, especially technology-based ones, if compared to other segments.

Some solutions..

- Initiatives national, EU and International level
- Innovators prepared to navigate the complexities
- Government-backed sandboxes
- Comprehensive ways to engage with stakeholders
- Initiatives to change the attitudes via education and intergenerational contact
- A needs-based rather than aged-based solutions, shift from "healthy ageing" to "healthy living"
- Specialised accelerators and sandboxes for AHA businesses
- Implementing initiatives that encourage investor activity in the AHA market

European Commission

Global strategy on Digital Health

2020-2025

Department of Digital health and innovation

World Health Organization

The storyline

WHA58.28 on eHealth
Consider drawing up a long-term strategic plan for developing and implementing eHealth services promote equitable, affordable and universal access to their benefits

WHA71.7 Digital health
Develop... in close consultation with Member States and with inputs from relevant stakeholders... a global strategy on digital health, identifying priority areas including where WHO should focus its efforts".

Triple billion targets

2030 SDGs

| 2005 | 05 | | 2013 | 05 | | 2018 | 05 | | 11 | NOW | 2023 | 2025 | 2030 |
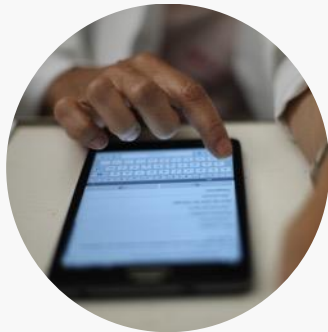
WHA66.24 on eHealth standardization and interoperability

Consider developing... policies and legislative mechanisms linked to an overall national eHealth strategy

IMPLEMENTATION

Global strategy on digital health
Improve health for everyone...affordable, scalable digital health and wellbeing...support equitable access to quality health services...implication for access, cost, quality of digital solutions

Global Strategy on Digital Health 2020-2025

2

Global Strategy on Digital Health 2020 – 2025 :

Vision

To improve health for everyone, everywhere by accelerating the development and adoption of appropriate digital health solutions to achieve the health related SDGs.

Strategic objectives

4 Strategic Objectives

SO1 Promote **global collaboration** and advance the **transfer of knowledge** on digital health

SO2 Advance the **implementation** of national digital health strategies

SO3 Strengthen **governance** for digital health at global, regional and national levels

SO4 Advocate **people-centred health system**s that are enabled by digital health

World Health Organization

SEVENTY-THIRD WORLD HEALTH ASSEMBLY
Agenda item 18.6

WHA73(28)
13 November 2020

Global strategy on digital health

The Seventy-third World Health Assembly, having considered the consolidated report by the Director-General[1] and the draft global strategy on digital health,[2] decided:

(1) to endorse the global strategy on digital health;

(2) to request the Director-General to report back on progress in the implementation of the global strategy on digital health to the Seventy-sixth World Health Assembly in 2023.

Third plenary meeting, resumed session, 13 November 2020
A73/VR/3 (resumed)

SO1 Promote **global collaboration** and advance the **trans**... **of knowledge** on digital health

Collaboration and knowledge transfer

Short term	
	▪ Networks and partnerships
	▪ Capacity-building

Medium term	
	▪ Policy dialogue
	▪ Digital health research agenda

Long term	
	▪ Knowledge management
	▪ Digital health global repository

Output highlight

- Prioritised digital health
- Multi-stakeholder groups convened
- Strengthened National information centres for diseases surveillance

Learning....sharing...

...digital transformation of health system

...Competences and capacities

Required skills for emerging functions...

Curriculum...

SO2 Advance the **implementation** of national digital health strategies

Digital strategy implementation

Short term
- Support scaled implementation
- Dynamic Digital Maturity Model
- Impact assessment

Medium term
- Digital health architectural blueprints
- Norms and standards

Long term
- Build trust
- Digital platform to assess digital health solutions

Output highlight

- Accelerated Digital health implementation
- Progress through **Dynamic health maturity model**

Informed decision...

...frontline responders...policy makers...

Value, trust....

Understand challenges....

Embrace change....

8

SO3 Strengthen **governance** for digital health at global, regional and national levels

Digital health governance
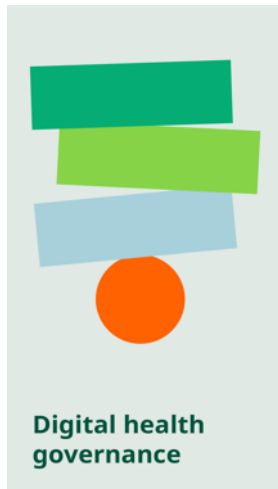
| Short term | Prioritise national investment |
| | Evidence-based technical documents |

- Prioritise national investment
- Evidence-based technical documents

Medium term

- Regulatory framework
- Country level governance structure

Long term

- Policy actions in the digital health ecosystem
- Knowledge transfer for decision making
- Regulatory framework for AI

Output highlight

- Governance established
- **Guidance on digital hospitals , digital clinical trials and digital therapeutics**
- Global interoperability guidelines developed
- Guidance on health data security

Future policy....agenda setting...

...Evidence-based interventions

...Governance....

Required skills

Inclusive culture...

9

SO4 Advocate **people-centred health systems** that are enabled by digital health

Human-centred health system

Short term
- Global minimum standards for electronic health records
- Ethic frameworks
- Data security and governance

Medium term
- Promote digital health interventions
- Health data and interoperability

Long term
- Personalized medicine
- Research synthesis

Output highlight

- Improved **digital health literacy**
- Prioritized digital health technologies and programs
- Framework on digital health tools
- Guidance on personalised medicine developed

Develop and validate digital interventions....

...Digital health literacy

...equitable access to service, products and information

Digital divide

Equality....

Action plan outline

Objective	Outcomes	Impact
SO1. **Promote collaboration and transfer of knowledge**	Global alignment to address opportunities and challenges	Sustainable digital health ecosystem
SO2. **Enhance leadership and coordination for digital health**	Strategic vision and integrated action at the national level	Cost-effective health systems and services
SO3. **Strengthen governance for digital health**	Actions and investments based on informed decisions	Accelerated digitalization of the **health** and **well-being** sector
SO4. **People-centred health systems enabled**	People empowered to make healthy & health-enabling choices	**Healthier population**

Actions relevant to well-being and healthy aging
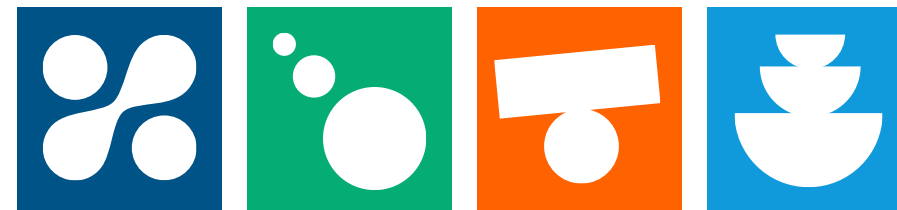
Strategy objectives	Timeline	Stakeholders	Description
SO3	Short term (1-2 years)	Member states	Analyse and document national start-ups working on innovative solutions to identify those that may have a sustainable impact on health and **well-being**.
SO4	Short term (1-2 years)	Member states	Strengthen public trust in digital health technologies and review the different education and training programmes on digital health by institution, level of degree, specialty and cost, and analyse current trends at the national level. Promote the **use of population health management** and **gender-equality approaches** through digital health applications to move health and well-being **from reactive care models to active community-based models**.
SO4	Medium term (2-4 years)	Member states	Developing population health management approaches through digital health solutions that move health and well-being from reactive care models to active community- based models.
SO4	Long term (4-6 years)	Member states	Synthesize national research and disseminate **evidence** on the contributions of digital health interventions to the performance of health systems and their impact on people's health and **well-being**.
SO4	Short term (1-2 years)	Member states	Strengthen **public trust** in digital health technologies and review the different education and training programmes on digital health by institution, level of degree, specialty and cost, and analyse current trends at the national level.
SO4	Long term (4-6 years)	Partners	Develop and promote the use of tools that support digitalizing processes at health service centres or relevant occasions with a focus on **patients' empowerment**, standardized processes and managed quality of service.
SO1	Long term (4-6 years)	Partners	Promote **centres of excellence** or innovation hubs to assess and implement digital health solutions that are aligned with country-defined needs and health related Sustainable Development Goals.
SO3	Short term (1-2 years)	WHO secretariat	Develop **evidence-based technical documents** on different topics related to digital health, such as cost-effectiveness, sustainability and affordability, ethical use, privacy and security, and safety in the context of health system strengthening, health emergency response and healthy wellbeing.
SO3	Short term (1-2 years)	WHO secretariat	Use inputs from experts (for example, the members of WHO's technical advisory group on digital health) to develop or update the pipeline of technical documents (for instance, handbooks, toolkits and guidelines) on digital health interventions to improve health and well-being.
SO3	Short term (1-2 years)	WHO secretariat	Assess and promote **innovative solutions** that can have an effective impact in the future of health and well-being.
SO1	Short term (1-2 years)	WHO secretariat	Promote health innovations where appropriate including cutting-edge digital technologies, such as the use of **artificial intelligence**, **blockchain** and **big data analytics**, and other emerging techniques and solutions in the health sector.
SO4	Medium term (2-4 years)	WHO secretariat	Promote digital health interventions while addressing social determinants of health.

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Global digital health landscape for implementation

- The implement of the Global strategy on digital health relies on **an integrated transition** for countries from "eHealth" era into the new phase of the digital transformation.

- **Understanding of country situation** in both technical and policymaking aspect is essential for implementation

- Policy options and proposed actions outlined in the action plan may vary depending on the level of **digital health maturity** a country envisages

- The use of **artificial intelligence** hold great promise to improve diagnosis, treatment, health research and drug development and to support governments carrying out public health functions, however it must put ethics and human rights at the heart of its design, deployment, and use.

We must ensure the Digital Health transformation is safe, sustainable and leaves no one behind.

Thank you.

World Health Organization

172 Actions agreed by Member States under the Global Strategy on Digital health
Among which 50 actions are for partners
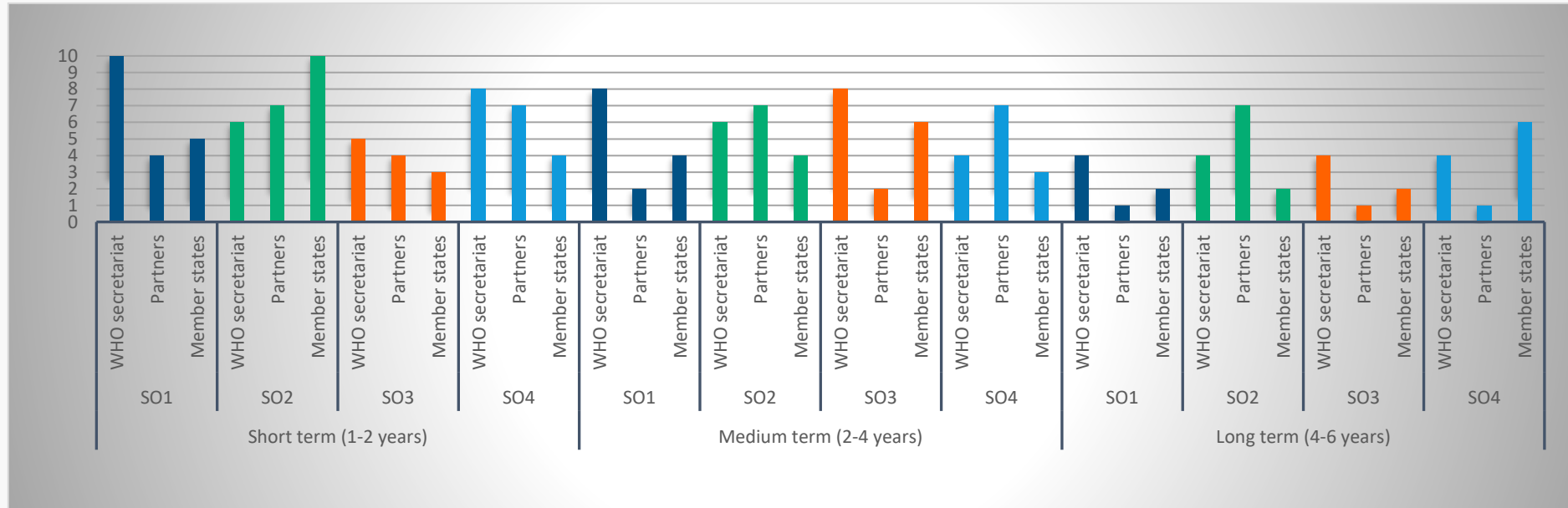
Short term (1-2 years)		73
WHO secretariat		29
Partners		22
Member states		22
Medium term (2-4 years)		61
WHO secretariat		26
Partners		18
Member states		17
Long term (4-6 years)		38
WHO secretariat		16
Partners		10
Member states		12
Grand Total		172

- SO1-ST01-Analyse digital health network landscape
- SO1-ST02-Provide policy dialogue for digital prioritization at national level
- SO2-ST04-Capacity building for strategy implementation and investment
- SO2-ST05-Digital health maturity model
- SO3-ST01-Criteria for impact assessment
- SO4-ST06-Develop an ethics framework for technologies for health

Short term (ST)		73
WHO secretariat		29
Assess		3
Create		14
Faciliate		4
Participate		1
Promote		2
Support		5
Partners		22
Create		1
Faciliate		1
Participate		8
Promote		2
Support		10
Member states		22
Assess		5
Create		5
Faciliate		5
Participate		2
Promote		4
Support		1
Medium term (MT)		61
Long term (LT)		38

Action plan: Implementation cycle

Commit

Encourage Member States, partners and other stakeholders to commit to global, regional, and national strategies on digital health

Catalyse

Create, scale and sustain an environment and processes that will facilitate and induce collaboration towards delivering results.

Enhance & Iterate

Take a new cycle of actions based on what has been experienced, measured and learned

Measure

Create and adopt processes for monitoring and evaluating the strategy´s effectiveness
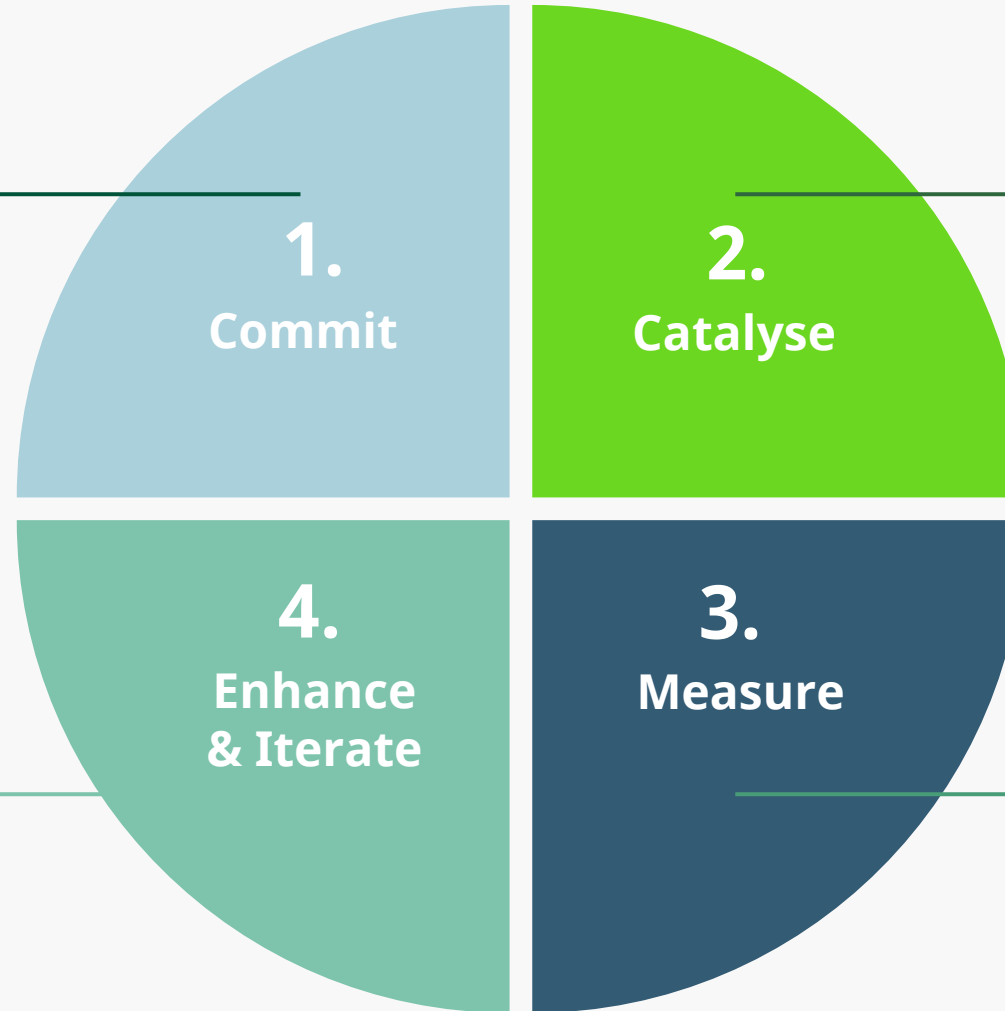
SO3 Strengthen **governance** for digital health at global, regional and national levels

The WHO guidance on *Ethics & Governance of Artificial Intelligence for Health*

- Legal, regulatory and non-legal measures for ethical use of AI for health.

- Identified areas of governance that could resolve the identified ethical challenges and integrate the six consensus principles.

- 47 recommendations for diverse stakeholders to implement.

https://www.who.int/publications/i/item/9789240029200

PROMOTING DIGITAL HEALTH FOR AHA IN A GLOBALLY COORDINATED MANNER

Demand for international cooperation to address the challenges of AHA with digital health solutions in a globally coordinated manner leveraging on each partners' expertise.

IDIH has identified similar overarching challenges related to digital health for AHA faced by the EU, Canada, China, Japan, South Korea, and USA.

- **insufficiency of essential regulatory frameworks** regarding ethical and security issues on eHealth data access;

- **highly regulative and impeding procurement systems,**

- **complex certification procedures** that hinder the industrialization of digital healthcare, the development of related start-up cultures, and hence the growth of the digital health market;

- **lack of necessary funding for research and development** which is either not available in sufficient quantity or scattered across different funds and objectives.

PROMOTING DIGITAL HEALTH FOR AHA IN A GLOBALLY COORDINATED MANNER

IDIH is developing a **Roadmap for international cooperation** in the field of digital health for AHA on **prioritized health topics** to be jointly addressed to alleviate the healthcare burden through ageing and support AHA for all, including

- ❖ **understanding** of the complex health challenges arising from **multimorbidity** of the elderly related to ageing,

- ❖ **personalized medicine** for more effective, adult–centred solutions for the senior population,

- ❖ **measures** for **health promotion, disease prevention** and **care at home** and

- ❖ **social challenges** regarding **health care** and inclusion of elderly people.

AN EXPERT-DRIVEN APPROACH AND THREE STAKEHOLDER GROUPS

The elaboration of **IDIH Roadmap**, based on the preliminary study phase of the project, is the result of the works of the **Digital Health Transformation Forum (IDIH Experts)** that, through an **expert-driven approach**, has gathered top-notch experts, executives, and advocacy groups from six regions.

The **IDIH experts** enriched and consolidated their outcomes collecting further input and feedback from both **users** (**UCG** - Users' Consultation Group) and **policy makers** (**PLC** - Programme Level Cooperation).

User/Other stakeholders → IDIH Experts Forum ← Policy Makers

EXPERT THEMATIC GROUPS

IDIH has set-up **4 Expert Groups** to work on

(1) defining **common priorities** &
(2) identifying **opportunities** of mutual benefit.
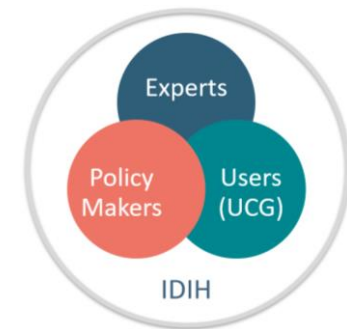
Preventive care

Integrated care

Independent and connected living

Inclusive living

These Expert Groups represent the **Digital Health Transformation Forum**, which is expected to become a long-lasting mechanism for international dialogue on exploitation of synergies, promising avenues, and open issues in digital health.

DIGITAL HEALTH TRANSFORMATION FORUM

Four Strategic Topics

	Preventive care	**Integrated care**	**Independent and connected living**	**Inclusive living**
	Focus: Early diagnosis and detection Active and healthy aging begins with a prolonged health regimen. Tech enabled solutions that engage users in health and wellness techniques will allow active and meaningful senior lifestyles.	**Focus: Using new technologies to redesign, coordinate and integrate health and social services and place citizens, patients and seniors at the centre of health systems.** Technology in the integrated care domain is intended to provide support at the point of care, anytime and anywhere.	**Focus: Tele monitoring via smart home and living technologies** Connected living is made possible through smart sensors and buildings, mHealth solutions, mobility aids, secure data, robotics, and e health	**Focus: Helping the elderly to feel socially more connected** Healthy environments equal healthy individuals. In the aging population, a component of healthy living is inclusivity, promoting positive social engagement, and ensuring a rewarding social aspect to age
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EU	Giovanni Saggio *University of Rome Tor Vergata*	Ville Salaspuro / Isabel Van De Keere *Mediconsult Oy / Immersive Rehab*	Matteo Antonio Melideo *Engineering Ingegneria Informatica SpA*	Dr Matthew Lariviere *University of Sheffield*
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Experts

IDIH

KEY-STEPS TOWARDS A ROADMAP FOR INT'NAL COOPERATION IN DIGITAL HEALTH FOR AHA
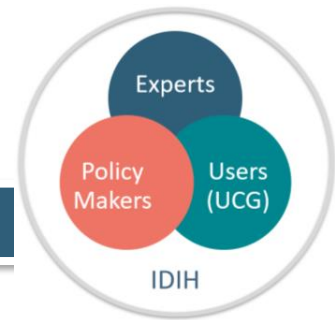
A Digital Health Transformation Forum contribution

1º
Expert Groups Workshop
May 2020

- Common vision
- Challenges
- Collaboration options
- Recommended topics for cooperation

2º
Expert Groups Workshop
May 2021

- Refined priorities for cooperation
- Proposed actions

3º
Expert Groups Workshop
Nov 2021

- Communalities
- Barriers of the 3 identified priorities for cooperation
- Vision + Concrete actions within next 5-10 years

IDIH Week

March 2022

CURRENT VERSION OF THE ROADMAP (1.0)
- *The framework of the EGs*
- *Key Technologies per EG*
- *EG Priorities*
- *Current International Activities per EG*
- *Preliminary Recommendations*

NEW VERSION OF THE ROADMAP (2.0)
What to enhance?
- *Common priorities and visions*

How to enhance?
- *Barriers & targeted actions*
- *Vision*

IDIH

ITERATIVE VALIDATION ROUNDS WITH UCG & PLC
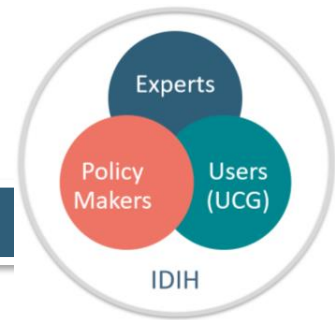
A Digital Health Transformation Forum contribution

1° PLC

1° UCG

2° PLC

2° UCG

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May 2020

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IDIH

CONSULTATION WITH THE UCG (USERS CONSULTATION GROUP)

The IDIH Experts Forum worked in close synergy with the **Users' Consultation Group (UCG) of IDIH**.

Composed of the 8 most relevant representatives of "end users" of the digital transformation of health and care in the EU and in the 5 Strategic Partner Countries, the UCG has guided the experts of the IDIH Forum to adopt **a user-centred perspective** by providing inputs and feedbacks to the works of the Forum.

Name	Organization	Region
Anna Odone	European Public Health Association (EUPHA)	EU
Feng Cao	Chinese Geriatrics Society	China
Gloria Gutman	North American Chapter International Society for Gerontechnology	Canada
Ilenia Gheno	AGE Platform Europe	EU
Jie Wang	Smart Health Care and Home Care Branch of China Association of Gerontology and Geriatrics (S2HC-CAGG)	China
Peggy Maguire	European Institute of Women's Health (EIWH)	EU
Stephen Johnston	Aging 2.0	USA/EU
Yasuko Akutsu	Association of Advanced Gerontology in Next Generation Japan	Japan

CONSULTATION WITH THE UCG (USERS CONSULTATION GROUP)

UCG members were engaged since the beginning of the project, providing their visions and feedback to the works of the IDIH Experts

- through remote consultation and the organization of **2 UCG meetings** -

whose results have been integrated in the elaboration of the final IDIH recommendations included in this Roadmap.

Name	Organization	Region
Anna Odone	European Public Health Association (EUPHA)	EU
Feng Cao	Chinese Geriatrics Society	China
Gloria Gutman	North American Chapter International Society for Gerontechnology	Canada
Ilenia Gheno	AGE Platform Europe	EU
Jie Wang	Smart Health Care and Home Care Branch of China Association of Gerontology and Geriatrics (S2HC-CAGG)	China
Peggy Maguire	European Institute of Women's Health (EIWH)	EU
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CHECK AND VALIDATION THROUGH THE PLC (PROGRAMME LEVEL COOPERATION)

A Programme Level Cooperation (PLC) was developed engaging the relevant funding agencies to facilitate the international policy dialogue around Digital Health for AHA.

1º PLC Meeting
Mar 27, 2021

BASIS

18 priorities suitable for international cooperation identified by EG in each of the 4 domains

SCOPE

Feedback and further input regarding **policy agendas** and **future nat. /reg. perspectives** around digital health for AHA

2º PLC Meeting
Feb 03, 2022

BASIS

Consolidated results of the IDIH Experts' Forum

SCOPE

Feedback and comments on **recommendations** on how to enhance international cooperation in **3 priority topics** proposed.

IDIH

DEDICATED WEBINARS

A Digital Health Transformation Forum contribution

1º PLC

1º UCG

Inclusive Design Webinar

2º PLC

Data Protection Regulations and Data Sharing Webinar

2º UCG

IDIH Week

1º Expert Groups Workshop
May 2020

- Common vision
- Challenges
- Collaboration options
- 1Recommended topics for cooperation

2º Expert Groups Workshop
May 2021

- Refined priorities for cooperation
- Proposed actions

3º Expert Groups Workshop
Nov 2021

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March 2022

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What to enhance?
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How to enhance?
- Barriers & targeted actions
- Vision

IDIH

Thank you for your attention!

Project coordinator

Steinbeis 2i GmbH
For enquiries, please contact:

IDIHglobal@steinbeis-europa.de

🐦 @IDIHglobal

in IDIH Global

https://idih-global.eu/

IDIH Partners

IDIH | Steinbeis Europa Zentrum *Enabling Innovators to Grow*

13

Findings from the IDIH Experts Forum

GEORGE ZISSIS

PM @ ATC SA

21 MARCH 2022

TELCO - IDIH WEEK 2022

INFO DAY

Findings from the IDIH Experts Forum [HOW]:

- 4 Experts Groups
- 4 Strategic Topics
- 3 Experts Groups Workshops
- IDIH Week 2021
- IDIH Webinar
- Consultation with the IDIH Users Consultation Group:

AGE Platform Europe
Ilenia Gheno, Research Project Manager

EUPHA EUROPEAN PUBLIC HEALTH ASSOCIATION
Anna Odone, President of the Digital Health section

EIWH

AGING 2.0
Stephen Johnston, co-funder

中国老年学和老年医学学会智慧医养分会
SMART HEALTH CARE AND HOME CARE BRANCH OF CHINA ASSOCIATION OF GERONTOLOGY AND GERIATRICS
Jie Wang, Vice President

Peggy Maguire, Director General

株式会社MTヘルスケアデザイン研究所

GERONTECHNOLOGY

Digital Health Transformation Forum

> Expected to become a long-lasting mechanism for international dialogue on exploitation of synergies, promising avenues, and open issues in digital health.

> Shall develop a Roadmap with concrete measures for enhancing collaboration in priority areas.

IDIH Expert Groups

Activities
- Collaborative actions
- Exchange in areas and topics of collaboration in digital health domains
- Ensure mutual learning and knowledge exchange between countries and regions

Experts
- Four Expert Groups (one per strategic topic)
- Experts coming from research, technology, industry, advocacy groups, etc.
- Experts were selected via application process

Four Strategic Topics

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Experts

IDIH

Common Priority 1 – Data Governance

*To foster a shared understanding of the **determinants of healthy ageing** through new/existing multi-modal and **forward/backward longitudinal studies** and **Big Data analytics** based on the use of **multiple data sources** (such as patient reported data, patient validated data in EHRs, biometrics and biological data), validated with and by patients through **personalised-medicine approaches** and according with a shared **international validation framework** which also addresses **cybersecurity** aspects.*

Expected Impact of Common Priority 1

- **Smoother and faster implementation by tech providers** of more sophisticated digital solutions and services that meet the future demand of data handling and allow a timely intervention on older persons and/or their care givers.

- **Improved self-management and quality of life of the older persons** through enhanced quality of more personalized, accessible and participated health care services.

- **Reduced workload and burnout risk for formal and informal carers.**

- Improved **communication** between patients and caregivers.

- **Improved planning and evaluation of health care services** based on the optimization of available data better informing decision making.

- **Reduced economic burden** of health care systems.

- Older persons and all citizens getting more familiar with sharing personal health data and allow **services integration**

- **Improved research outcomes** based on more accessible and accurate data

- **Enabled data driven and interoperable solutions** for different fields and applications.

- **Societal recognition of the importance of health determinants** throughout the life course.

- Improved **security** of health information systems.

Common Priority 2 – Digital Inclusion

*To favour inclusive healthcare systems through **age-friendly technologies** that address social **isolation and loneliness**, based on **empowerment** models, **inclusive co-design** and enhanced **digital literacy** practices, supported by international and **multi/transdisciplinary research** towards the adoption of the **5-As approach** (acceptability, applicability, accessibility, affordability, accuracy).*

Expected Impact of Common Priority 2

- **Reduced social isolation and loneliness** of older citizens
- Ensure **equitable access** to public services for older citizens regardless of their background
- **Increased digital literacy** of older citizens
- Improved healthcare system engagement for older persons
- **Improved offer of personalized care** services
- Expanded co-operation and knowledge sharing with EU and partner countries, also for **adaptation and replication** of successful models and tools **internationally**
- More inclusive strategies adopted for the engagement of older people in programmes of digital literacy for AHA
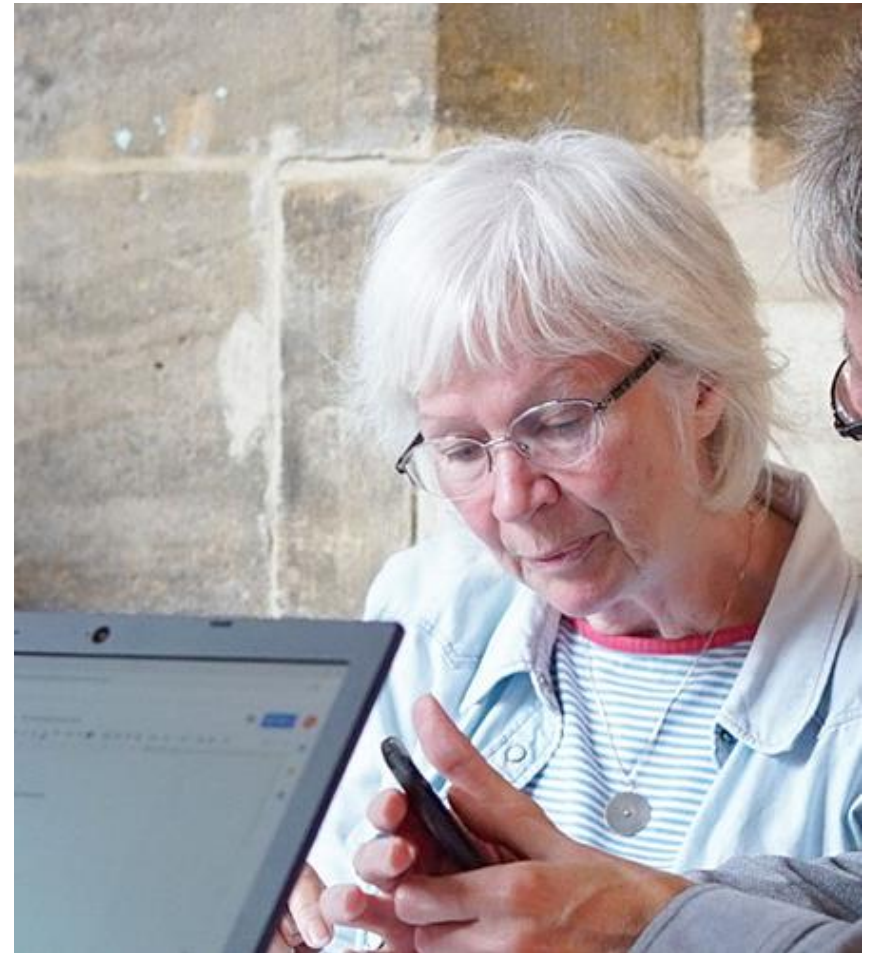
Common Priority 3 – Interoperability by design

*To ensure **accessibility, sharing and protection** of **data** from different sources, such as IoT wearables and sensors through the **development of international standards**, and procedures and incentives for producers accessible for all countries based on an **interoperability-by-design** approach of **digital solutions** for **preventive and integrated care, independent and inclusive living** of the older persons.*

Expected Impact of Common Priority 3

- Facilitated access to tools with proven and validated program design from other countries and **enhanced collaboration on datasets**.

- **Enhanced evidence-based policy making** through knowledge exchange at international level, towards **standardization of key findings** and common approaches in the field.

- **Increased target groups participation** through **international** cooperation for better research outcomes and a **meaningful impact on societies**.

- Better outcomes in interoperability (at international level and among devices) will positively affect **Integrated Care** at country level.

Thank You!

ATC

ATHENS TECHNOLOGY CENTER

Contact info:

George Zissis

g.zissis@atc.gr

IDIH Week 2022
IDIH Products for R&I Stakeholders

March 21, 2022

[Eva Fadil, G.A.C. Group]

IDIH PRODUCTS AND SERVICES (I)

IDIH Reports on the international digital health landscape and Factsheets

Overview of the **digital health research and innovation landscape** in the EU and Strategic Partner Countries (CAN, CN, JP, KR, USA):

- Priorities within digital health and AHA
- Challenges,
- Relevant key programmes
- Key players in the field
- Strengths and weaknesses

Overview of **international collaboration** and
- Success stories in digital Health bw EU and Strategic Partner Countries

Access the factsheets:

- **Factsheet Canada**
- **Factsheet China**
- **Factsheet Japan**
- **Factsheet South Korea**
- **Factsheet USA**

- **Report on Trends, Drivers, and Enablers of Digital Health** (December 2021)
- **Panorama of the digital health landscape in the EU and in the Strategic Partner Countries** (June 2021)
- **Recommended areas to consider for international cooperation in digital health research and innovation** (June 2021)

IDIH

IDIH PRODUCTS AND SERVICES (II)

IDIH Guidebooks

Updates on opportunities for researchers and innovators
- from IDIH Strategic Partner Countries under EU Funding
- from the EU under the American, Canadian, Chinese, Japanese and South Korean Funding Programmes

https://idih-global.eu/outcomes/

IDIH PRODUCTS AND SERVICES (III)

IDIH Magazine

- IDIH MAG FORMAT: a full PDF version
- IDIH MAG FORMAT: a reduced HTML version

- Articles promoting *events,*
initiatives and R&I projects at national/international
*level or experts/stakeholders from different organizations/network*s,
dealing with Digital Health for Active and Healthy Ageing

6 sections:

IDIH FOCUS ON Health
HOT ISSUES AT STAKE FROM THE INTERNATIONAL LANDSCAPE AND AT POLICY LEVEL

IDIH RESOURCES
UPDATE ON IDIH ACTIVITIES, DELIVERABLES AND OUTCOMES

IDIH EXPERTS' VOICE
A SELECTION OF ARTICLES AND PUBLICATIONS FROM HIGH LEVEL EXPERTS ON DIGITAL HEALTH FOR AHA

IDIH HIGHLIGHTS
EVENTS AND INITIATIVES IN THE FIELD OF DIGITAL HEALTH FOR AHA FROM THE INTERNATIONAL ECOSYSTEM

IDIH SHARING CORNER
IDIH STAKEHOLDERS' PERSPECTIVES. EXPERIENCES AND STORIES FROM IDIH REGIONS AND COUNTRIES

IDIH SHOT
A SELECTION OF REPRESENTATIVE PICTURES OF IDIH AND ITS PROGRESS

IDIH Magazine n.6 by mid April 2022

https://idih-global.eu/news-events/#pagenews-newsletter

The IDIH Magazine contains a multitude of news and information about digital transformation in health for active and healthy ageing, with a look to the trends and perspectives of international cooperation in this field.

If you want to tell us your story and current business, IDIH REMINDS YOU that **you can contribute as co-author in the IDIH Magazine.** This is an opportunity reserved to the registered participants in the IDIH matchmaking platform:

You can just draft your article promoting *events, initiatives and R&I projects at national/international level or experts/stakeholders from your organization/network*, dealing with Digital Health for Active and Healthy Ageing.

Please send your article **by April 8th** at idih@apre.it with **max. 3500 characters**, specifying the **title** and the name and position of the **author(s)**.

Please, add 1 **relevant image (**e.g. pictures of the interviewed experts, logos of the projects, banner of the events, projects shots, etc.).

IDIH PRODUCTS AND SERVICES (IV)

IDIH Podcasts

- **The Future of Ageing Actively and Happily** is the podcast of the EU Project IDIH - International Digital Health Cooperation for Preventive, Integrated, Independent and Inclusive Living.

- Each episode focuses on one thematic **topics**, and a strategic **region** of the world: Europe, China, Canada, Japan, South Korea, and USA.

- Available on 6 platforms

- Duration approx. 20-25 minutes

WHERE TO LISTEN
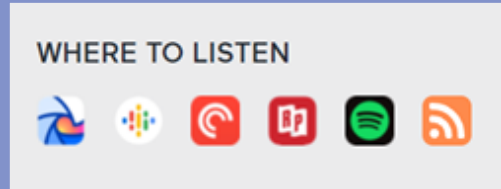
- **Podcast #1: The one on Health, Wellness, Wellbeing & Happiness** (April 2021 – 27 min)
Thematic focus: Introduction to the podcast series and Health, Wellness, Wellbeing and Happiness
Regional focus: Europe

- **Podcast #2: The one on Preventive Care and Canada** (July 2021 – 20 min)
Thematic focus: Preventive Care
Regional focus: Canada

- **Podcast #3: The one on Integrated Care and USA** (October 2021 – 22 min)
Thematic focus: Integrated Care
Regional focus: USA

IDIH

IDIH Podcasts

February 2022
27 min.

IDIH PODCAST #4

The one on China and the gender dimension in R&I and Ageing

Now available !

IDIH
INTERNATIONAL COLLABORATION
DIGITAL TRANSFORMATION
HEALTHY AGEING

This episode explores the R&I landscape in China around Digital Health and Ageing, especially thanks to the testimonies of **Dr Huiyao Huang**, from the Clinical Trial Center, National Cancer Centre of China, and **Dr Timo Strohäker**, coordinator of the *SENET* project, enhancing EU-China collaboration on Health.

Moreover, this episode dedicates a special session to the analysis of the gender dimension in Research and the ageing population, thanks to our special guest, **Dr Peggy Maguire**, Political Scientist and the Director-General of the European Institute of Women's Health (EIWH). A final outlook on R&I on digital health and ageing is provided by **Dr Francesco Giuliani**, involved in the EU project *GATEKEEPER*.

IDIH PRODUCTS AND SERVICES (V)

| IDIH Helpdesk | idih-global.eu/idih-helpdesk |

Ad-hoc advice to RTI stakeholders from the EU and the Strategic Partner Countries on Funding Programmes and Calls that offer opportunities for international cooperation in the field of Digital Health and AHA

email to idih@apre.it

IDIH PRODUCTS AND SERVICES (VI)

IDIH Week 2022

- 4 days online event dedicated to researchers, innovators, care providers and user associations dealing with Digital Health for AHA.
- Information, Networking & Matchmaking, Co-creation sessions

IDIH WEEK 2022

21 - 24 March | Online

IDIH Long-term Matchmaking Platform

Networking among all key-stakeholders of digital solutions for AHA

Register at: https://health-innovation-community-platform.b2match.io/page-1821

Create your online profile specifying your Area of Activity and/or expertise request/offer in the Marketplace

Schedule B2B-meetings with your potential international partners, even *after* the IDIH Week 2022!
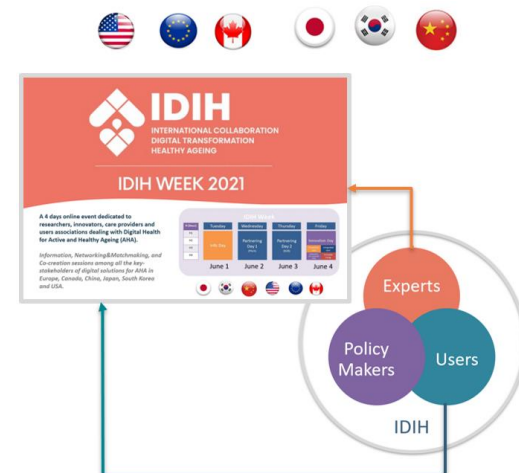
1

Introduction – ENRICH GLOBAL overview

- **Non-for-profit member-driven association founded in 2020 by 12 public and private organisations based around the world.**

- **Initiated by the members of ENRICH projects and other renowned organisations.**

- **Objectives:**
  - Contribute to the development of European scientific, technological and innovation excellence,
  - Reinforce innovation competitiveness and internationalisation,
  - Take European innovation global (and vice versa).
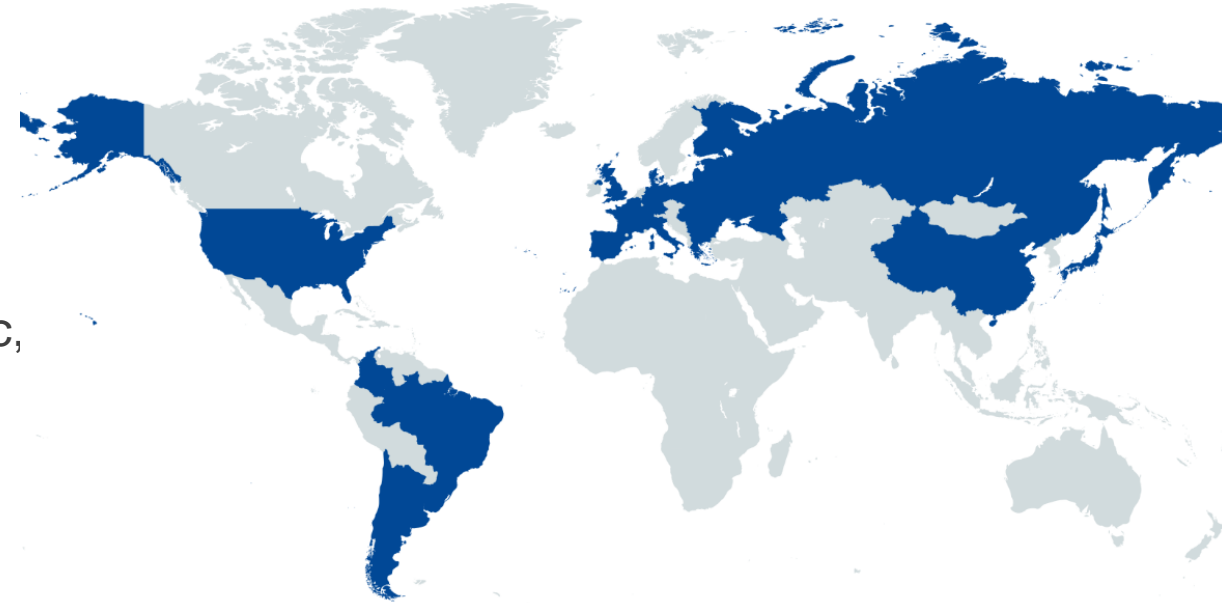
ENRICH GLOBAL coverage

ENRICH GLOBAL has for mission to **build a future for innovation-related international collaboration** by connecting organisations and existing initiatives and providing support to building sustainable collaborative programmes/projects or supporting their sustainability. This is achieved by:

- Supporting and coordinating collaboration between Initiatives and Multipliers within and outside of the European Union;
- Building collaborative programmes, services, network, and tools, or supporting them;
- Supporting sustainability efforts of collaborative initiatives such as ENRICH and others.

12 founding members: public and private organisations based around the world

Public National Agencies, Centres or Foundations:

Private and non-for-profit:
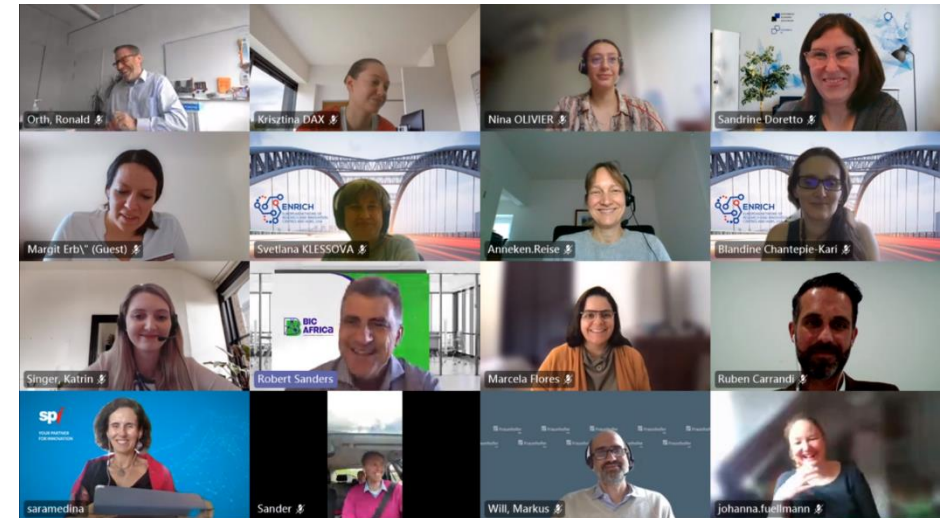
The General Assembly

reunites all members of ENRICH GLOBAL: it **defines its general policy and approves the management and financial accounts every year**.

The Board

is composed of <u>**maximum 15 persons**</u> (and composed of all the Founding Members for the first three years of ENRICH GLOBAL's existence) decides among other things on the **implementation of the general policy, approves new members, elect the desk's members and control their management**.

The Desk

is the executive management of ENRICH GLOBAL, responsible for the effective **day-today functioning of the association in conformity with the general policy** defined by the General Assembly and in application of the decisions of the Board.

PRESIDENT

Dr Svetlana KLESSOVA

Director, Research and Innovation Partnership, G.A.C. Group, France

VICE-PRESIDENT FOR EXPANSION

Filipe Miguel CASSAPO

President, ENRICH in LAC, Brazil

VICE-PRESIDENT FOR EDUCATION & SECRETARY

Blandine CHANTEPIE-KARI

Vice President, University & Entrepreneurship – Soft Landing Programs, EAEC, USA

TREASURER

Marcela FLORES

Executive Director, ANPEI - National Association of Research and Development of Innovative Companies, Brazil

ENRICH GLOBAL
TAKING EUROPEAN INNOVATION GLOBAL

Taking European Innovation Global through Thematic Groups

- ENRICH GLOBAL's Thematic Groups **bring together members of the association, but also experts and world-class actors**, contributing to international research, innovation, and business collaboration, who share the vision to provide **a unique collaborative platform** based on best internationalisation practices.

- Thematic Groups may be initiated by any member of the association and are moderated by them

- Thematic Group proposal template available in the ENRICH GLOBAL Teams

- To create a Thematic Group, interested members shall complete the appropriate template and inform the desk. The Thematic Group thus created will be presented to the next Board meeting

- Thematic Groups includes members of the association, but may also include external participants (International Forum, expert groups etc.), invited at the activities organized by the Thematic Group

- External participants can be invited at the discretion of Thematic Groups leaders for specific meetings

- One stop shop to showcase ENRICH GLOBAL mission, objectives, activities and latest news

- Bylaws and internal rules available

- Detailed procedure on how to join ENRICH GLOBAL

- Presentation of the Thematic Groups
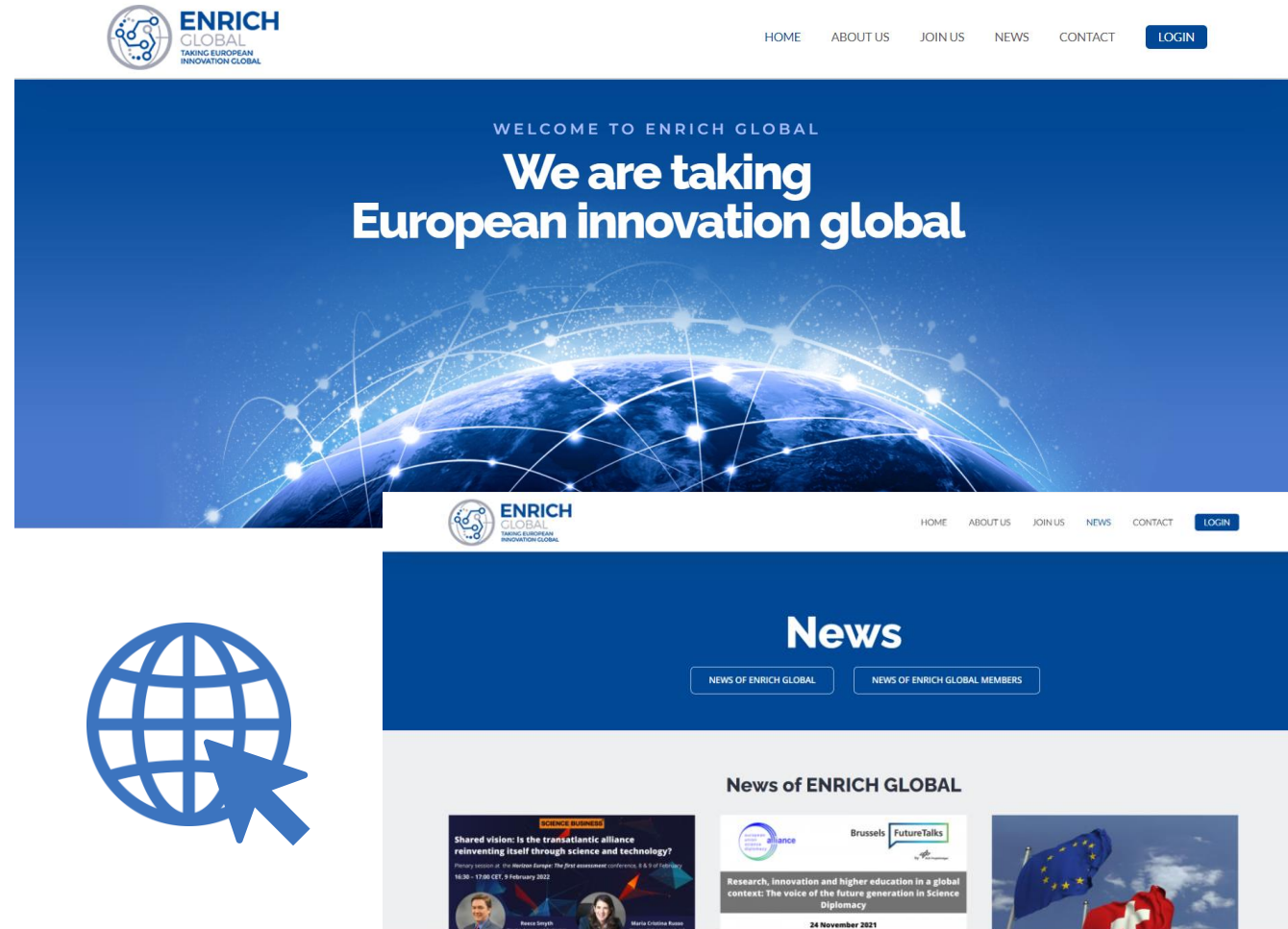
- 173 followers on Twitter and LinkedIn

- Sharing news from our activities, our members and other ENRICH initiatives

@ENRICH_network
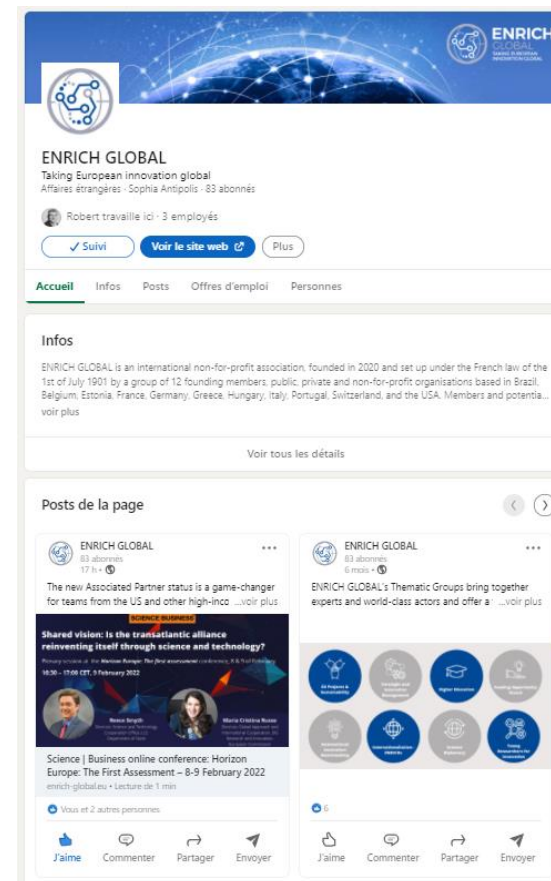
@ENRICH GLOBAL

IDIH PROJECT | The *value* of cooperation

⊓ Only **international cooperation** and global exchange of experiences, innovative approaches, best practices will relieve, strengthen, improve health systems in the longrun

Despite **divergent health care systems** around the world, countries can and should learn from each other. Every country has **specific strengths**:

- US has a well-oiled investment system & is strong on transforming innovations into economic opportunities
- Japan is very advanced in e.g. Robotics
- China is advanced in high-performance computing
- Japan and South Korea are excelling in proliferating mobile health solutions in their markets and beyond
- Europe can leverage on privacy and data sharing through primary and secondary use.

⊓ Concerted innovation and research, joint efforts and mutual learning for the benefit of the society and industry on a global level is vital.

IDIH
INTERNATIONAL COLLABORATION
DIGITAL TRANSFORMATION
HEALTHY AGEING

[CSA – funded under SC1-H2020]

IDIH Short Fact Sheet

- **Full Title:** International Digital Health Cooperation for Preventive, Integrated, Independent and Inclusive Living
- **Start Date:** 1st May 2019
- **Aim:** Promote and increase international collaboration to advance digital health in the EU and key Strategic Partner Countries to support active and healthy ageing (AHA) through innovation

9	4	5	36	2.4
Partners	EU Countries	Strategic Partner Countries	months (May 2019 - April 2022)	million € (including partners' own contribution)

APRE

A SUSTAINABILITY PLAN FOR THE IDIH OUTCOMES

- **Digital Health Transformation Forum**, a key exploitable asset of the project, and its 4 Expert Groups (Preventive Care; Integrated care; Independent and connected living; Inclusive living) with engaged experts (in average 6 per group).

- **IDIH Community:** the Long-term International Matchmaking Platform (B2Match) for networking among all key-stakeholders of digital solutions for AHA, a key exploitable asset of the project with a stakeholder community of 380+ stakeholders.

- Roadmap **"Towards an international collaboration in digital health, v. 2.0"** (D3.7), a key exploitable result of the project – both a complete, and a shorter more user-friendly version will be published. This is the final result of the work of the Digital Health Transformation Forum and the Expert Groups

- **IDIH Users Consultation Group**: 7 members (5 regions represented)

- **Programme Level Cooperation:** 13 policy makers/6 funding Agencies

Digital Health Transformation Forum

- Expected to become a long-lasting mechanism for international dialogue on exploitation of synergies, promising avenues, and open issues in digital health.
- Shall develop a Roadmap with concrete measures for enhancing collaboration in priority areas.

IDIH Expert Groups

Activities
- Collaborative actions
- Exchange in areas and topics of collaboration in digital health domains
- Ensure mutual learning and knowledge exchange between countries and regions

Experts
- Four Expert Groups (one per strategic topic)
- Experts coming from research, technology, industry, advocacy groups, etc.
- Experts were selected via application process

Four Strategic Topics

	Preventive care	Integrated care	Independent and connected living	Inclusive living
Focus	Focus: Early diagnosis and detection. Active and healthy aging begins with a prolonged health regimen. Tech enabled solutions that engage users in health and wellness techniques will allow active and meaningful senior lifestyles.	Focus: Using new technologies to redesign, coordinate and integrate health and social services and place citizens, patients and seniors at the centre of health systems. Technology in the integrated care domain is intended to provide support at the point of care, anytime and anywhere.	Focus: Tele monitoring via smart home and living technologies. Connected living is made possible through smart sensors and buildings, mHealth solutions, mobility aids, secure data, robotics, and e health	Focus: Helping the elderly to feel socially more connected. Healthy environments equal healthy individuals. In the aging population, a component of healthy living is inclusivity, promoting positive social engagement, and ensuring a rewarding social aspect to age
Facilitators	APRE	STEINBEIS 2i	catalyst @ Health 2.0	ATC
EU	Giovanni Saggio, *University of Rome Tor Vergata*	Ville Salaspuro *Mediconsult Oy*; Isabel Van De Keere *Immersive Rehab*	Matteo Antonio Melideo *Engineering Ingegneria Informatica SpA*	Dr Matthew Lariviere *University of Sheffield*
USA	Steven Charlap *CEO of GeneYes*	Christopher Gorton *Medsolis*	George Demiris *University of Pennsylvania*	Dr Mandy Salomon *Mentia Inc.*
Canada	Yves Joanette *Université de Montréal*	Kendall Ho *University of British Columbia*	Robyn Tamblyn *McGill University Health Centre*	Dr Habib Chaudhury *Simon Fraser University*
China	Yiqiang Chen *Chinese National Institute of Science and Technology*	Yanchun Zhang *Victoria University*	Guilan Kong *Peking University*	Dr. AJ Chen *West China Hospital*
South Korea	Hye-jin Kim *Baekseok University*	Jisoo Lee *HealSage consulting*	Kyoung Lee *Texas A&M University*	Dr Roland Wilson *George Mason University*
Japan	Dr Takao Tashiro *The Open University of Japan*	Ms Kanoko Oishi *Mediva*	Dr Hirohisa Hirukawa *NovusCare*	Dr Satoko Hotta *Keio University*

Health Innovation Thematic Group: International Collaboration for Health Innovation

ENRICH GLOBAL TAKING EUROPEAN INNOVATION GLOBAL

#Health #InternationalCooperation #Policies #Research&Innovation #Digitalization #Ageing #Stakeholders Engagement

Background:

- The *Digital Health Transformation Forum* of the IDIH project - International Digital Health Cooperation for Preventive, Integrated, Independent and Inclusive Living
- The SENET project (EU-China collaboration)

IDIH INTERNATIONAL COLLABORATION DIGITAL TRANSFORMATION HEALTHY AGEING

SENET·HUB

APRE Agenzia per la Promozione della Ricerca Europea

G.A.C. GROUP

In order to envisage a continuation of such *International Health Community* towards the enhancement of international cooperation in the field of Digital Health for AHA (and beyond), APRE is promoting with GAC (as co-proposer) to all other ENRICH Global members, a new ENRICH Global thematic group focused on **Health Innovation**, coordinated by APRE.

Health Innovation Thematic Group: International Collaboration for Health Innovation

#Health #InternationalCooperation #Policies #Research&Innovation #Digitalization #Ageing #Stakeholders Engagement

Aim:

- Facilitate international cooperation and policy dialogue on global health issues by harnessing the networking potential and critical mass of ENRICH Global members and their projects.

Activities:

*Evidence-based policy making will be also favoured through the participation in the workshop of the R&I experts from the International Experts Forum for Health Innovation.

International Experts Forum for Health Innovation establishment and management: this will be done by leveraging on the IDIH Community of experts +300 stakeholders. Activities and events engaging the Forum (*1 Forum event per year, online*) will be planned through a Bi-annual Plan.
- Target groups: *Researchers, Care providers, Users/Patients Associations, Health Tech providers, etc.*

International Policy Dialogue Workshops: (*1 per year, online*) to discuss about global Health challenges and compare Health policies, in a mutual learning and exchange environment that will also encourage eventual joint funding initiatives, to enhance international cooperation in specific sectors of Health*.
- Target groups: *Policy makers and funding agencies in the Health/R&I field*

Coordinated by: APRE — Agenzia per la Promozione della Ricerca Europea

Co-lead by: G.A.C.GROUP

Members: DLR-PT   ENRICH EUROPEAN NETWORK OF RESEARCH AND INNOVATION CENTRES AND HUBS LATIN AMERICA & THE CARIBBEAN

FUTURIUM (by EC)

- **What is the Futurium Platform?**
  - Futurium is a platform dedicated to Europeans discussing EU policies.
  - Futurium has almost 30.000 members
  - Reaching 8.000 monthly visitors
  - 17 communities + 25 subgroups

- *Opportunities for IDIH regarding the Futurium Platform:*
  - Means to engage the wider IDIH community
  - Institutional platform which serves to increase the impact of the Forum's work

Active and Healthy Living in the Digital World is a multi-stakeholder forum of EU citizens, patients, health and care providers, government authorities, innovators, researchers, civil society and policy makers engaged in discussion, exchange and dissemination of innovations, policies and challenges related to active and healthy living and aging with digital tools.

European Innovation
Partnership on Active
and Healthy Ageing

International Cooperation

Part of Active and Healthy Living in the Digital World

This platform focuses on international cooperation in the field of active and healthy aging.

APRE

Health Innovation Thematic Group: International Collaboration for Health Innovation

#Health #InternationalCooperation #Policies #Research&Innovation #Digitalization #Ageing #Stakeholders Engagement

Preparatory and continuous activities:

- *[preparatory]* Gathering Thematic Group members among ENRICH Global members (min. 3) ✅

- *[preparatory/1 per year]* **Mapping publications/findings/projects/networks/initiatives** within the Group

- *[preparatory/1 per year]* **Priority setting:** Health policies (e.g. European Health Union, Shaping Europe's digital future, Europe's Beating Cancer Plan, Green Paper on Ageing, Global Health Threats, etc.)

- *[preparatory/1 biannual]* Drafting an **Action Plan** ✅

- *[where possible/needed]* Drafting Publications/Reports
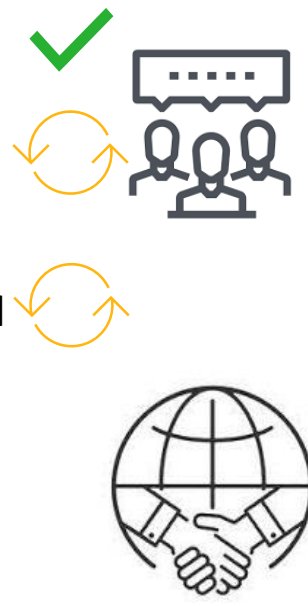
APRE

Health Innovation Thematic Group: International Collaboration for Health Innovation

ENRICH GLOBAL
TAKING EUROPEAN INNOVATION GLOBAL

#Health #InternationalCooperation #Policies #Research&Innovation
#Digitalization #Ageing #Stakeholders Engagement

Action Plan

Kick-off Meeting (internal)
14/12/2021

1° Meeting (internal)
04/2022

2° Meeting (internal)
07/2022

3° Meeting (internal)
12/2022

Launch at the IDIH Week 2022
https://health-innovation-community-platform.b2match.io/page-1821
21-24/03/2022

Experts Forum

Policy Dialogue Workshop
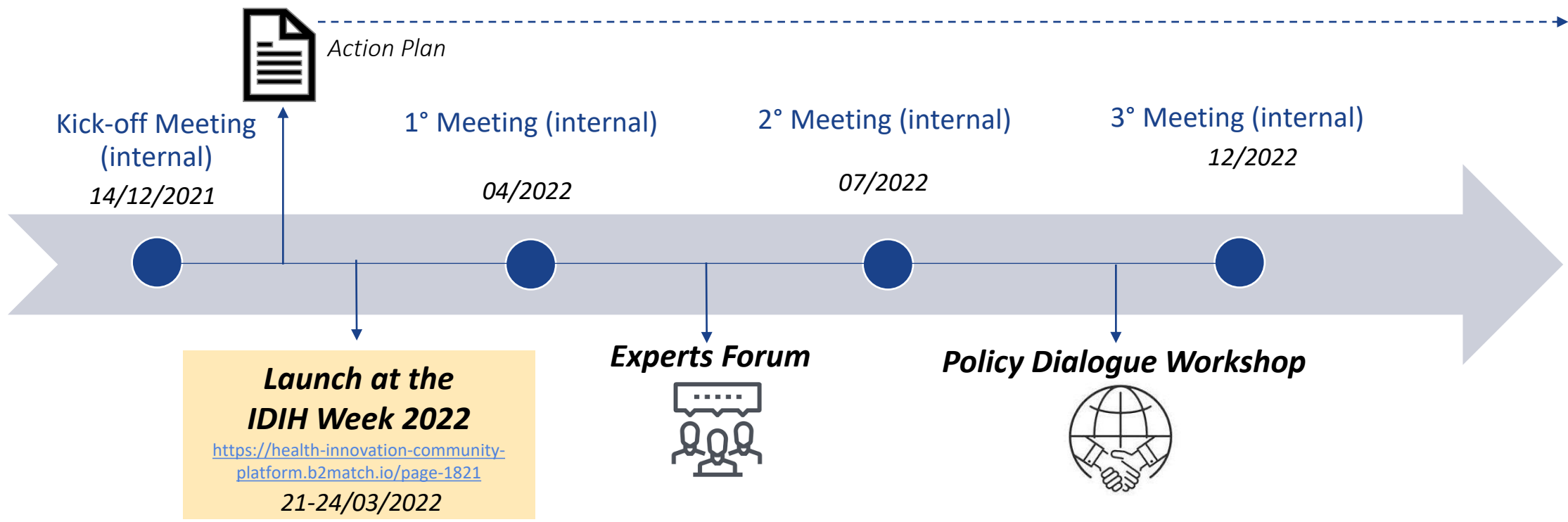
APRE

Health Innovation Thematic Group: International Collaboration for Health Innovation

CONTACTS:

- Mathilde De Bonis (debonis@apre.it)

- Eva Fadil (efadil@group-gac.com)

ENRICH - European Network of Research and Innovation Centres and Hubs

An initiative funded by the EU's Horizon 2020 Programme, aiming to promote collaborative opportunities for business and innovation players.

Objectives:

- Facilitate new European and LAC partnerships in business and innovation

- Build upon the ENRICH in Brazil activities (2017-2020)

- Expand its activities towards the whole LAC region

- Position itself as the **main and most reliable intermediary & knowledge centre in European-LAC-research based business and innovation collaboration**

- Become a financially sustainable non-profit association

ENRICH in LAC is a member of
ENRICH Global

ENRICH in LAC
Project partners & Associates

ENRICH
EUROPEAN NETWORK OF
RESEARCH AND INNOVATION
CENTRES AND HUBS
LATIN AMERICA & THE CARIBBEAN

ENRICH IN LAC **PROJECT**

Fraunhofer · FFG Promoting Innovation. · DLR-PT · ANPEi · RCISD smart. flexible. innovative. · spi Sociedade Portuguesa de Inovação

ENRICH
ASSOCIATION

(> 30 ASSOCIATES)

Braskem · natura · Atlântico · UnB · raDIX · nutes

KRYPTUS shaping trusted bonds · sabesp · AUSPIN Agência USP de Inovação · nuvem · BAZZAR · unesp UNIVERSIDADE ESTADUAL PAULISTA "JÚLIO DE MESQUITA FILHO"

OXITENO Evolution by chemistry · AMPLIA MUNDO · GAC GROUP · REPÚBLICA DA ESLOVÊNIA EMBAIXADA BRASÍLIA · cpqd · GreenWins

IDIH

Executive Education & Capacity Building

High-level learning opportunities to engage in exclusive sessions with top-ranked institutions. Expand your business mindset with a range of **workshops, webinars and training** especially designed to explore the hot topics of innovation.

Access to Funding Information

Access to funding information on Research Technology and Innovation national funding opportunities for **international cooperation in Europe and Latin America**.

Networking & Matchmaking

Establishment of high-level connections with leading European and Latin American institutions that are shaping up the innovation ecosystem through our **MATCHMAKING PLATFORM**.

Soft-Landing and Acceleration services

Accredited partners for a smooth entrance into the Latin American and Caribbean market, through **localisation guidance, space offer, administrative support and compliance checks**.

IDIH

ENRICH in LAC
Highlights 2021

ENRICH
EUROPEAN NETWORK OF RESEARCH AND INNOVATION CENTRES AND HUBS LATIN AMERICA & THE CARIBBEAN

Development of **Strategic Partnerships in 5 Latin American Countries** (Argentina, Brazil, Chile, Columbia, Uruguay)

20
Services conducted
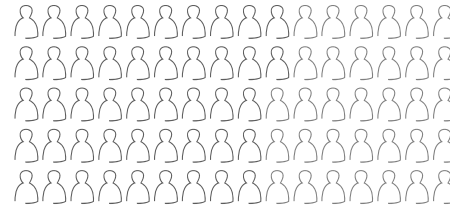
1628 participants receiving ENRICH in LAC services
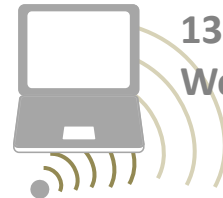
13.526 Unique Website Views

36
Members associated with ENRICH in LAC in total at the end of 2021

2 Trainings on Foresight and Technology Planning conducted

Satisfaction Rate

≫ **91,6** %

IDIH

ENRICH in LAC
Challenges to the healthcare system in LAC

Demographic challenges:

- LAC is one of the fastest aging geographic regions in the world

- proportion of citizens >65 will more than double until 2050

- shift from causes of mortality toward chronic diseases

- unhealthy lifestyles

- rising obesity

General challenges

- unequal distribution of economic income

- segments of the population without access to health

- other groups have comparable health figures with the developed world

- restricted access to remote regions

Source

IDIH

ENRICH in LAC
Perspectives of cooperation in DH & ageing with LAC

Forecast

- the LAC digital health market is progressing at an active annual growth rate
- health apps are increasingly used for online consultation
- remote monitoring services are fuelling the market
- Brazilian digital health market is playing a leading role

Concrete needs

- achieve interoperability standards in the region
- epidemiological surveillance possibilities
- adequately trained health professionals
- e-health training programs for professionals (e.g. in isolated areas)
- further development of the telemedicine / teleconsultation sector
- policy level: development of digital agendas / legal framework in collaboration with the participation of NGOs, academia and industry
- legal and ethical considerations, data protection issues

Source

IDIH
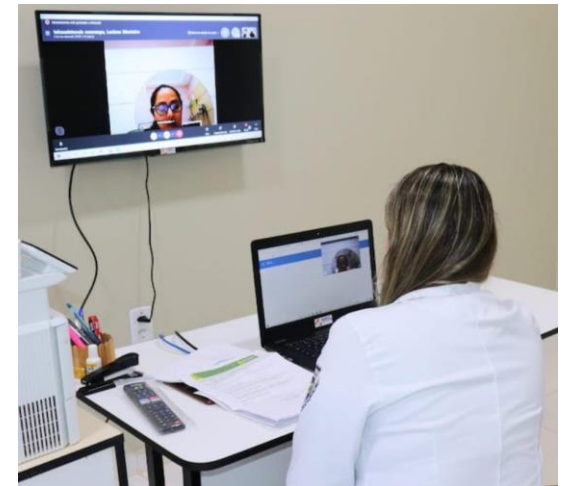
Our focal partner in LAC: FIOCRUZ

The Oswaldo Cruz Foundation is the most prominent Institution of science and technology in health in Latin America, based in Rio de Janeiro, Brazil and holding a lab in the EU at the Universidade de Aveiro, Portugal.

IDIH

OPEN: 4th EU-LAC Joint Call in STI 2022

Organized by the EU-LAC Interest Group, founded in 2017

- 29 funding agencies from Latin America, the Caribbean and the EU MS & AC

Benefits:

- Active engagement in transnational EU-LAC STI projects in addition to Horizon Europe
- Opportunity of building networks / finding research partners at intraregional and bi-regional level

2 Health topics:

➢ Personalised Medicine
➢ EU-LAC Regional Hubs: Integrating Research infrastructures for Health and Disease

Application deadline: Thursday, 28th April 2022 (17.00 CEST)

4th EU-LAC Joint Call in STI 2022

Participating countries:

1. Austria: Bundesministerium für Bildung, Wissenschaft und Forschung, BMBWF
2. Bolivia: Ministerio de Educación - Vice Ministerio de Ciencia y Tecnología, MINEDU
3. Brazil: Conselho Nacional de Desenvolvimento Cientifico e Tecnológico, CNPq
4. Brazil: Brazilian National Council of State Funding Agencies, CONFAP
5. Dom. Rep.: Ministerio de Educación Superior, Ciencia y Tecnología, MESCyT
6. Germany: Bundesministerium für Bildung und Forschung, BMBF
7. Italy: Consiglio Nazionale delle Ricerche, CNR
8. Panama: Secretaria Nacional de Ciencia, Tecnologa e Innovación, SENACYT
9. Peru: Consejo Nacional de Ciencia Tecnología e Innovación Tecnológica,
                  CONCYTEC
10. Poland: Narodowe Centrum Badań i Rozwoju, NCBR
11. Portugal: Fundação para a Ciência e a Tecnologia, FCT
12. Spain: Instituto de Salud Carlos III, ISCIII
13. Spain: Agencia Estatal de Investigación, AEI
14. Turkey: Turkiye Bilimsel vê Teknolojik Arastirma Kurumu, TUBITAK
15. Uruguay: Agencia Nacional de Investigación e Innovación, ANII

Useful Documents & Links

Call website: https://www.eucelac-platform.eu/joint-call/4th-eu-lac-joint-call-sti-2022

- ✓ Guide for Applicants
- ✓ National Funding Rules
- ✓ Proposal form for download

Call management system: https://ptoutline.eu/app/eu-lac-2022

- ✓ Proposals must be submitted online in English

B2B Matchmaking Platform: https://europe-lac.b2match.io/page-2941

- ✓ Free registration, call notification via e-mail

THANK YOU / OBRIGADO / GRACIAS

https://lac.enrichcentres.eu

contact@lac.enrichcentres.eu

Digital Health & AHA. Opportunities for international cooperation under Horizon Europe and beyond.

Mathilde De Bonis, APRE

Head of International Cooperation

Project Manager

Horizon Europe «Health» Competence Team

March 21, 2022

HORIZON EUROPE

EURATOM

SPECIFIC PROGRAMME: EUROPEAN DEFENCE FUND

Exclusive focus on defence research & development

Research actions

Development actions

SPECIFIC PROGRAMME IMPLEMENTING HORIZON EUROPE & EIT*

Exclusive focus on civil applications

Pillar I
EXCELLENT SCIENCE

European Research Council

Marie Skłodowska-Curie

Research Infrastructures

Pillar II
GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS

Clusters
- Health
- Culture, Creativity & Inclusive Society
- Civil Security for Society
- Digital, Industry & Space
- Climate, Energy & Mobility
- Food, Bioeconomy, Natural Resources, Agriculture & Environment

Joint Research Centre

Pillar III
INNOVATIVE EUROPE

European Innovation Council

European innovation ecosystems

European Institute of Innovation & Technology*

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

Widening participation & spreading excellence

Reforming &

Fusion

Fission

Joint Research Center

* The European Institute of Innovation & Technology (EIT) is not part of

ONE PROGRAMME, TWO APPROACHES:

Bottom-up: it concerns those funding schemes that are open to any R&I idea and topic from the applicants.

Top-down: it concerns those funding schemes in which applicants are asked to respond exactly to the topic described by the EC Commission Work Programme.

APRE

HORIZON EUROPE

WHO CAN PARTICIPATE

- **Participation is open to any legal entity, regardless of their place of work**, including legal entities from third countries not associated with the Program or international organizations, except for any different provision set out in the Work Program or in specific Calls. In the vast majority of collaborative projects, the consortium must be composed of **at least three independent legal entities established in a different Member State or Associated Country.** Furthermore, **at least one of the entities must be established in a Member State.**

WHO CAN BE FUNDED

- **Legal entities established in a Member State or an Associated Country can be financed.** Entities based in <u>a non-associated third country must independently bear the cost of their participation</u> in Horizon Europe. Entities established in non-associated low-middle income third countries and, exceptionally, in other non-associated third countries, can be financed if:

  - The third country is identified in the Work Program adopted by the European Commission; or
  - The European Commission or the funding body considers that the participation of the concerned entity is essential for the implementation of the project.
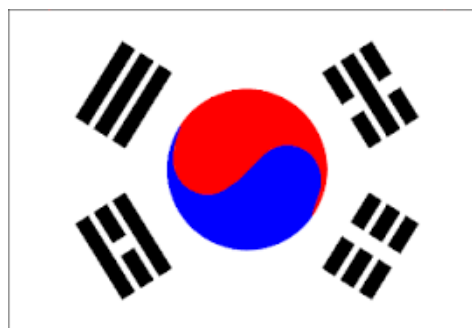
Horizon Europe Programme Guide (International cooperation and association)

APRE

Country association negotiations: state-of-the-art

Potential Associated Countries non-EU Neighbouring Countries:
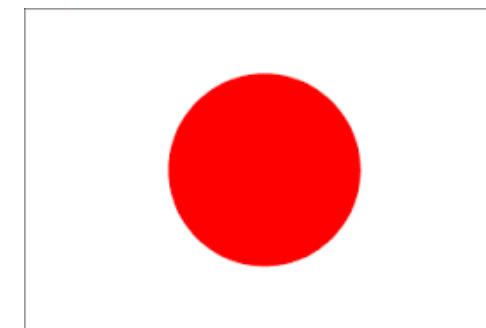
1   **2**   **3**

Negotiations started. Canada association is planned by the end of 2022.

HORIZON EUROPE | (Main) Types of Actions

Research and Innovation Actions (RIA)

100%

- Activities that aim to create new knowledge and/or explore the feasibility of a new or improved technology, product, process, service or solution. They therefore include **basic and applied research**, development and integration of technology, testing, demonstration and validation on a small-scale prototype, in a laboratory or simulated environment.

Innovation Actions (IA)

100%
70% for-profit

- Activities aimed at plan and design new, altered or improved products, processes or services, possibly including **prototyping, testing, demonstration, piloting, large-scale product validation and market replication**.

Coordination and Support Actions (CSA)

100%

- Activities which contribute to the objectives of the program and which are *not* **research and innovation activities** in the strict sense.

APRE

HORIZON EUROPE | (Main) Types of Actions

HORIZON EUROPE	Types of actions[36]	
Research and Innovation Actions (RIAs)	• *EU funding rate*: 100%
	• *Description*: Activities aiming to establish new knowledge and/or to explore the feasibility of a new or improved technology, product, process, service or solution. For this purpose they may include basic and applied research, technology development and integration, testing and validation on a small-scale prototype in a laboratory or simulated environment. Projects may contain closely connected but limited demonstration or pilot activities aiming to show technical feasibility in a near to operational environment.
	(!) In case of Research and Innovation Lump Sum actions (**RIA-LS**), funding for grants awarded will take the form of *lump sums*. For more information on the specificities of Lump Sum actions in H2020, see the video or check the presentation.
Innovation Actions (IAs)	• *EU funding rate*: 70% (except non-profit, which are still funded 100%)
	• *Description*: Activities directly aiming at producing plans and arrangements or designs for new, altered or improved products, processes or services. For this purpose they may include prototyping, testing, demonstrating, piloting, large-scale product validation and market replication.
	(!) In case of Innovation Lump Sum actions (IA-LS), funding for grants awarded will take the form of *lump sums*. For more information on the specificities of Lump Sum actions in H2020, watch the video or check the presentation.
Coordination and support actions (CSAs)	• *EU funding rate*: 100%
	• *Description*: Accompanying measures such as standardisation, dissemination, awareness-raising and communication, networking, coordination or support services, policy dialogues and mutual learning exercises and studies.
	(!) In case of Coordination and support Lump Sum actions (CSA-LS), funding for grants awarded will take the form of *lump sums*. For more information on the specificities of Lump Sum actions in H2020, see the video or check the presentation.

Table 4: HORIZON EUROPE | Types of actions

■ See IDIH Guidebooks!

IDIH
INTERNATIONAL COLLABORATION
DIGITAL TRANSFORMATION
HEALTHY AGEING

D2.1
Guidebook for RDI stakeholders

APRE – AGENZIA PER LA PROMOZIONE DELLA RICERCA EUROPEA

(VERSION 2.0)

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 826092.

APRE
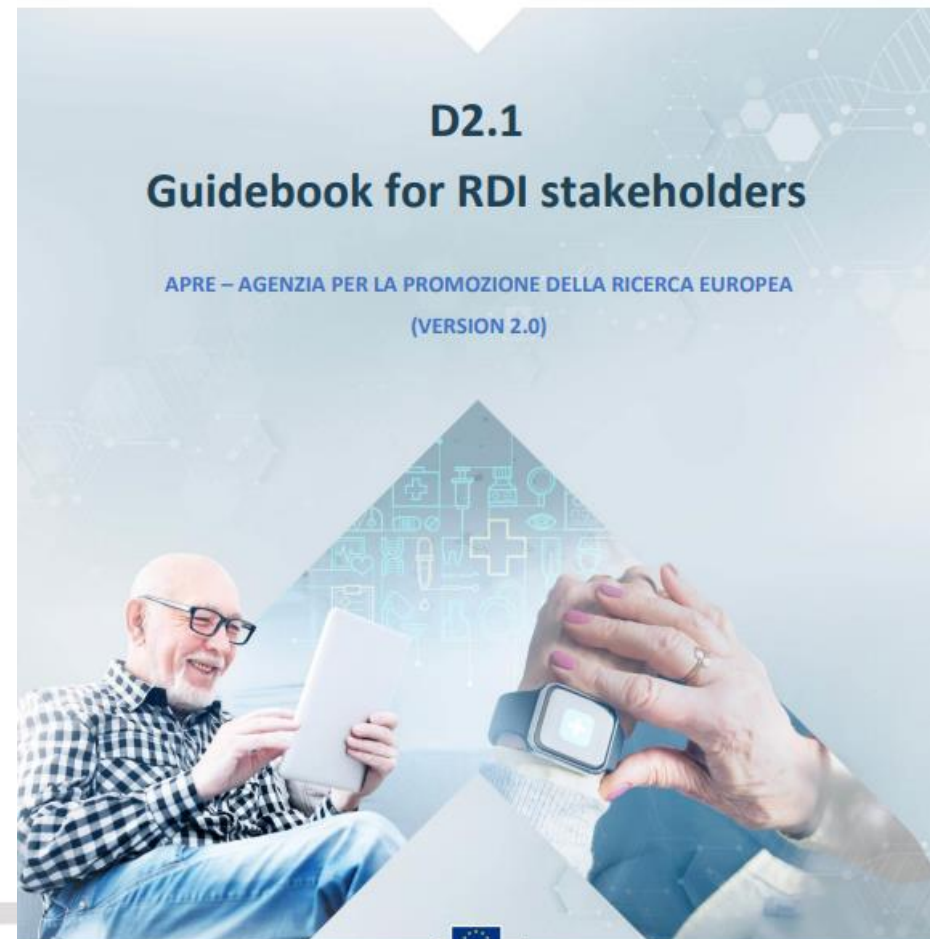
BEYOND CLUSTER 1 | 4. Digital, Industry and Space

- Production technologies
- Advanced materials
- Next Generation Internet
- Circular industries
- Space, including earth observation
- Fundamental digital technologies, including quantum technologies
- Artificial intelligence and robotics
- Advanced Computing and Big Data
- Low CO2 and clean industry
- Key Enabling Technologies

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2021-2022/wp-7-digital-industry-and-space_horizon-2021-2022_en.pdf

*Reinforcing capacities and securing Europe's sovereignty in **key enabling technologies for digitization and production**, and **in space technology**, to build a competitive, digital, **low-carbon and circular industry**; ensure a **sustainable supply of raw materials**; and provide the basis for advances and innovation in all global societal challenges.*

APRE

CLUSTER 4. Digital, Industry and Space

Methods for exploiting data and knowledge for extremely precise outcomes (analysis, prediction, decision support), reducing complexity and presenting insights in understandable way (RIA)
HORIZON-CL4-2022-DATA-01-01

Programme	Horizon Europe (HORIZON)	Status	Open for submission
Type of action	HORIZON Research and Innovation Actions	Deadline model	single-stage
Opening date	23 November 2021	Deadline date	05 April 2022 17:00:00 Brussels time

Extreme data mining, aggregation and analytics technologies and solutions (RIA)
HORIZON-CL4-2022-DATA-01-05

Programme	Horizon Europe (HORIZON)	Status	Open for submission
Type of action	HORIZON Research and Innovation Actions	Deadline model	single-stage
Opening date	23 November 2021	Deadline date	05 April 2022 17:00:00 Brussels time

Cognitive Cloud: AI-enabled computing continuum from Cloud to Edge (RIA)
HORIZON-CL4-2022-DATA-01-02

Programme	Horizon Europe (HORIZON)	Status	Open for submission
Type of action	HORIZON Research and Innovation Actions	Deadline model	single-stage
Opening date	23 November 2021	Deadline date	05 April 2022 17:00:00 Brussels time

Programming tools for decentralised intelligence and swarms (RIA)
HORIZON-CL4-2022-DATA-01-03

Programme	Horizon Europe (HORIZON)	Status	Open for submission
Type of action	HORIZON Research and Innovation Actions	Deadline model	single-stage
Opening date	23 November 2021	Deadline date	05 April 2022 17:00:00 Brussels time

Technologies and solutions for data trading, monetizing, exchange and interoperability (AI, Data and Robotics Partnership) (IA)
HORIZON-CL4-2022-DATA-01-04

Programme	Horizon Europe (HORIZON)	Status	Open for submission
Type of action	HORIZON Innovation Actions	Deadline model	single-stage
Opening date	23 November 2021	Deadline date	05 April 2022 17:00:00 Brussels time

*Reinforcing capacities and securing Europe's sovereignty in **key enabling technologies for digitization and production**, and **in space technology**, to build a competitive, digital, **low-carbon and circular industry**; ensure a **sustainable supply of raw materials**; and provide the basis for advances and innovation in all global societal challenges.*

https://ec.europa.eu/info/**funding-tenders**/opportunities/portal/screen/opportunities

APRE

CLUSTER 4. Digital, Industry and Space

2D materials-based devices and systems for biomedical applications (RIA)
HORIZON-CL4-2022-DIGITAL-EMERGING-02-19

`Call for proposal`   `Grant`

Programme	Horizon Europe (HORIZON)	Status	Forthcoming
Type of action	HORIZON Research and Innovation Actions	Deadline model	single-stage
Opening date	16 June 2022	Deadline date	16 November 2022 17:00:00 Brussels time

Pushing the limit of physical intelligence and performance (RIA)
HORIZON-CL4-2022-DIGITAL-EMERGING-02-06

`Call for proposal`   `Grant`

Programme	Horizon Europe (HORIZON)	Status	Forthcoming
Type of action	HORIZON Research and Innovation Actions	Deadline model	single-stage
Opening date	16 June 2022	Deadline date	16 November 2022 17:00:00 Brussels time

AI, Data and Robotics for Industry optimisation (including production and services) (AI, Data and Robotics Partnership) (IA)
HORIZON-CL4-2022-DIGITAL-EMERGING-02-05

`Call for proposal`   `Grant`

Programme	Horizon Europe (HORIZON)	Status	Forthcoming
Type of action	HORIZON Innovation Actions	Deadline model	single-stage
Opening date	16 June 2022	Deadline date	16 November 2022 17:00:00 Brussels time

Increased robotics capabilities demonstrated in key sectors (AI, Data and Robotics Partnership) (IA)
HORIZON-CL4-2022-DIGITAL-EMERGING-02-07

`Call for proposal`   `Grant`

Programme	Horizon Europe (HORIZON)	Status	Forthcoming
Type of action	HORIZON Innovation Actions	Deadline model	single-stage
Opening date	16 June 2022	Deadline date	16 November 2022 17:00:00 Brussels time

Reinforcing capacities and securing Europe's sovereignty in key enabling technologies for digitization and production, and in space technology, to build a competitive, digital, low-carbon and circular industry; ensure a sustainable supply of raw materials; and provide the basis for advances and innovation in all global societal challenges.

https://ec.europa.eu/info/**funding-tenders**/opportunities/portal/screen/opportunities

APRE

BEYOND PILLAR 2 | PILLAR 1

Strengthen and extend the excellence of the Union's science base

ERC – European Research Council	MSCA - Marie Skłodowska- Curie Actions	Research Infrastructures
Frontier research carried out by the best researchers and their groups	Researchers' Mobility and Training to provide them with new knowledge and skills	Integrated and interconnected world-class research infrastructures
■ *Excellence* as the only criterion, ■ Support for the *individual* scientist – no networks! ■ Global peer-review ■ *Bottom-up, all fields of science*	■ *Bottom up, open to all domains of R&I* ■ Open to the whole **world** ■ Supervision, mentoring, career guidance and career development ■ Participation of both academic and non- academic (private) sector organisations	■ Enabling an operational European Open Science Cloud (**EOSC**) ecosystem ■ For frontier research and for **challenge- driven research** (e.g. health research, and green and digital transformation)
€ 16.8 billion (current prices)	€ 6,9 billion (current prices)	€ 2,5 billion (current prices)

Marie Skłodowska- Curie Actions (MSCA) is a programme that intends to facilitate cross-border and cross-sector mobility and training of researchers. The MSCA are the **main instrument at EU-level for attracting researchers from third countries to Europe,** thus making a major contribution to global cooperation in research and innovation.
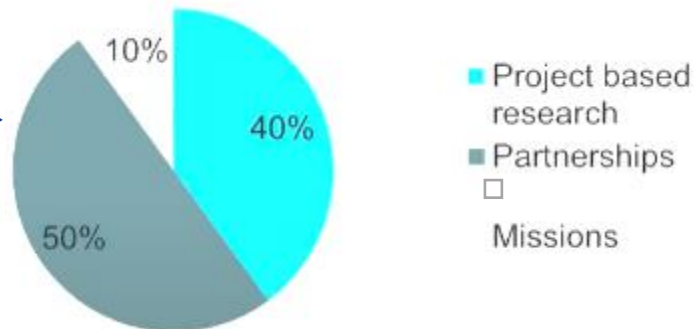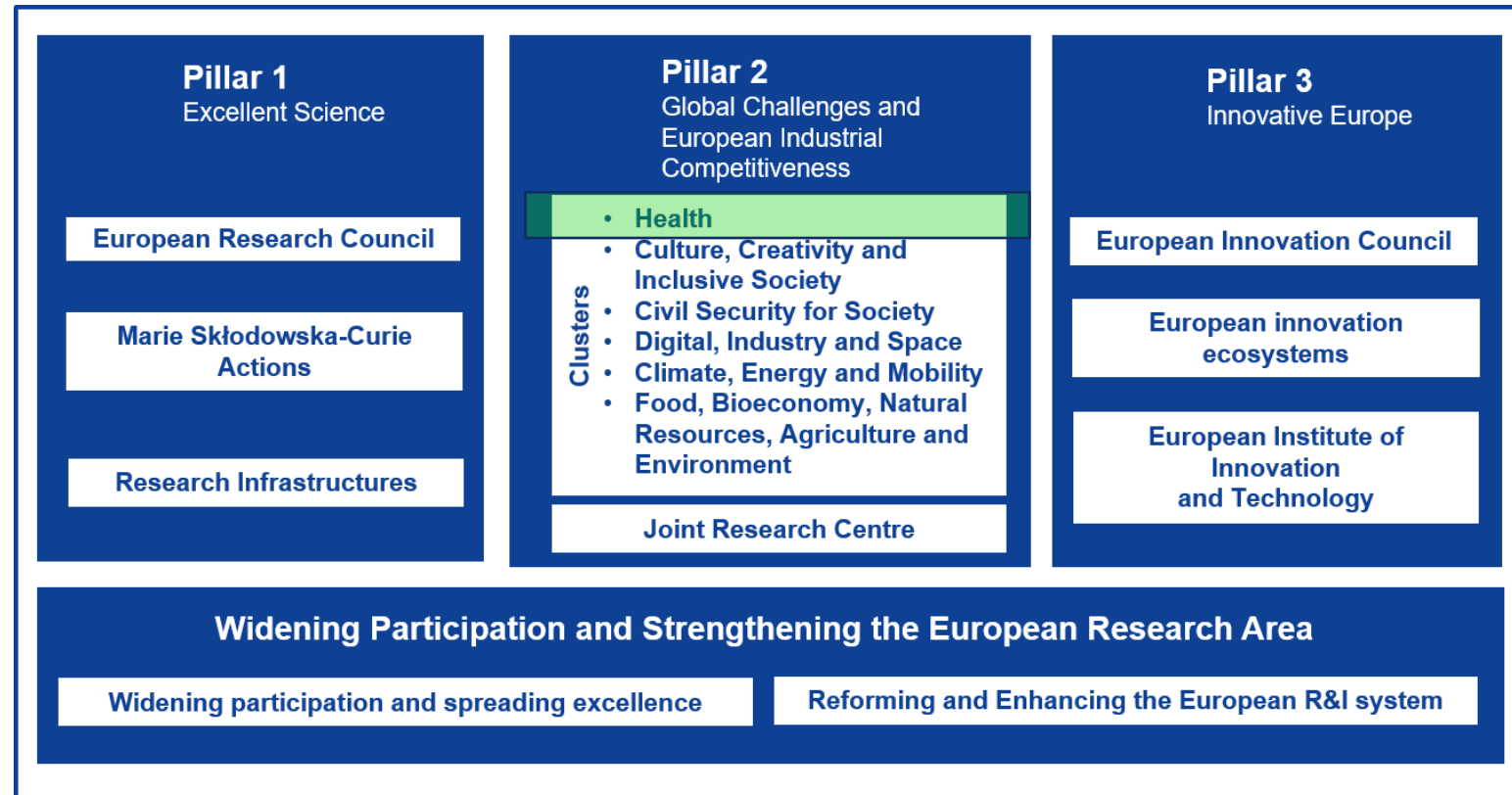
Cluster 1 Health

HORIZON EUROPE (2021 – 2027)

- € 95,5 billion
- Pillar 2: € 53,52 bn
- **Health**: € 8,25 bn

(*15% of all Clusters*)

- Project based research (40%)
- Partnerships (50%)
- Missions (10%)

Pillar 1 Excellent Science	Pillar 2 Global Challenges and European Industrial Competitiveness	Pillar 3 Innovative Europe
European Research Council	**Clusters** • Health • Culture, Creativity and Inclusive Society • Civil Security for Society • Digital, Industry and Space • Climate, Energy and Mobility • Food, Bioeconomy, Natural Resources, Agriculture and Environment	European Innovation Council
Marie Skłodowska-Curie Actions		European innovation ecosystems
Research Infrastructures	Joint Research Centre	European Institute of Innovation and Technology

Widening Participation and Strengthening the European Research Area

Widening participation and spreading excellence | Reforming and Enhancing the European R&I system

APRE

SPECIFIC OBJECTIVES
Cluster Health

Areas of intervention

Improving and protecting the health of citizens at all ages, by developing innovative solutions to prevent, diagnose, monitor, treat and cure diseases; mitigating health risks, protecting populations and promoting good health; making public health systems more cost-effective, equitable and sustainable; and supporting and enabling patients' participation and self-management.

- Health throughout the life course
- Non-communicable and rare diseases
- Tools, technologies and digital solutions for health and care, including personalised medicine
- Environmental and social health determinants
- Infectious diseases, including poverty-related and neglected disease
- Health care systems

APRE

EC Policy priorities for Cluster 1 Health

- Directive on patients' rights in cross-border healthcare;

- Political declaration on prevention & control of non-communicable diseases;

- Europe's beating cancer plan

- Commission Communication on effective, accessible and resilient health systems;

- Commission Communication on upgrading the single market (and its proposed health technology assessments initiative);

- Council conclusions on nutrition and physical activity;

- Council conclusion on personalized medicine and pharmaceuticals;

- Council conclusions on strengthening the balance in the pharmaceutical systems in the EU and its Member States;

- EU One Health Action Plan against Antimicrobial Resistance; Ostrava Declaration on Environment and Health;

- Commission Communication on the digital transformation of health and care;

- Council recommendation on strengthened cooperation against vaccine preventable diseases;

- Commission Communication 'European Plastics Strategy for a Circular Economy, Commission Communication 'Towards a Comprehensive European Union Framework on Endocrine Disruptors';

- Commission Communication 'European Union Strategic Approach to Pharmaceuticals in the Environment';

- EU decision on a General Union Environment Action Programme to 2020 'Living well, within the limits of our planet'

APRE

WORK PROGRAMME "HEALTH" 2021-2022
6 Destinations

1. **Staying Healthy in a rapid changing society**
2. **Living and working in a health-promoting environment**
3. **Tackling diseases and reducing disease burden**
4. **Ensuring access to innovative, sustainable and high-quality health care**
5. **Unlocking the full potential of new tools, technologies and digital solutions for a healthy society**
6. **Maintaining an innovative, sustainable and globally competitive health industry**

APRE

CLUSTER *HEALTH* | DESTINATION 1

Staying healthy in a rapidly changing society

Health throughout the Life Course

Environmental and Social Health Determinants

- Focus on major societal challenges that are part of the European Commission's political priorities, notably **diet and health** (obesity), ageing and demographic change, mental health, **digital empowerment** in health literacy, and **personalised prevention**.
- New evidences, methodologies and tools for understanding the transition from health to disease.
  - *Budget: 289 mill Eur*

TOPICS 2022:

✓ Personalised blueprint of chronic inflammation in health-to-disease transition – RIA

Deadline: 21 April 2022 – SINGLE STAGE

APRE

CLUSTER *HEALTH* | DESTINATION 2

Health throughout the Life Course

Environmental and Social Health Determinants

⌐ **Living and working in a health-promoting environment***

- Understanding of the impacts on our health and well-being of **those environmental, occupational and socio-economic risk factors** that have the most significant or widespread societal impacts.
- **Indoor and outdoor air pollution**, chemicals, **non-ionizing radiation** (electromagnetic fields), **urbanisation**, climate and other environmental changes, socio-economic inequalities, and changing **working environments**.

Budget: 350 mill Eur

* *Strong link with European Green Deal*

TOPICS 2022:
- ✓ Methods for assessing health-related costs of environmental stressors – RIA

Deadline : 21 April 2022 – SINGLE STAGE

CLUSTER *HEALTH* | DESTINATION 3

Environmental and Social Health Determinants

Non-communicable and Rare Diseases

Infectious diseases

◸ Tackling diseases and reducing disease burden

▪ **Cancer** and other **non-communicable diseases,** better diagnosis and treatment **of rare diseases,** preparedness and response to and surveillance of **health threats and epidemics, antimicrobial-resistant infections,** vaccination, **demographic change, mental health** and digital empowerment in health literacy.

Budget: 490 mill Eur

* Links with Europe's Beating Cancer Plan and EU4Health Programme

TOPICS 2022:

✓ Pandemic preparedness - RIA
✓ Non-communicable diseases risk reduction in adolescence and youth (Global Alliance for Chronic Diseases - GACD) - RIA
✓ Support for the functioning of the Global Research Collaboration for Infectious Disease Preparedness (GloPID-R) – CSA
✓ European partnership fostering a European Research Area (ERA) for health research– Programme Co-fund Action

Deadline: 21 April 2022 – SINGLE STAGE

APRE

CLUSTER _HEALTH_ | DESTINATION 4

Health throughout the Life Course

Tools, Technologies and Digital Solutions for Health and Care

Health Care Systems

⌐ **Ensuring access to innovative, sustainable and high-quality care***

- Modernising **health care systems in the EU**, improving the **quality of health care** along the entire health care continuum and being people-centred, supporting **evidence-based health care decisions**, enhancing **development and uptake of innovative health care services and solutions**.

Budget: 240 mill Eur

* Synegies with <u>EU4Health Programme</u>

TOPICS 2022:
- ✓ Pre-commercial research and innovation procurement (PCP) for building the resilience of **health care systems in the context of recovery** - PCP
- ✓ Public procurement of innovative solutions (PPI) for building the resilience of **health care systems in the context of recovery** – PPI
- ✓ Better **financing models for health systems** – RIA
- ✓ European partnership on **transforming health and care systems** – Programme Co-fund Action

Deadline: 21 April 2022 – SINGLE STAGE

APRE

CLUSTER _HEALTH_ | DESTINATION 5

Tools, Technologies
and Digital Solutions
for Health and Care

⊓ Unlocking the full potential of new tools, technologies and digital solutions for a healthy society

- Promote the development of tools, technologies and digital solutions for treatments, medicines, medical devices and improved health outcomes, taking into consideration safety, effectiveness, appropriateness, accessibility, comparative value-added and fiscal sustainability as well as issues of ethical, legal and regulatory nature.

Budget: 270 mill Eur

* [!] European Health Data Space to promote the exchange of health data and international research.

TOPICS 2022:
- ✓ Optimizing effectiveness in patients of existing prescription drugs for major diseases (except cancer) with the use of biomarkers - RIA
- ✓ New methods for the effective use of real-world data and/or synthetic data in regulatory decision-making and/or in health technology assessment – RIA

Deadline: 21 April 2022– SINGLE STAGE

APRE

CLUSTER *HEALTH* | DESTINATION 6

Health Care Systems

Tools, Technologies and Digital Solutions for Health and Care

⊐ **Maintaining an innovative, sustainable and globally competitive health industry**

- Adoption of technologies and innovations able to integrate key players on the value chain.
  - EU health industry more competitive, sustainable and strategically autonomous.

Budget: 113 mill Eur

TOPICS 2022:
- ✓ Enhancing cybersecurity of connected medical devices - RIA
- ✓ Scaling up multi-party computation, data anonymization techniques, and synthetic data generation – RIA
- ✓ New pricing and payment models for cost-effective and affordable health innovations – RIA
- ✓ Setting up a European Smart Health Innovation Hub – CSA
- ✓ Setting up a European Electronic Health Record Exchange Format (EEHRxF) Ecosystem - CSA

Deadline : 21 April 2022 – SINGLE STAGE

APRE

EU | International Cooperation

- **Collaborative research and innovation initiatives**, including **targeted initiatives and projects** with partners from key third countries and regions in strategic areas of mutual benefit under all clusters, including the Missions and the European Partnerships.

- **International mobility and cooperation in frontier research** and support to brain circulation and the internationalisation of EU innovative companies, **in particular through activities in Pillars I and III.**

- **EU participation and leadership in multilateral alliances**, such as those related to tackling climate change, sustainable food and nutrition security, biodiversity decline, environmental degradation, global health issues, e.g. antimicrobial resistance, infectious diseases, and other threats to global health, gaining access to and sharing research and observation data, and **taking account of international collaboration programmes between European countries and third countries**.

- **Policy dialogues with third countries and regions** aiming at **reinforcing at a strategic level the cooperation in research and innovation**, including by the promotion of open science policies and the development of commonly accepted approaches to research ethics and integrity, as well as safety and quality standards and the life-cycle assessment of materials, the regulatory context of manufacturing, digital technologies, and consumer products and services.

Main areas for international cooperation in HEALTH and activities to be aligned with R&I of third countries/regions at major scale or to be carried out in cooperation with organizations in third countries:

- *Infectious diseases, antimicrobial resistances and public health emergencies*
- *Global Health*
- *Personalised medicine*
- *Chronic diseases*
- *Cohorts-based clinical studies of health and diseases*
- *Brain and Mental Health*
- *Impact of the environment on human health*
- *Improving access, sustainability and quality of health care in low- and middle-income countries (LMICs)*

APRE

EU PARTNERSHIP | HEALTH

- **Institutionalized Partnerships:**
  - **Innovative Health Initiative** (2021) (ex-IMI2)
  - **European Partnership for EU-Africa Global Health** (2021) (ex-EDCTP2)

- **Co-funded Partnerships:**
  - **European Partnership for the Assessment of Risks from Chemicals (PARC) (2021)**
  - **European Partnership Fostering an ERA for Health research** (2022)
  - **European Partnership on Transforming Health and Care Systems** (2022)
  - **European Partnership for Personalised Medicine** (2023)
  - **European Partnership on Rare Diseases** (2024)
  - **European Partnership for One Health/AMR Antimicrobial Resistance (AMR) (2024/25)**

Draft proposals of the candidates for European Partnerships in Health:

https://ec.europa.eu/info/horizon-europe/european-partnerships-horizon-europe/candidates-european-partnerships-health_en

APRE

BEYOND HORIZON EUROPE | EU4Health – 4 general objectives

EU4Health will be implemented along <u>ten specific objectives</u> that identify key areas of intervention

- Disease prevention & health promotion;
- International health initiatives & cooperation.

- Prevention, preparedness & response to cross-border health threats;
- Complementing national stockpiling of essential crisis-relevant products;
- Establishing a reserve of medical, healthcare & support staff.

- Enhancement of availability, accessibility & affordability of medicinal products, medical devices and crisis-relevant products

- **Strengthening health data, digital tools & services, digital transformation of healthcare;**
- Enhancing access to healthcare;
- Developing and implementing EU health legislation and evidence-based decision making;
- Integrated work among MS health systems.

Improve & foster health in the Union

Protect people from serious cross-border health threats

Improve access to medicinal products, medical devices, crisis-relevant products
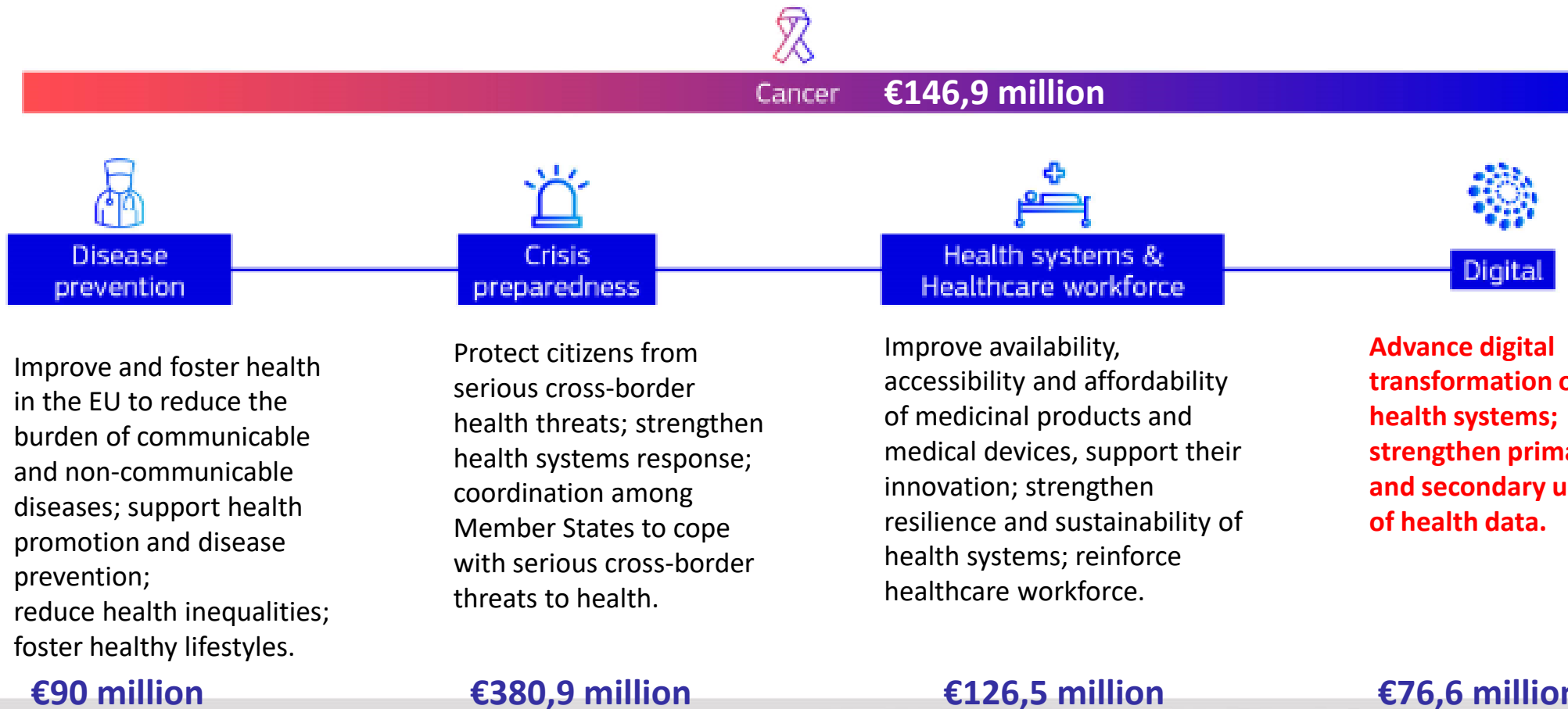
Strengthen health systems

APRE

BEYOND HORIZON EUROPE | EU4Health – Strands of Action

EU4Health supports **a broad range of actions** under the following overarching "strands" with a cross-cutting focus on cancer

Cancer   €146,9 million

Disease prevention	Crisis preparedness	Health systems & Healthcare workforce	Digital
Improve and foster health in the EU to reduce the burden of communicable and non-communicable diseases; support health promotion and disease prevention; reduce health inequalities; foster healthy lifestyles.	Protect citizens from serious cross-border health threats; strengthen health systems response; coordination among Member States to cope with serious cross-border threats to health.	Improve availability, accessibility and affordability of medicinal products and medical devices, support their innovation; strengthen resilience and sustainability of health systems; reinforce healthcare workforce.	**Advance digital transformation of health systems; strengthen primary and secondary use of health data.**
€90 million	**€380,9 million**	**€126,5 million**	**€76,6 million**

APRE

BEYOND HORIZON EUROPE | EU4Health – Eligible Entities

Any **legal entity** established in a **Member State** or an **overseas country or territory** linked to it and any legal entity **created under Union law** or as an **international organisation**

Any legal entities established in a **third country associated** with the Programme or non-associated (exception)

Any legal entity established in a **third country listed in the annual work programme** in accordance with the specific rules of the EU4Health Regulation
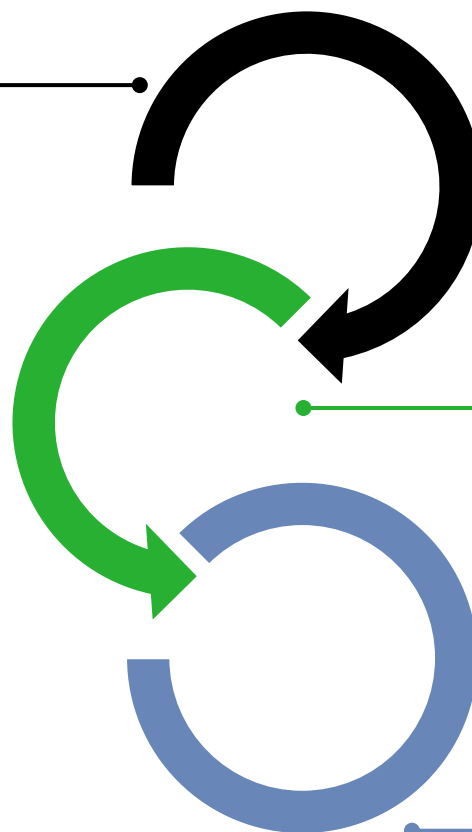
Natural persons are not eligible for grants under the EU4Health Programme!

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Elegibility conditions

BEYOND HORIZON EUROPE | EU4Health – Calls

⊓ Calls published on the EU portal: Funding & tender opportunities/
  Single Electronic Data Interchange Area (SEDIA).

Calls available **HERE**!!!

⊓ *Opening date:* 22 February 2022

⊓ *Deadline date:* **24 May 2022** at 17:00:00 Brussels time

⊓ **Work Programme 2022**

Do you need for info? Please contact your National Focal Point:
https://hadea.ec.europa.eu/system/files/2021-09/210907_NFP_v01.pdf

COST | Networking and Cooperation in Sience & Technology

COST is a funding organisation for the creation of research networks, called **COST Actions**. These *networks* offer an open space for collaboration among scientists across Europe (and beyond) and thereby give impetus to research advancements and innovation.

COST funding intends to complement national research funds, as they are exclusively dedicated to cover collaboration activities, such as *workshops, conferences, working group meetings, training schools, short-term scientific missions, and dissemination and communication activities*.

COST | Main features

- COST is **bottom-up**, this means that researchers can create a **network** – based on their own research interests and ideas – by submitting a proposal to the COST Open Call. *The proposal can be in any science field*. COST Actions are highly interdisciplinary and open.
- It is possible to **join on-going Actions**, which therefore keep expanding over the funding period of four years.
- **Actions** are multi-stakeholder, often involving the private sector, policymakers as well as civil society.

cost

EUROPEAN COOPERATION
IN SCIENCE & TECHNOLOGY

APRE

COST | Networking and Cooperation in Sience & Technology

A COST Action is open to all:

- **science and technology fields** (including trans-, and interdisciplinary, new and emerging fields);
- **institutions** (academia, public institutions, SME/industry, NGO, European/international organisations, etc.);
- **career stages** (both young and experienced);
- COST Members

All the rules for participation in and implementation of COST activities are available here.

Non-COST Members are spread across the Near-Neighbour Countries and International Partner Countries and can join on the basis of mutual benefit.

All the rules for participation in and implementation of COST activities are available here.

WHO

COST | Networking and Cooperation in Sience & Technology

⌐ COST International Partner Country (IPC)

- COST Actions are open to global cooperation and welcome researchers from IPCs to participate on the basis of ascertained mutual benefit, subject to approval.

- COST Members
- COST Partner Member
- COST Near Neighbour Countries
- Third States/International Partner Countries

WHO
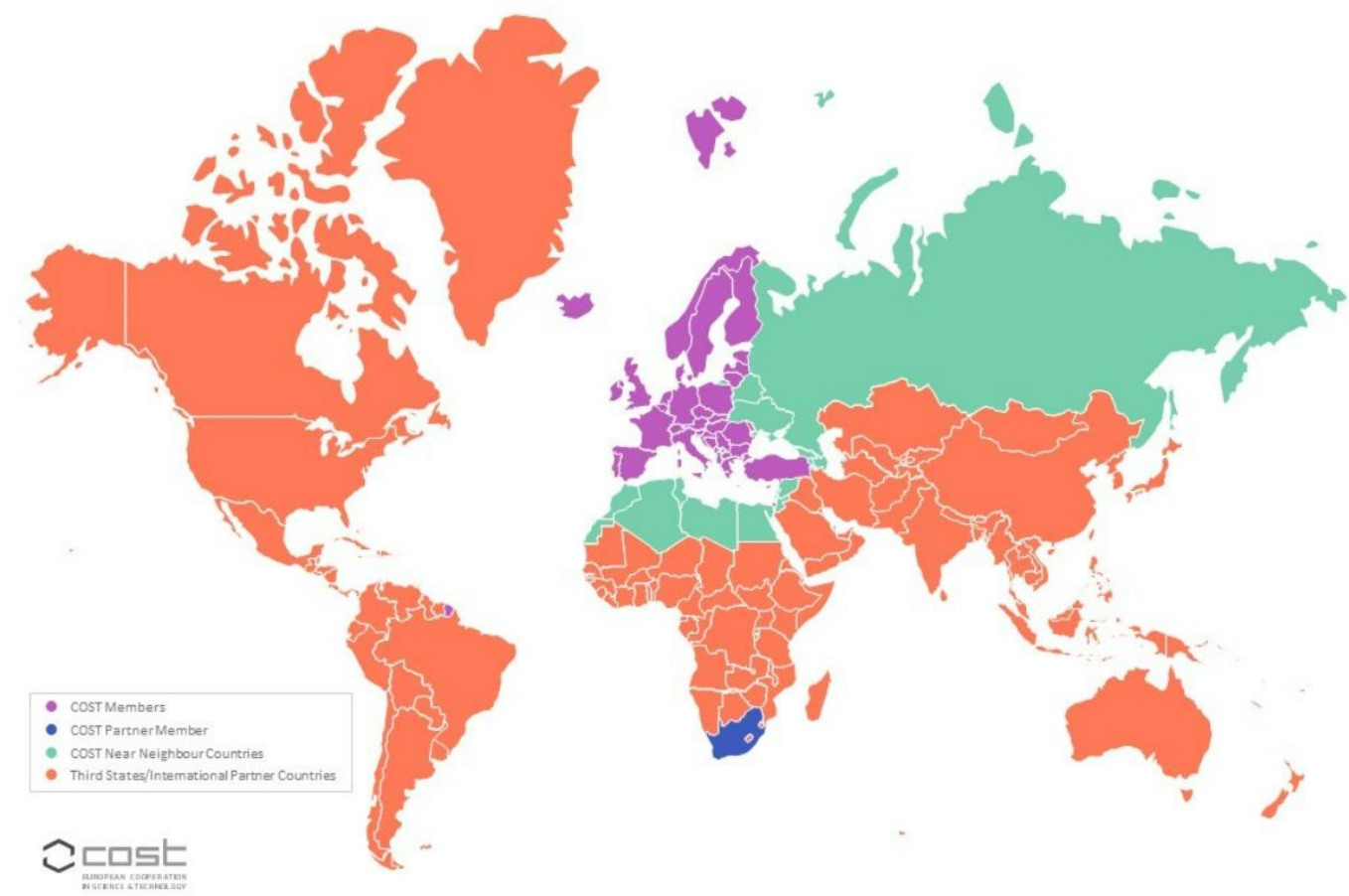
COST | Networking and Cooperation in Sience & Technology

Now **40 new COST Actions** have recently started.

43% of all Actions cover at least two OECD (Organisation for Economic Co-operation and Development) fields of science and technology, while 13% cover at least three fields, clearly highlighting the **multidisciplinary** of the new Actions.
This year, 45% of the main proposers are **women**.

Natural sciences lead the way as the most represented field of science (represented in 45% of the Actions), followed by **engineering and technology** (40%), **medical and health sciences** (25%), social sciences (23%), agricultural sciences (18%) and humanities (8%).

cost
EUROPEAN COOPERATION
IN SCIENCE & TECHNOLOGY

Join a COST Action!

APRE

COST | How to participate

1

The next collection date **will be 20 October 2022 at 12:00 noon (CET)** – *IM... T... plea... made using the new Technical Annex template.

Find out how to join an existing COST Action
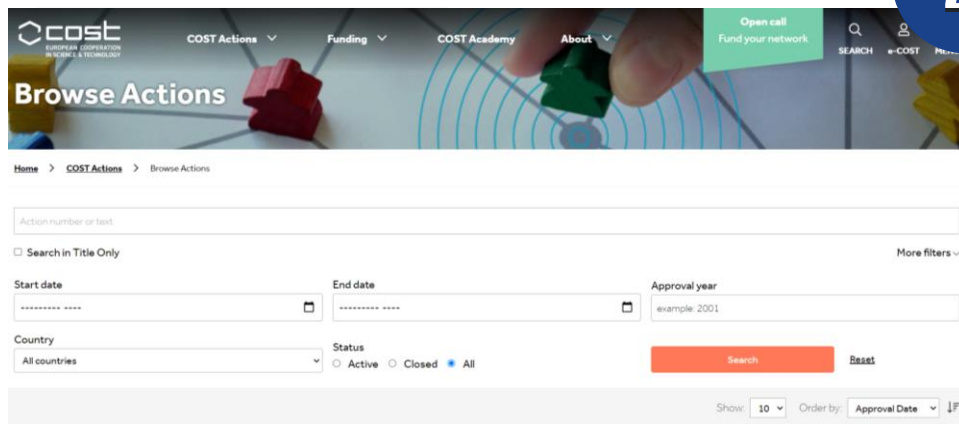
2

Join a COST Action!

Approval process for International Partner Country participants

- Letter of intent from the IPC researcher, based on mutual benefit, to the Action Chair
- Internal approval procedure (appr 20 days)
- Applicant becomes an observer of the Action Management Committee
- The request for joining an Action is made by the individual researcher

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Keep searching your partner in Horizon Europe thanks to NCPs!

- **NCPs** can share with you a Partner Search template
- **Applicants** can promote an expertise offer and/or expertise request.
- **NCPs** can share then among other NCPs your partner search in order to explore new possibilities of collaboration.
- Find your NCP **HERE!**.

Helpdesk: idih@apre.it

IDIH | Long-term matchmaking platform

⌐ Open at: https://idih-week-2021.b2match.io/

⌐ +380 international stakeholders of *Digital Health for Active and Healthy Ageing* (32 %Universities, 30% Companies, 9% R&D Institutions)

Beyond the IDIH Week 2021!

Register now
Open until 30 December 2021

Join the IDIH long-term matchmaking platform!

Networking&Matchmaking among all the key-stakeholders of digital solutions for Active and Healthy Ageing (AHA) in Europe, Canada, China, Japan, South Korea and USA.

As part of the activities of the European project IDIH - International Digital Health Cooperation for Preventive, Integrated, Independent and Inclusive Living, the *IDIH Week 2021* has been a 4 days online event dedicated to researchers, innovators, care providers and users associations dealing with Digital Health for AHA.

Information, Networking&Matchmaking, and Co-creation sessions have been held between June 1 and June 4, involving the key-stakeholders of digital solutions for AHA in Europe and beyond, reaching organizations from Canada, China, Japan, South Korea, USA, and more!

Stakeholders in the field, from all around the world, created their online profile specifying their Area of Activity and/or their expertise request/offer in the Marketplace of the IDIH Week b2match platform.

The platform is now OPEN AGAIN as a long-term matchmaking platform!

So, if you are already registered, you can keep schedule and have meetings with your potential international partners whenever you like until December 31, 2021.

If you are not registered yet, you can do it **here**, then – after creating your online (always editable) profile - you will be enabled to browse the Participants Catalogue and the Marketplace, and request/accept meetings that can be realized via the platform until December 31, 2021.

How to schedule and have a meeting? It's easy! Visit the page B2B| How it works, you will find step-by-step instructions.

[!] FURTHER GUIDANCE ON HOW TO HAVE B2Bs. Check **these instructions** that may help you to access the video conference call directly in the b2match platform.

Contacts

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APRE
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ORGANISED BY

IDIH

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 826092.

RESOURCES

Info Day_June 1_full presentation.pdf
Partnering Day1_June2_full presentation.pdf
Innovation Day_June 4_full presentation.pdf
Guidance on how to have a b2b
Opportunities for International Cooperation.
Guidebook for RDI stakeholders
Opportunities for International Cooperation.
Guidebook for care providers and users

MEETINGS

Participants	286
Meetings	86

PARTICIPANTS

Company	93
University	100
R&D Institution	30
Association/Agency	25
Authority/Government	12
Other	37
Care Provider	15
Total	312

Thank you!

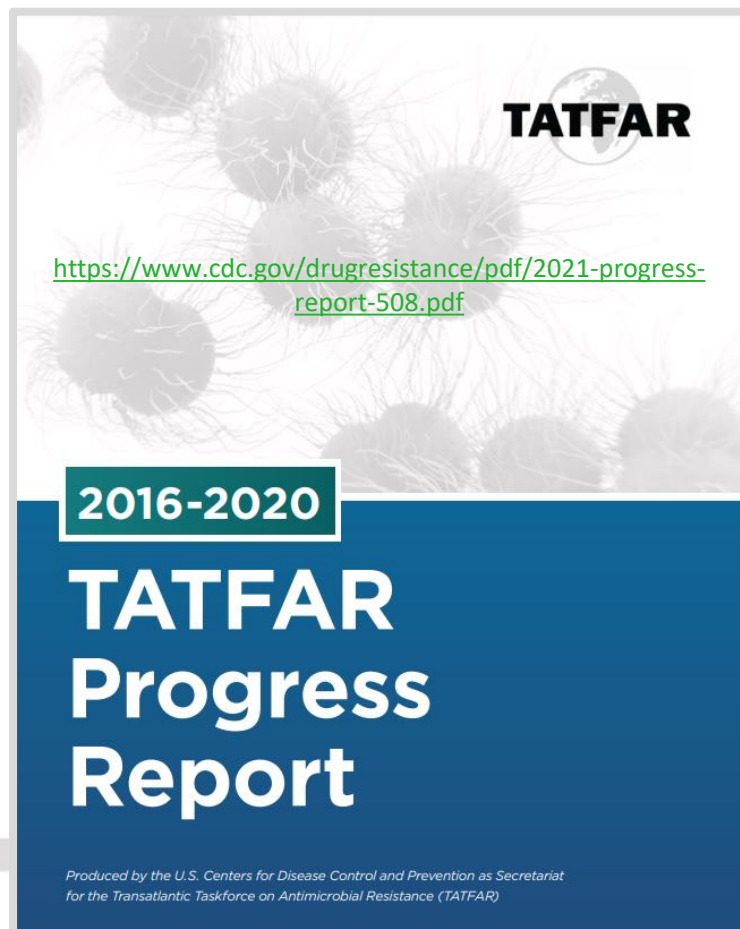Email: debonis@apre.it

Tel. +39 06 48 93 9993

www.apre.it

NEXT: other slides for your information …

EU Global Health Initiatives | Multi-lateral health research activities

⌐ Transatlantic Taskforce on Antimicrobial Resistance (TATFAR)

https://www.cdc.gov/drugresistance/pdf/2021-progress-report-508.pdf

2016-2020

TATFAR Progress Report

Produced by the U.S. Centers for Disease Control and Prevention as Secretariat for the Transatlantic Taskforce on Antimicrobial Resistance (TATFAR)

⌐ While significant progress has been made, concern related to AMR continues to escalate. In October 2015, TATFAR revised its work plan and extended the collaboration for an additional five years (2016-2020).

⌐ In 2021, TATFAR members developed and are soon to adopt a new work plan for collaboration to continue through 2026.

⌐ The taskforce will continue with **11 actions** and establish **7 new actions** for collaboration.

TATFAR's technical experts from **Canada**, the **European Union** (EU), **Norway**, the United Kingdom (**U.K.**), and United States (**U.S**.) collaborate and share best practices to strengthen domestic and global efforts in four Key Areas.

Key Areas of Focus to Reduce the Threat of AMR

- Appropriate antimicrobial use in human and veterinary medicine
- Surveillance and prevention of AMR
- Strategies to improve financial incentives, access, research, and development of antimicrobial drugs, diagnostics, and alternatives
- Cross-cutting actions to improve awareness and disseminate information from TATFAR

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Transatlantic Taskforce on Antimicrobial Resistance (TATFAR)

The taskforce is co-chaired by the Director of the European Commission Public Heath Directorate and U.S. Director of the Pandemics and Emerging Threats Office, Office of Global Affairs, Health and Human Services.

Consultation, External Interaction, and Workshops: The members of the taskforce will seek, where appropriate, to obtain input from the public, interested experts, likeminded groups, and other stakeholders, in accordance with each members' respective process for obtaining public comment, on the specific activities within the framework of the Declaration where member collaboration can be most fruitful. As feasible, meetings to which public participation is invited will be conducted. Where possible, TATFAR will exchange information on progress with corresponding initiatives run by other international organizations working in the same area.

TATFAR's technical experts from **Canada**, the **European Union** (EU), **Norway**, the United Kingdom (**U.K.**), and United States (**U.S.**) collaborate and share best practices to strengthen domestic and global efforts in four Key Areas.

### Key Areas of Focus to Reduce the Threat of AMR

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EU Global Health Initiatives | Multi-lateral health research activities

⌐ **International Initiative for Traumatic Brain Injury Research (InTBIR)**

InTBIR is a cooperative effort of the European Commission (**EC**), the Canadian Institutes of Health Research (**CIHR**) and the National Institutes of Health (**NIH**) to coordinate and leverage clinical research activities on traumatic brain injury (TBI) research

InTBIR

Working together to improve outcomes and lesson the global burden of traumatic brain injury

InTBIR
International Initiative for Traumatic Brain Injury Research
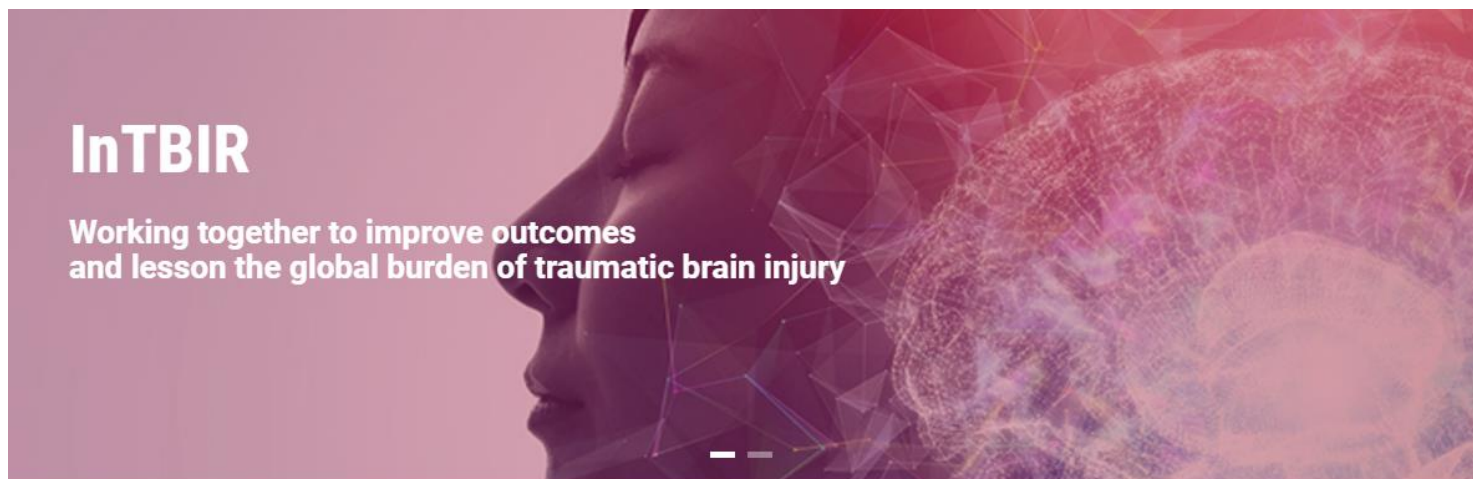
⌐ The role of the funding agencies in this effort will be to enable the open science environment by:

- providing support for the continuation of the **InTBIR Work Groups** *(Biomarkers/Neuroimaging/Data management & Analytics/Policies)*
- encouraging and providing logistical support for **in-person meetings**
- **informing participants of funding and/or scientific opportunities** within their agency.

⌐ As the size and complexity of the InTBIR datasets increase and data sharing efforts advance, there will be a need for funders to consider appropriately sourcing these activities, e.g. to allow for recruiting multi-disciplinary researchers (e.g., bioinformatics, health economist) to assist in the analysis and interpretation of these complex data.

Join InTBIR

If you are associated with a Traumatic Brain Injury study or a project, join us and contribute towards improving the health care and lessen the global burden of TBI.
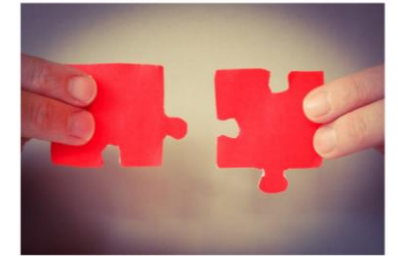
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EU Global Health Initiatives | Multi-lateral health research activities

International Rare Diseases Research Consortium (IRDiRC)

IRDiRC unites national and international governmental and non-profit funding bodies, companies (including pharmaceutical and biotech enterprises), umbrella patient advocacy organizations, and scientific researchers to promote international collaboration and advance rare diseases research worldwide. The coverage of the Consortium is global and involves stakeholders from **Africa, Asia, Australia, North America, and Europe.**

Become a Funders Member (including Companies)

Become a Umbrella Patient Group Member

Interest in Scientific Contribution

Timeline

- Matchmaker Exchange
- Automatable Discovery and Access
- Patient-Centered Outcome Measures
- Small Population Clinical Trials
- Data Mining and Repurposing
- Privacy-Preserving Record Linkage
- Solving the Unsolved
- Model Consent Clauses For Rare Disease Research
- Orphan Drug Development Guidebook
- Patient Engagement in Research
- Working Group on Goal 3
- Indigenous Population
- Clinical Research Networks for RD
- RD Research Treatment Access Working Group
- Chrysalis Project
- Sustainable Economic Models in Drug Repurposing
- Integrating New Technologies for the Diagnosis of Rare Disease
- Shared Molecular Etiologies Underlying Multiple Rare Diseases

| 2015 | S2 | S1 | 2016 | S2 | S1 | 2017 | S2 | S1 | 2018 | S2 | S1 | 2019 | S2 | S1 | 2020 | S2 | S1 | 2021 |

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EU Global Health Initiatives | Multi-lateral health research activities

⫟ International Rare Diseases Research Consortium (IRDiRC)

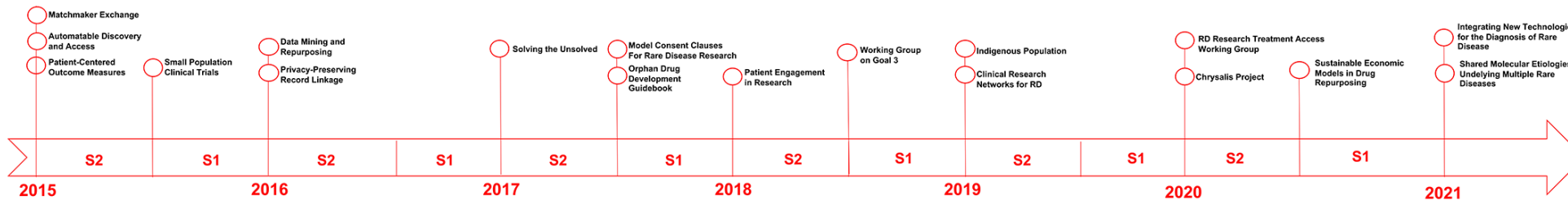**IRDiRC** INTERNATIONAL RARE DISEASES RESEARCH CONSORTIUM

IRDiRC unites national and international governmental and non-profit funding bodies, companies (including pharmaceutical and biotech enterprises), umbrella patient advocacy organizations, and scientific researchers to promote international collaboration and advance rare diseases research worldwide. The coverage of the Consortium is global and involves stakeholders from **Africa, Asia, Australia, North America, and Europe.**

Become a Funders Member (including Companies)

⫟ Task Forces & Working Groups:

- Working Group on MedTech for Rare Diseases (upcoming)
- Enabling and Enhancing Telehealth for Rare Diseases Across the Globe (upcoming)
- Primary Care (upcoming)
- Integrating New Technologies for the Diagnosis of Rare Disease (ongoing)
- Shared Molecular Etiologies Underlying Multiple Rare Diseases (ongoing)
- Sustainable Economic Models in Drug Repurposing (ongoing)
- Rare Disease Treatment Access Working Group (ongoing)
- Indigenous Population (ongoing)

Become a Umbrella Patient Group Member

Interest in Scientific Contribution

APRE

EU Global Health Initiatives | Multi-lateral health research activities

⌐ Global Research Collaboration for Infectious Disease Preparedness (GloPID-R)

- GloPID-R is a network of research funding organizations in the area of infectious disease preparedness research, aimed to **facilitate an effective research response of a new or re-emerging infectious disease** with epidemic and pandemic potential, in order to save lives and economies worldwide.

- GloPID-R has **32 members** worldwide. The World Health Organization, the Coalition for Epidemic Preparedness Innovations (CEPI), the European & Developing Countries Clinical Trials Partnership (EDCTP) and ESSENCE on Health Research initiative are also actively engaged in the network.

  - HHS – Department of Health and Human Services (US)
  - Bill and Melinda Gates Foundation (US)

EU Global Health Initiatives | Multi-lateral health research activities

Global Research Collaboration for Infectious Disease Preparedness (GloPID-R)

- GloPID-R is also actively involved in systemic preparedness, connecting **clinical trial networks**, building a framework for **data sharing** and improving the rapid delivery of **research funding**.

PREPAREDNESS

GloPID-R prepares for upcoming outbreaks by analyzing the current state of knowledge and preparedness and identifying gaps as possible areas for funding. With our international partners, we identify priority areas and create working groups, develop videos and publications, and host workshops on these topics. Together, we are preparing the response to the next epidemic.

Discover the work GloPID-R is doing in advance of the next outbreak.

Chikungunya
Evaluating research gaps and making recommendations for funding.

Clinical Trial Networks
Creating links between clinical trial networks and addressing challenges in capacity building or trial implementation in the midst of a crisis.

Data Sharing
Building the first international framework to facilitate data sharing during public health emergencies.

Social Science Research
Raising awareness about the vital role social science research plays in understanding infectious diseases.

Long-Term Research
Identifying scientific gaps and addressing research challenges through a Long-Term Research Agenda.

Funding
Working to improve the rapid delivery of funds to research projects when a crisis strikes.

RESPONSE

GloPID-R anticipates upcoming epidemics and responds rapidly when an outbreak is of major concern. We facilitate research at the outset of an epidemic to understand and fight emerging or re-emerging pathogens, accelerate results and develop diagnostics, vaccines and therapeutics.

Discover the actions GloPID-R has taken in relation to recent outbreaks.

Novel Coronavirus COVID-19
GloPID-R working with WHO to facilitate and coordinate a rapid research response.

Ebola
Aligning with WHO to coordinate rapid funding for urgent research projects.

Plague
Bringing together scientific experts provide research recommendations to 2017 plague outbreak in Madagascar.

Yellow Fever
This group focused on effectiveness of fractional dosing in 2016 outbreak in Angola.

ZIKA
When the Zika virus struck, GloPID-R quickly mobilized to produce funding, publications and workshops.

CHECK "RESOURCES": current list of downloadable learning resources of **funding opportunities, webinars** and **publications**, all of which have been developed by GloPID-R members

https://www.glopid-r.org/resources/

GLoPID-R
Global Research Collaboration for Infectious Disease Preparedness

APRE

EU Global Health Initiatives | Multi-lateral health research activities

▱ **Global Alliance for Chronic Diseases (GACD)**