IDIH
INTERNATIONAL COLLABORATION DIGITAL TRANSFORMATION HEALTHY AGEING

IDIH WEEK 2022

Partnering Day
(March 22, 9.00 – 11.00 CET)

Join the Q&A with Slido:

Join at
slido.com
#IDIH

[!] RECORDED FOR REPORTING & DISSEMINATION

CONCEPT | **Partnering Days** will be dedicated to the presentation – through a short *pitch* – of ongoing projects (for results dissemination/exploitation purposes), new ideas for project cooperation and expertise offers/requests by the organizations working internationally in the field of Digital Health for Active and Health Ageing. All organizations included in the agenda have freely applied to have a pitch.

AGENDA (9.00 – 10.00 CET/17.00 – 18.00 JST&KST) Pitch duration: 5-7 minutes	
IDIH	Welcome and introduction
Alexander Nikolov	PlatformUptake.eu
Matthew Lariviere	University of Bristol
Marco Berzano	(Univpm) Università Politecnica delle Marche
Niko Lankinen	Gavon Ltd.
Toshimi Ogawa	eVita project
Mattia Pirani	I2grow
Albert Valls	endocore lab srl
Fernando Salvetti	Logosnet
Pier Giuseppe Meo	Hassisto

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

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

		MONDAY	TUESDAY	WEDNESDAY	THURSDAY
Asian slots	Hour 1	INFO DAY	PITCH DAY 1	Japan Regional Workshop	INNOVATION DAY
	Hour 2				
American slots	Hour 3	US Regional Workshop (17.00– 19.00 CET/11.00–13.00 EST/8.00 10.00 PST)	2°PLC Meeting (Reserved to Policy Makers)	PITCH DAY 2	INNOVATION DAY
	Hour 4				
		March 21	March 22	March 23	March 24

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Join the IDIH Week 2022 | March 21 – March 24

IDIH WEEK 2022

https://health-innovation-community-platform.b2match.io/

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

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY
Asian slots — Hour 1, Hour 2	INFO DAY	PITCH DAY 1	Japan Regional Workshop	INNOVATION DAY
American slots — Hour 3, Hour 4	US Regional Workshop (17.00 – 19.00 CET/11.00 – 13.00 EST/8.00 10.00 PST)	2ⁿᵈ PLC Meeting (Reserved to Policy Makers)	PITCH DAY 2	INNOVATION DAY
	March 21	March 22	March 23	March 24

- **INFO DAY (March 21, 9.00 - 11.00 CET)**
  This Info Day is dedicated to the IDIH findings and products, as well as to IDIH progress towards sustainability. It will also *highlights* current opportunities for international cooperation in the field of Digital Health for Active and Healthy Ageing.

- **US REGIONAL WORKSHOP (March 21, 17.00 - 19.00 CET)**
  This workshop is dedicated to the US landscape of R&I around Digital Health for AHA. It will focus on how COVID has impacted independent and connected living of the older persons with the perspective of start-ups, investors, and the patients themselves. A session will be dedicated to Q&A with the audience.

- **PARTNERING DAYS (March 22, 9.00 – 11.00 CET/March 23, 15.00 – 17.00 CET)**
  Partnering Days will be dedicated to the presentation – through a short pitch – of ongoing projects (for results dissemination/exploitation purposes), new project ideas and expertise offers/requests by the organizations working in the field of Digital Health for AHA. Sessions are planned for March 22, 9.00 – 11.00 CET and March 23, 15.00 – 17.00 CET and will be respectively dedicated to Asian and American audience. Do you wish to pitch your project idea or expertise?**Apply HERE! Use this template to send your Flash Presentation to idih@apre.it by March 14.**

- **JAPAN REGIONAL WORKSHOPS (March 23, 9.00 - 11.00 CET)**
  A panel-discussion (in Japanese with English subtitles) will be held with the participation of the Ministry of Internal Affairs and Communication, in charge of HORIZON 2020 in Japan, and some key-players in the R&I landscape in Japan. A session will be dedicated to Q&A with the audience.

- **INNOVATION DAY (March 24, 9.00 – 11.00 CET & 15.00 – 17.00 CET)**
  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: D*ata Governance, Digital Inclusion, Interoperability-by-design*. Thanks to the participation of the **eVita project** and the **North American Chapter International Society for Gerontechnology**, 2 Panel Discussions will further explore these areas highlighting tech challenges and opportunities offered by collaborative research at international level. Co-creation sessions will follow among the panelists, as well as the audience through ad hoc tools for live interactions.

IDIH Short Fact Sheet

- **Full Title:** International Digital Health Cooperation for Preventive, Integrated, Independent and Inclusive Living
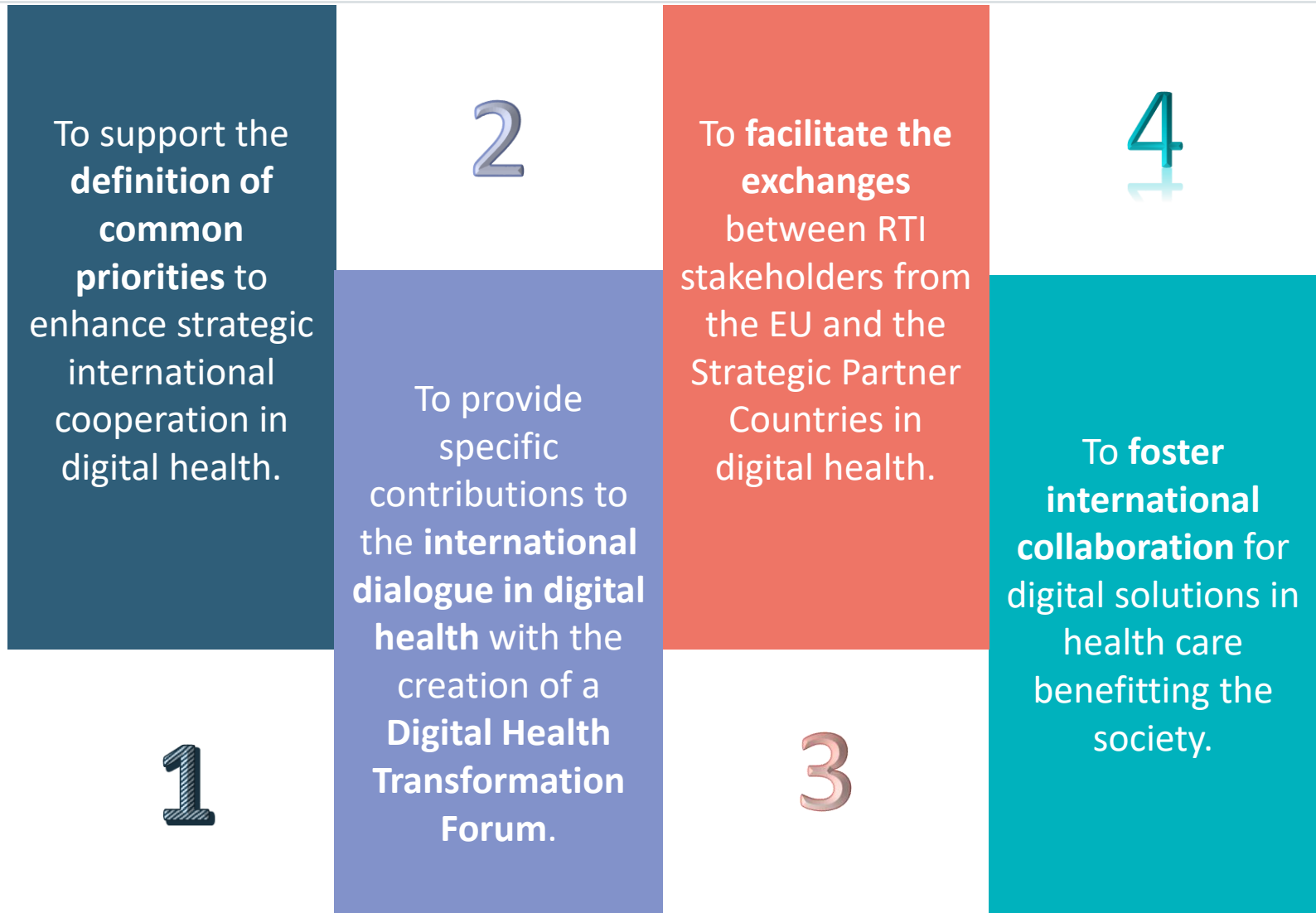
- **Start Date:** 1st May 2019

- **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)

IDIH

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**

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

Four Targeted Objectives

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

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

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

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

IDIH Experts Forum

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

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: 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*

IDIH (wider) Community

- IDIH | Long-term matchmaking platform
- Open Community at: https://idih-week-2021.b2match.io/
- **+390 international stakeholders** of Digital Health for Active and Healthy Ageing (32 %Universities, 30% Companies, 9% R&D Institutions)

Towards IDIH Week 2022!

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.

This platform is part of the project IDIH - International Digital Health Cooperation for Preventive, Integrated, Independent and Inclusive Living and works as a Community of Experts where registered participants can exchange and match their interests and expertises in the field, starting building new exciting partnerships!

If you are already registered, you can keep schedule and have meetings with your potential international partners whenever you like until December 31, 2023.

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, 2023.

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.

[!] UPCOMING

IDIH Week 2022 will be held on March 2022: to know more and register, please visit the dedicated section.

Contacts

APRE - Agenzia per la Promozione della Ricerca Europea
Mathilde De Bonis
✉ debonis@apre.it

APRE
Bruno Mourenza
✉ mourenza@apre.it

IDIH

Register now
Open until 31 December 2023

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

Guidance on how to have a b2b
Partnering Day_Flash Presentation_template ppt.pptx
IDIH Week 2022_Programme.jpg

MEETINGS

Participants	328
Meetings	100

PARTICIPANTS

Company	116
University	126
R&D Institution	38
Association/Agency	31
Authority/Government	15
Other	47
Care Provider	18
Total	**391**

https://health-innovation-community-platform.b2match.io/

ENRICH GLOBAL
TAKING EUROPEAN INNOVATION GLOBAL

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

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IDIH PRODUCTS AND SERVICES (I)

1 IDIH Factsheets

Overview of the **digital health research and innovation landscape** in 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

2 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/

Access the factsheets:

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

D2.1
Guidebook for RDI stakeholders

D4.5
Guidebook for care providers and users

IDIH PRODUCTS AND SERVICES (II)

3 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

4 IDIH Long-term Matchmaking Platform

Networking among all key-stakeholders of digital solutions for AHA

Register at: https://idih-week-2021.b2match.io/

- 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 until Dec 31, 2021.

5 IDIH Week 2021 & 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
- Materials available at: https://idih-week-2021.b2match.io/page-4061

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IDIH WEEK 2021
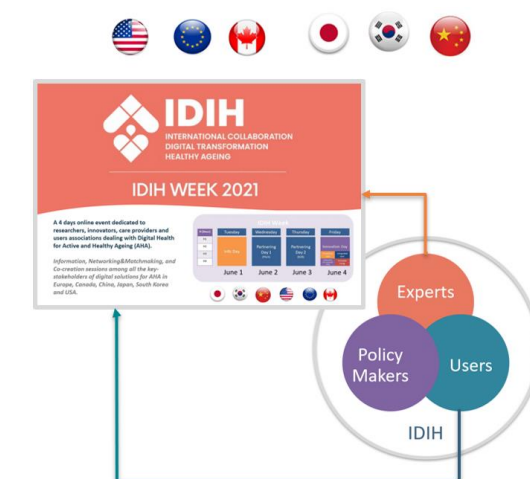
IDIH PRODUCTS AND SERVICES (III)

TIMING

PODCAST 1: March 2021 (Intro HE)

PODCAST 2: July 2021

PODCAST 3: October 2021

PODCAST 4: December 2021

PODCAST 5: January 2021

PODCAST 6: March 2022

Duration: max. 25 minutes

6 IDIH Podcast

- **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 of these **topics**, and a strategic **region** of the world: Europe, China, Canada, Japan, South Korea, and USA.

- Available on 6 platforms

WHERE TO LISTEN

6 IDIH Magazine

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

- 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

IDIH MAG
DIGITAL INNOVATION FOR GLOBAL ACTIVE AND HEALTHY AGEING

IDIH

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

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PlatformUptake.eu

Alexander Nikolov

Research Manager & Project Coordinator
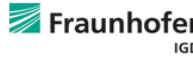
Description of the organization

– PlatformUptake.eu: **Assessing the State of the Art and supporting an evidence-based Uptake and Evolution of Open Service Platforms in the Active and Healthy Ageing Domain**

– Project Type: **Coordination and Support Action**

– Project duration: **29 months (01/01/2020 – 31/05/2022)**

– Partners: **12 from 10 countries**

SYNYO GmbH Research & Development Department Vienna AUSTRIA — 1	**CNR** Institute of science and information technologies Rome ITALY — 2

FRAUNHOFER INSTITUTE FOR COMPUTER GRAPHICS RESEARCH IGD — 3 Darmstadt GERMANY	**UNIVERSIDAD POLITÉCNICA DE MADRID** — 4 Madrid SPAIN
NATIONAL TECHNICAL UNIVERSITY OF ATHENS — 5 Athens Greece	**JOŽEF STEFAN INSTITUTE** — 6 Ljubljana SLOVENIA
AFEDEMY, ACADEMY ON AGE-FRIENDLY ENVIRONMENTS BV — 7 Gouda NETHERLANDS	**CÁRITAS DIOCESANA DE COIMBRA** — 8 Coimbra PORTUGAL
LINKÖPING UNIVERSITY — 9 Linköping SWEDEN	**UNIVERSITAT DE LES ILES BALEARS** — 10 Palma SPAIN
STICHTING SMART HOMES — 11 Eindhoven Netherlands	**ETABLISSEMENTSA LIEVENS LANCKMAN** — 12 Grimbergen Belgium

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IDIH WEEK 2022

Objectives

PlatformUptake.eu

IDENTIFY
success factors of the development and deployment of open platforms in the AHA domain

DEVELOP
data visualisation tools for progress review

ANALYSE
existing platforms to assess their evolution, sustainability and socio-economic benefits

INVOLVE
related stakeholders to initiate knowledge exchange

LEVERAGE
the platform uptake by showcasing best-practice and evaluation guidelines

DISSEMINATE
knowledge to uptake existing platforms and foster future developments

It corresponds to the field «Project Cooperation» in the Martketplace Opportunities of personal profiles in the IDIH Week Platform

Achievements

MOOC

HELP learners understand the use of open platforms, their benefits and how to integrate them in their organizations.

Matchmaking

ORGANISE events to allow players in the field to exploit collaboration opportunities with their counterparts.

Tools

SUPPORT open platforms and end-users to self-assess the uptake of existing open platforms.

Interviews

INTERVIEW providers of open platforms, related projects, care organisations and many others to promote open platforms to end-users.

HUB

FEATURE information on existing open platforms and solutions for active and healthy ageing and support their uptake.

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It corresponds to the field «Partnership» in the Martketplace Opportunities of personal profiles in the IDIH Week Platform

Matchmaking

PlatformUptake.eu

Matchmaking Events!

Involvement → **Registration & upload of pitch** → **Pitch** → **Knowledge exchange & events**

Organisations from the **supply** and **demand** sides **get involved** in the **matchmaking process**.

Interested organisations **register** for the events and **upload their pitch** decks on the Open Information Hub.

Registered for the events **organisations make a pitch** to present their needs and offers.

The „couples" which have participated in the matchmaking events and sent their pitch decks **get engaged**.

PlatformUptake.eu project organises matchmaking events to give providers of open platforms in the AHA domain, developers of technology for active and healthy ageing (apps, sensors, wearables etc.), care organisations and policy makers the **opportunity to realise collaboration opportunities that mutually benefit all parties.** Interested organisations will be able to register on the PlatformUptake.eu Open Information Hub (www.platformuptake.eu) and submit their pitch decks.

Networking Opportunities

PlatformUptake.eu Consortium
12 consortium organisations and connected networks (Universities, SMEs, End user organisations)

45+ Projects and initiatives
AHA, ALA, Health care, IoT etc.

Locations
10 countries in Europe

10+ Projects events
Matchmaking, MOOCs, Open Information Hub Tools, Capability gaps and Innovation needs and more

Networks
IEEE, CEN, IN4AHA, IDIH, 50plus Hellas, SHAFE, Nerosubianco, EEN, NET4Age, ECHAlliance etc.

*It corresponds to the field «Expertise» in the Martketplace Opportunities of personal profiles in the IDIH Week Platform

Matchmaking

PlatformUptake.eu & AAL Austria
MATCHMAKING | # 2

HIGHLIGHT the benefits of your platform's services, present your solution for Active and Assisted Living, share your requrements and needs for digital health care delivery and FIND your partner!

📅 29.04.2022   🕐 10:00 AM - 12:00 PM CET

Hosts:
- SYNYO GmbH
- Lievens-Lanckman

PlatformUptake.eu ↗   **AAL** AUSTRIA

It corresponds to the field «Expertise» in the Martketplace Opportunities of personal profiles in the IDIH Week Platform

Contacts

Thank you for your attention!

Contact us, get involved, stay updated:

office@platformuptake.eu

www.platformuptake.eu

@PlatformUptake

UNIVERSITA' POLITECNICA DELLE MARCHE- UNIVPM

MARCO BERZANO (PhD)

EU Research support officer and manager

Description of the organization

- UNIVPM has about **17000 students** and include five faculties of **Engineering**, **Medicine and Surgery**, **Economics**, **Science and Agriculture**, which permanently employ about **540 academics** and **550 technical/administration staff**. The Faculties are situated on three main campuses in Ancona, but UNIVPM facilities are widespread over all regional territory.

- The academic programmes offer **56 courses**, 10 first and second level post-graduate diplomas, **10 specialization courses**, **36 specialization schools** and **9 Ph.D**. schools.

- UNIVPM has increased its presence at European level due to a high standard in research and industrial collaborations for research and development and innovation. In the previous European Research and Innovation Framework, FP7 and Horizon2020, and in other European research programs UNIVPM has secured funding for over 150 EU projects with a total budget of 36M€ and participated in 25 projects with the role of coordinator.

Research Project for aging well

Socio Bee

https://guardian-aal.eu/

http://www.homes4life.eu/

https://www.e-vita.coach

https://resilien-t.eu/
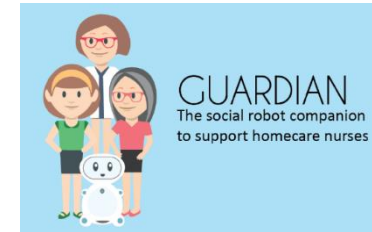
Smart Living Environment

Call H2020-SC1-DTH-2018-2020,topic SC1-HCC-01-2018.

Homes4Life "Certified smart and integrated living environments for ageing well"

http://www.homes4life.eu/
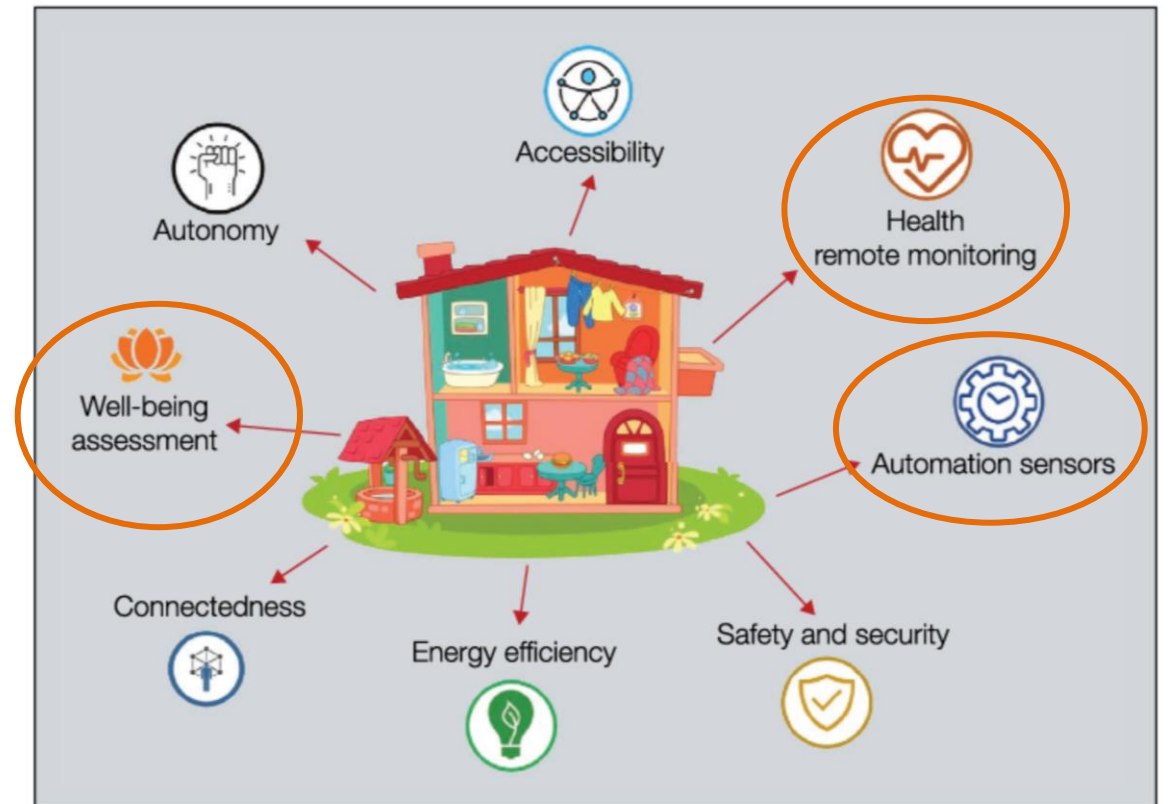
Casaccia, S., Revel, G. M., Cosoli, G., & Scalise, L. (2021). Assessment of domestic well-being: from perception to measurement. *IEEE Instrumentation & Measurement Magazine*, *24*(6), 58-67.

eWare project

2017 – 2020: Call AAL-2016.
eWare "Early Warning (by Lifestyle Monitoring)
Accompanies Robotics Excellence"
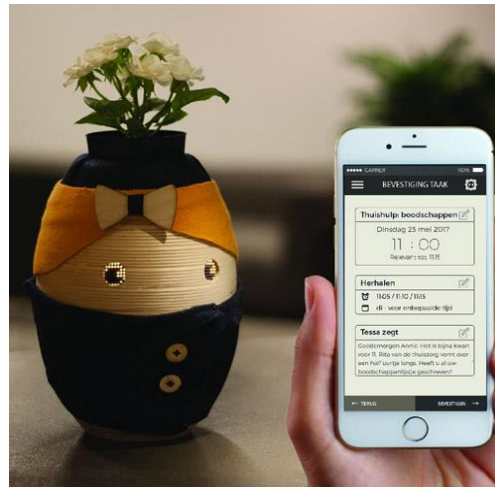
In eWare, sensors and social robot are integrated to improve the life-quality of people with dementia and their caregivers in 4 different countries, Italy, The Netherlands, Norway and Switzerland.

Resilien-T project

2019 – 2022: Call AAL-2018.
RESILIEN-T "Technology driven self-management for building resilience among people with early stage cognitive impairment"

RESILIEN-T, a modular mobile App, will deliver coaching services related to nutrition, physical activity, cognitive exercises, and social relationships. It can be modified to match the user's needs and desires for self-management and self-monitoring.

Guardian project

2020 – 2022: Call AAl-2019.
GUARDIAN: The social robot companion to support homecare nurses

Assistive Social Robot
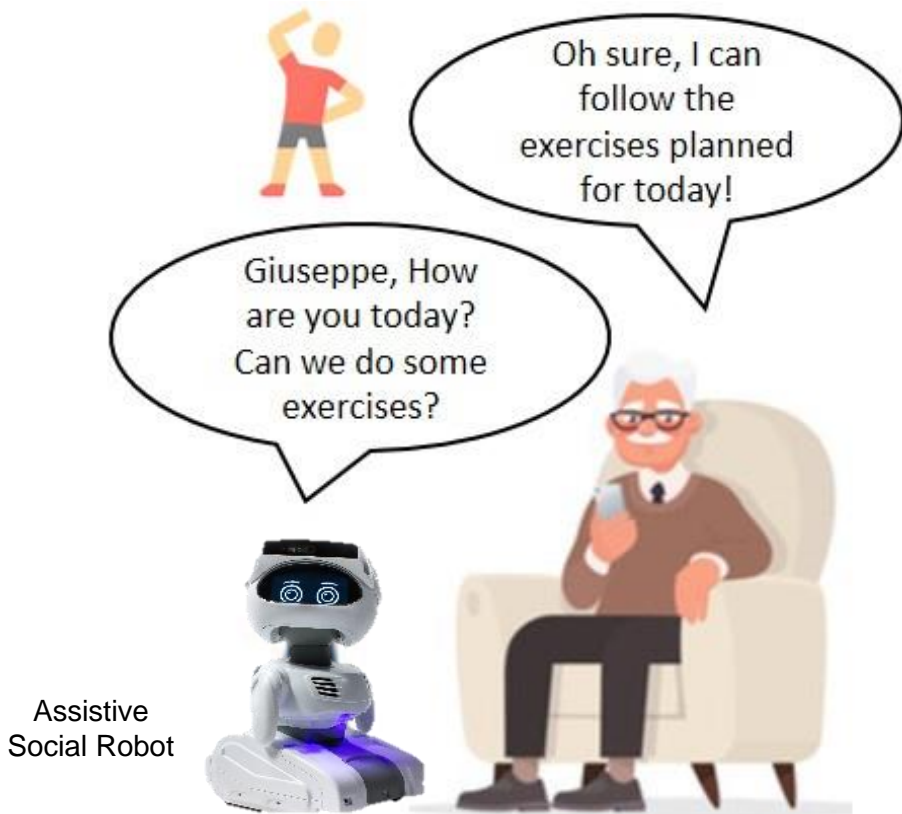
Assistive Social Robot with on board sensors

Artificial Intelligence

- Localization of the user
- Emotion recognition
- Pattern recognition
- Etc...

Coaching advice

HAAL prc ☀ HAAL

2021 – 2023: Call AAL-2020
HAAL: HeAlthy Ageingeco-system for peopLe with dementia.

Cooperation project EU-Taiwan

Artificial Intelligence to measure the behavioural changes and well-being of users
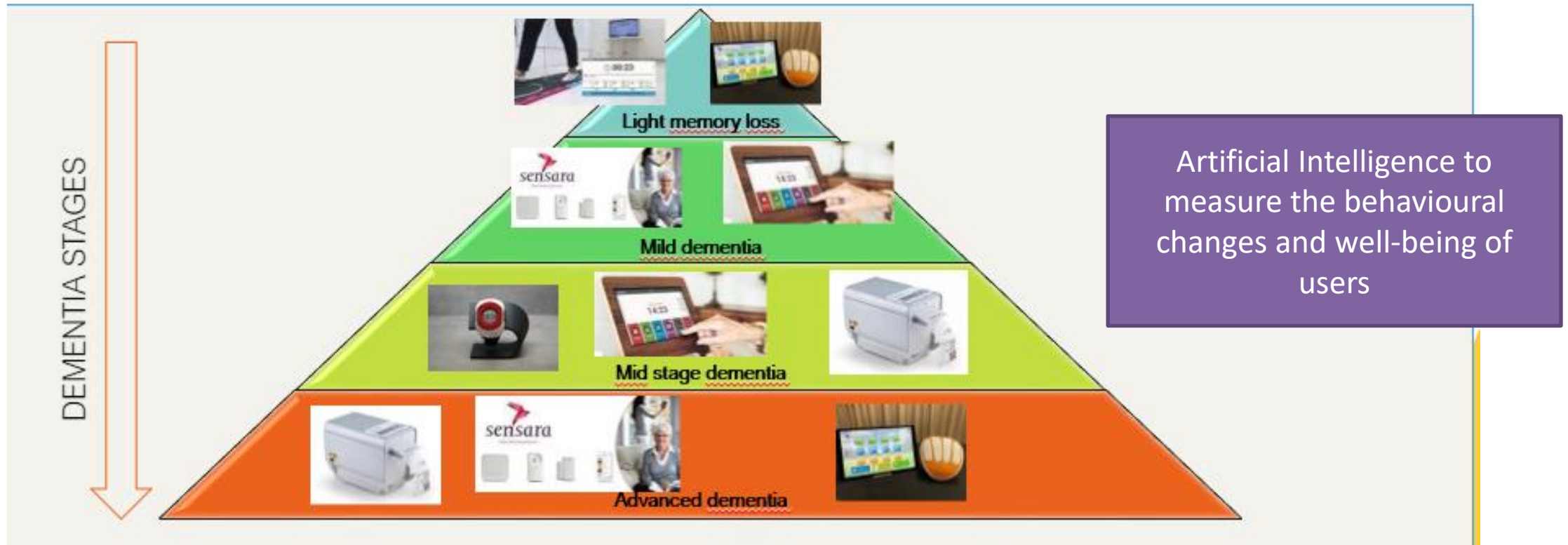
SOCIO-BEE

Socio Bee

2021 – 2024: Call LC-GD-10-3-2020
Socio-BEE "Wearables and droneS fOr CIty Socio-Environmental
Observations and BEhavioral ChangE"

City sensors

Wearables

Drones
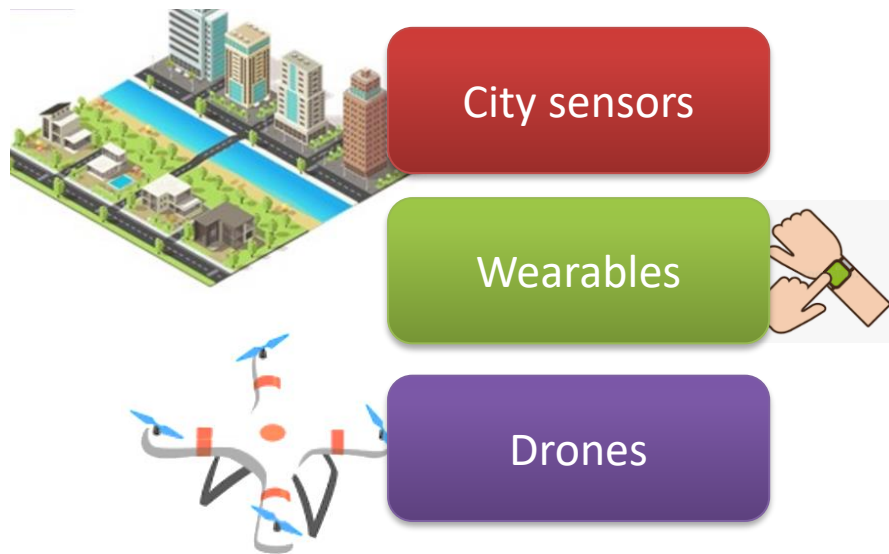
to support **air pollution reduction** initiatives in cities
& citizen involvement that will **create long lasting
effects & behavioral change**

CITIZENS

E-VITA – Virtual Coach for Smart Ageing

https://www.e-vita.coach/

2021 – 2023: Call H2020-SC1 DTH-04
e-Vita "EU-Japan Virtual coach for smart ageing"

Domotic sensors

Innovative monitoring sensors

AI

Coaching Solutions
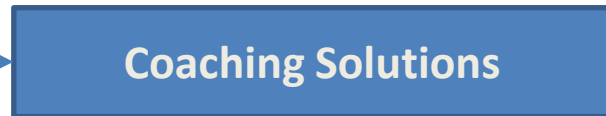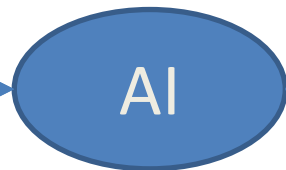
Holograms

Robots

Androids
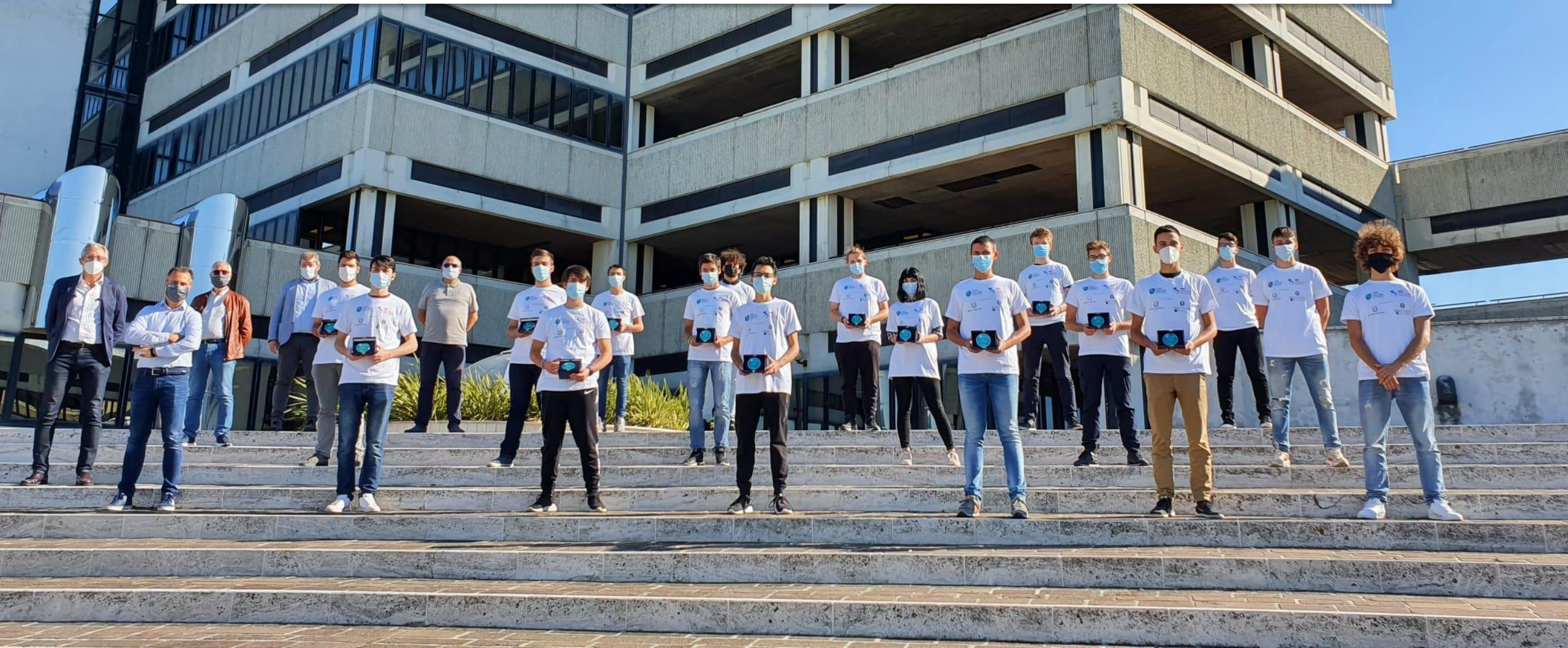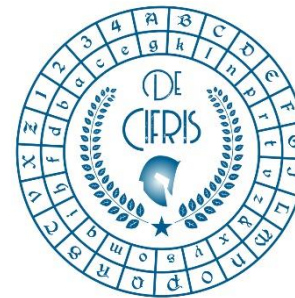
DIGITAL TRANSFORMATION IN HEALTHCARE

Enhanced services

- Telemedicine

- Electronic Health Record (EHR)

- Internet of Medical Things

New concerns

- Cyber attacks

- Data breach

- Cybersecurity
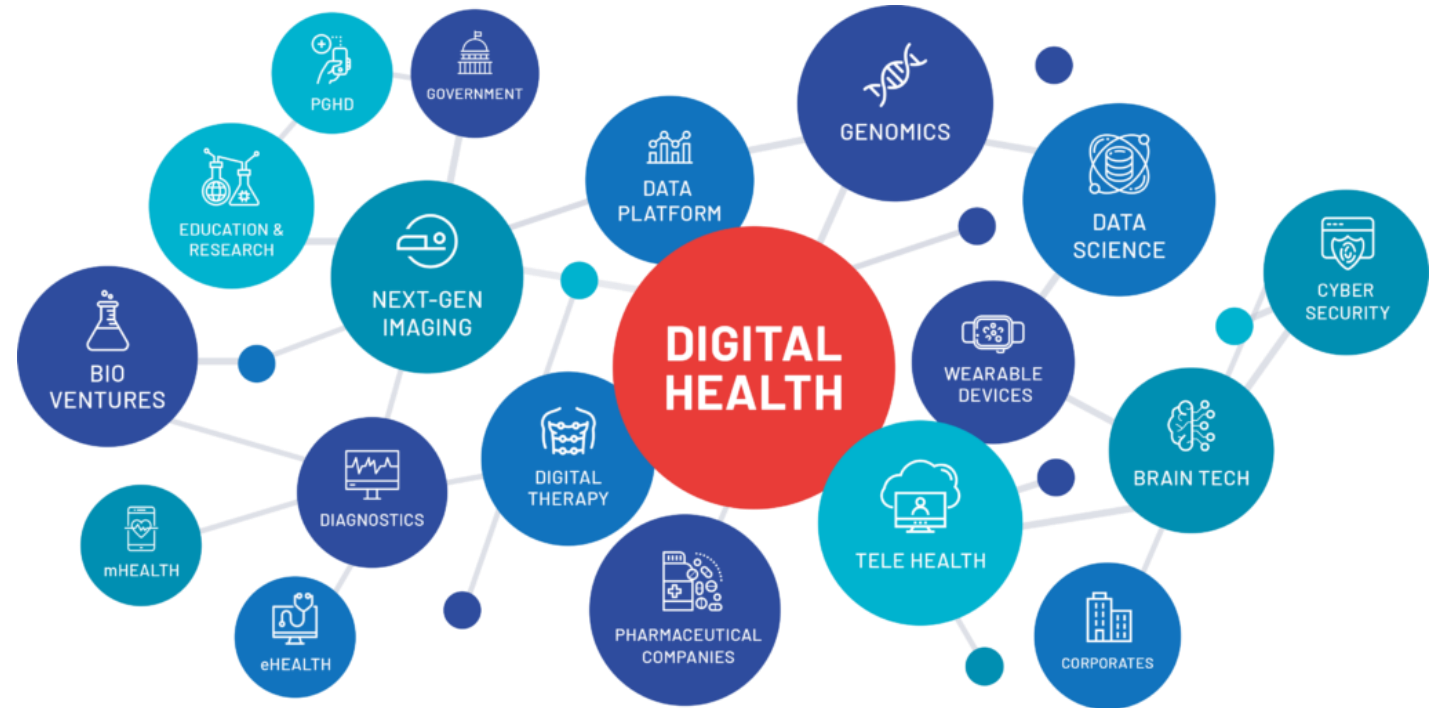
CYBERSECURITY OF MEDICAL DEVICES

Regulation (EU) 2017/745 on medical devices
aims to improve *patient safety* introducing stringent procedures for conformity and post-market surveillance

➤ design and risk procedures must account for **cybersecurity**

Security Risk (includes breach of data and systems security and reduction of effectiveness)

Security risk with safety impact

Safety related risk

Practices for medical device cybersecurity [MDCG 2019-16]:

1. Security management
2. Specification of security requirements
3. Secure by design
4. Secure implementation

5. Security verification and validation testing
6. Management of security-related issues
7. Security update management
8. Security guidelines

BLOCKCHAIN FOR ELECTRONIC HEALTH RECORDS (EHR)

The **EHR** contains the information for managing any medical process
➡ Useful for sharing sensitive data among authorized individuals

The use of the **blockchain** technology in EHR can:

- ensure a *fast* and *transparent* access to data
- guarantee data *confidentiality*, *integrity*, *availability*, *traceability*, *security*
- improve data management and sharing while preserving *privacy*
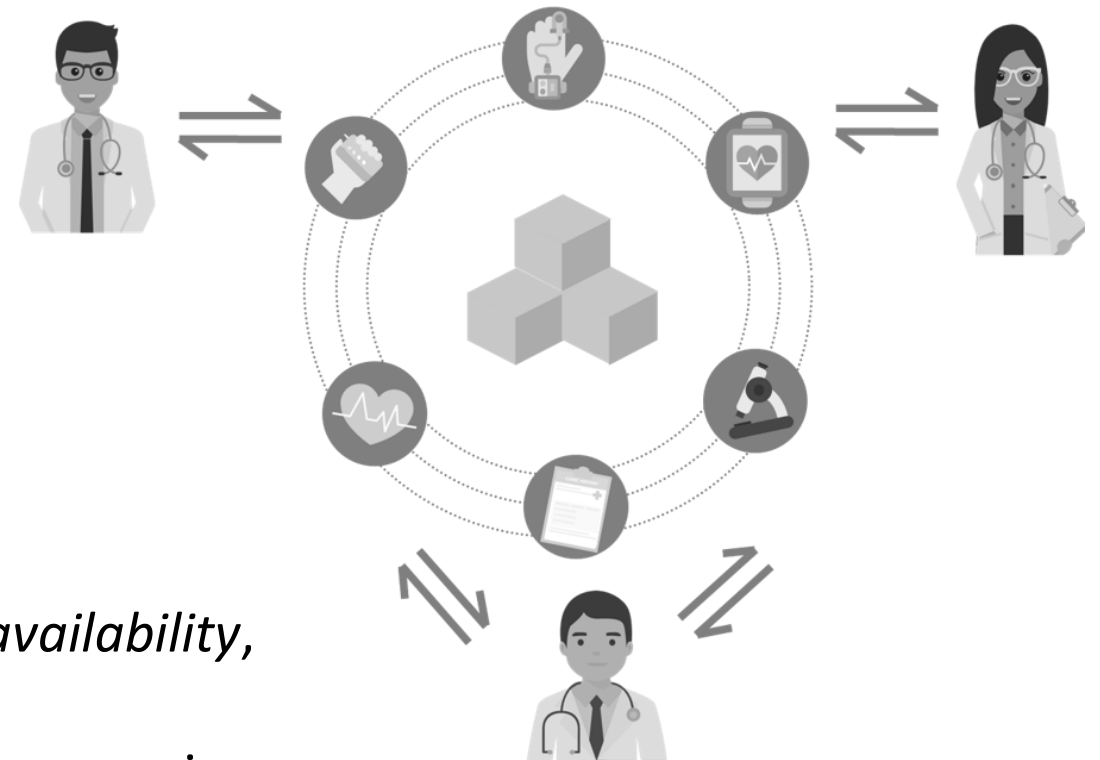
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Horizon 2020 – Funded Research Projects https://bit.ly/2GnODzC

Gavon Ltd. (Finland)

Niko Lankinen

Senior Advisor

10.3.2022

Description of the organization

- Gavon Ltd. in numbers: established in 2015 (City of Salo, Finland)
- 14 employees
- A dozen digital projects
- Turnover +700k€ (2021)
- A two-tier modifiable digital solution (mynavigo):
  - (mynavigo effect)
    - A digital functional capacity self-assessement solution for targeting and assessing the effectiveness of preventive measures
  - (mynavigo guider)
    - A first-stage digital guidance based on functional capacity self-assessment
      - An example of the solution for the people over the age of 65: https://mynavigo.fi/home
      - An example of the solution for the youth: https://youth.mynavigo.fi/home

The First Stage Preventive Guidance in Different Areas of Well-Being and Health (mynavigo guider)

*It corresponds to the field «Project Cooperation» in the Martketplace Opportunities of personal profiles in the IDIH Week Platform

The First Stage Preventive Guidance in Different Areas of Well-Being and Health (mynavigo guider)

Customer Segmentation for Targeting and Assessing the Effectiveness of Preventive Measures (mynavigo-effect)

1. The respondent logs in to mynavigo
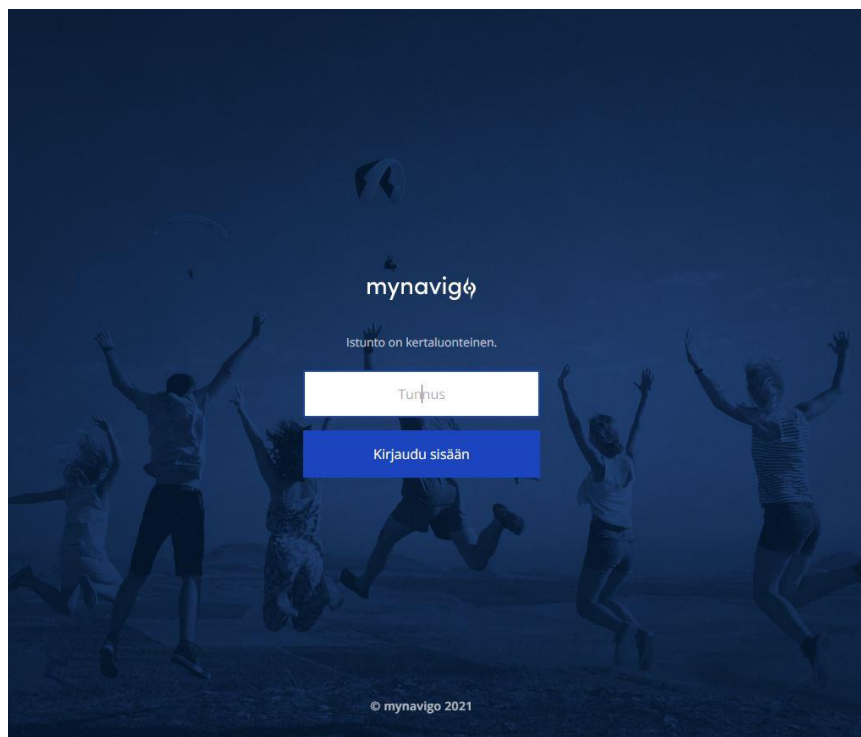
2. Answering the Backgroung Questions

*It corresponds to the field «Expertise» in the Martketplace Opportunities of personal profiles in the IDIH Week Platform

Customer Segmentation for Targeting and Assessing the Effectiveness of Preventive Measures (mynavigo-effect)

mynavigo

3. Self-Assessment in Different Areas of Well-Being and Health

4. Real-Time Feedback in Different Areas of Well-Being and Health

*It corresponds to the field «Expertise» in the Martketplace Opportunities of personal profiles in the IDIH Week Platform
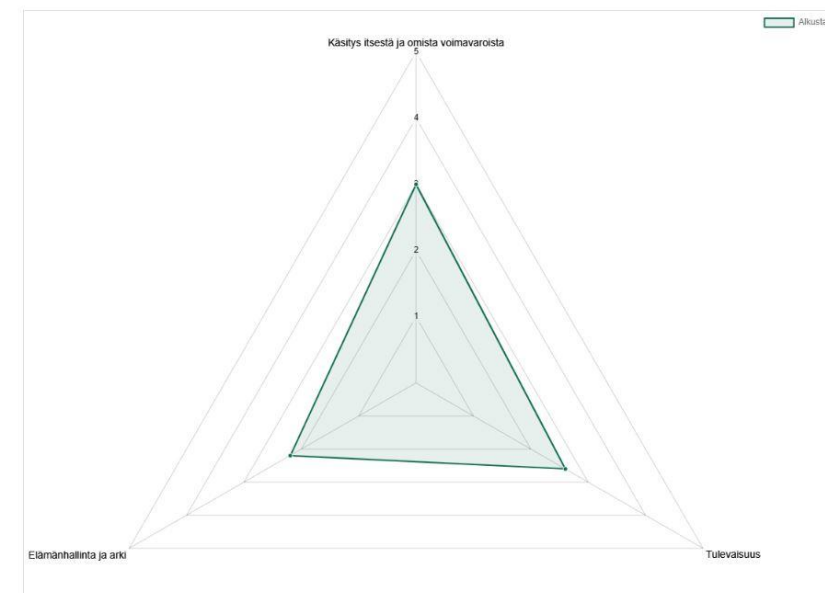
Comprehensive Statistics for Assessing the Effectiveness of Preventive Interventions (mynavigo-effect)

Comprehensive Statistics for Assessing the Effectiveness of Preventive Interventions (mynavigo-effect)

*It corresponds to the field «Expertise» in the Martketplace Opportunities of personal profiles in the IDIH Week Platform

Contacts

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- Advisor
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- niko.lankinen@gavon.fi
- https://www.linkedin.com/in/nikolankinen
- Niko is one of the pioneers in preventive customer guidance solutions in Finland.

Toshimi Ogawa

Assistant Professor at TOHOKU University – Sendai, Japan

Description of the organization

EU-Japan Virtual coach for smart ageing

The overall objective of e-VITA is to **improve well-being in older adults in Europe and Japan** and thereby promote active and healthy ageing, contribute to independent living, and reduce risks of social exclusion of older adults.

The multidisciplinary consortium collaborating in this project will develop an **innovative ICT-based virtual coaching system** to **detect** subtle changes in physical, cognitive, psychological and social domains of older adult's daily life.

The e-VITA virtual coach will thus provide **personalized recommendations and interventions**, for sustainable wellbeing in a smart living environment at **home.**

Description of the organization

Project Summary

Background: Virtual coaching can play an important role in sustaining Active and Healthy Ageing (AHA) through early risk detection and tailored intervention in smart living environments. However, current technologies are not easily customized to individual needs, provide limited interaction, and are often intrusive. **Aims and Relevance**: Based on an excellent international cooperation between Europe and Japan, e-VITA proposes an innovative approach to virtual coaching that addresses the crucial domains of AHA: cognition, physical activity, mobility, mood, social interaction, leisure, and spirituality, thus empowering older adults to better manage their own health and daily activities, resulting in improved wellbeing and improved stakeholder collaboration. The e-VITA virtual coach will provide individualized profiling and personalized recommendations based on big data analytics and social-emotional computing beyond the state-of-the-art. **Approach:** The virtual coach will detect preventative potentials and risks in the user's daily living environment by collecting data from external sources and non-intrusive sensors and will provide support through natural interactions with 3D-holograms, emotional objects, or robotic technologies using multimodal and spoken dialogue technology, advanced knowledge graph representations and data fusion. Interoperability and data privacy will be guaranteed using FIWARE and a federated data AI platform. **Proof of concept:** A support system will be provided to enable the elderly users to learn and use the virtual coaching system. The coaching system will be deployed and evaluated in the living environments of healthy older adults in France, Germany, Italy, and Japan to assess its feasibility and efficacy. The results of e-VITA include also new standards and policies beyond technology, and will be consequently exploited and transferred across Europe, Japan and worldwide.

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A multidisciplinary consortium …

… working together to reach 6 main objectives …

- **Objective 1:** Develop a <u>set of standards and norms for interoperability</u> of advanced IoT, NLP and AI based smart living technology in Europe and Japan

- **Objective 2:** Develop an <u>advanced intercultural virtual coach</u> with seamless integration of smart living technologies, advanced AI and tailored dialogue interaction

- **Objective 3:** Enable smart living support and <u>tailored AHA interventions</u> for physical, cognitive, emotional, and social wellbeing of older adults in real-life settings in Europe & Japan

- **Objective 4:** Propose and design <u>practice-based ICT tools</u> to empower older adults to experience ageing as a positive process and meaningful period of life

- **Objective 5:** Conduct a <u>proof of concept study</u> to assess user acceptance in real-life environments from different countries and cultural backgrounds (EU/JP)

- **Objective 6:** Explore the feasibility of a <u>new ecosystem for disruptive innovations</u> of AHA coaching and incubation of SMEs and NGOs in Europe and Japan

… from a needs-based approach …

Autonomy
»I can do what I want the way I want it«

Security
»I'm safe from threats and uncertaincies«

Competence
»I'm good in what I do«

Stimulation
»I was experiencing new activities«

Relatedness
»I feel close to the people I care about«

Physicalness
»That my body was getting just what it needed«

Popularity
»I have impact on what others do«

Meaning
»I feel a sense of deeper purpose in life«

© frankjostenstudio

… providing recommendations through technologies…

… using multimodal and spoken technology, KG and data fusion…
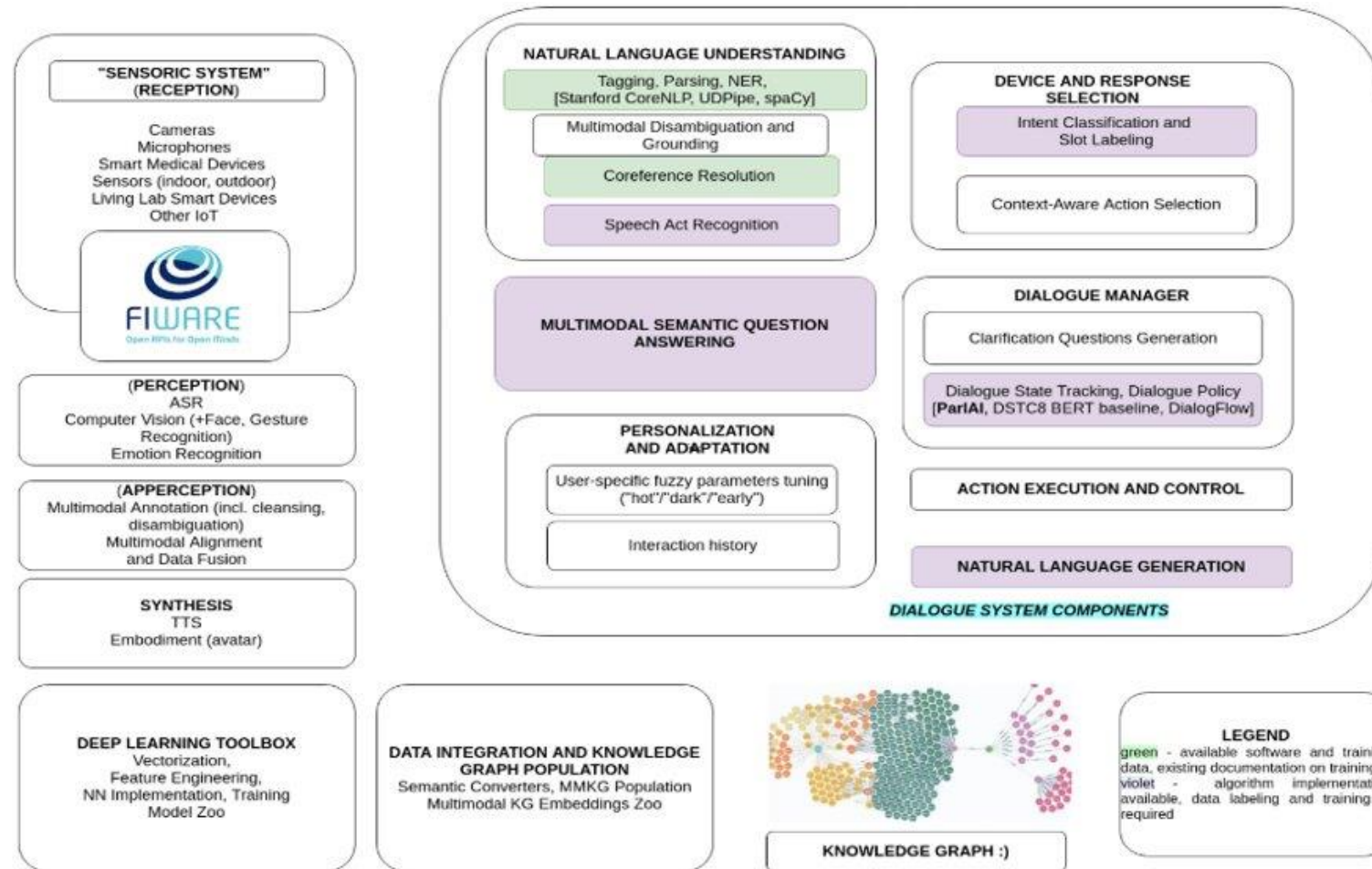
... for natural speech interaction.
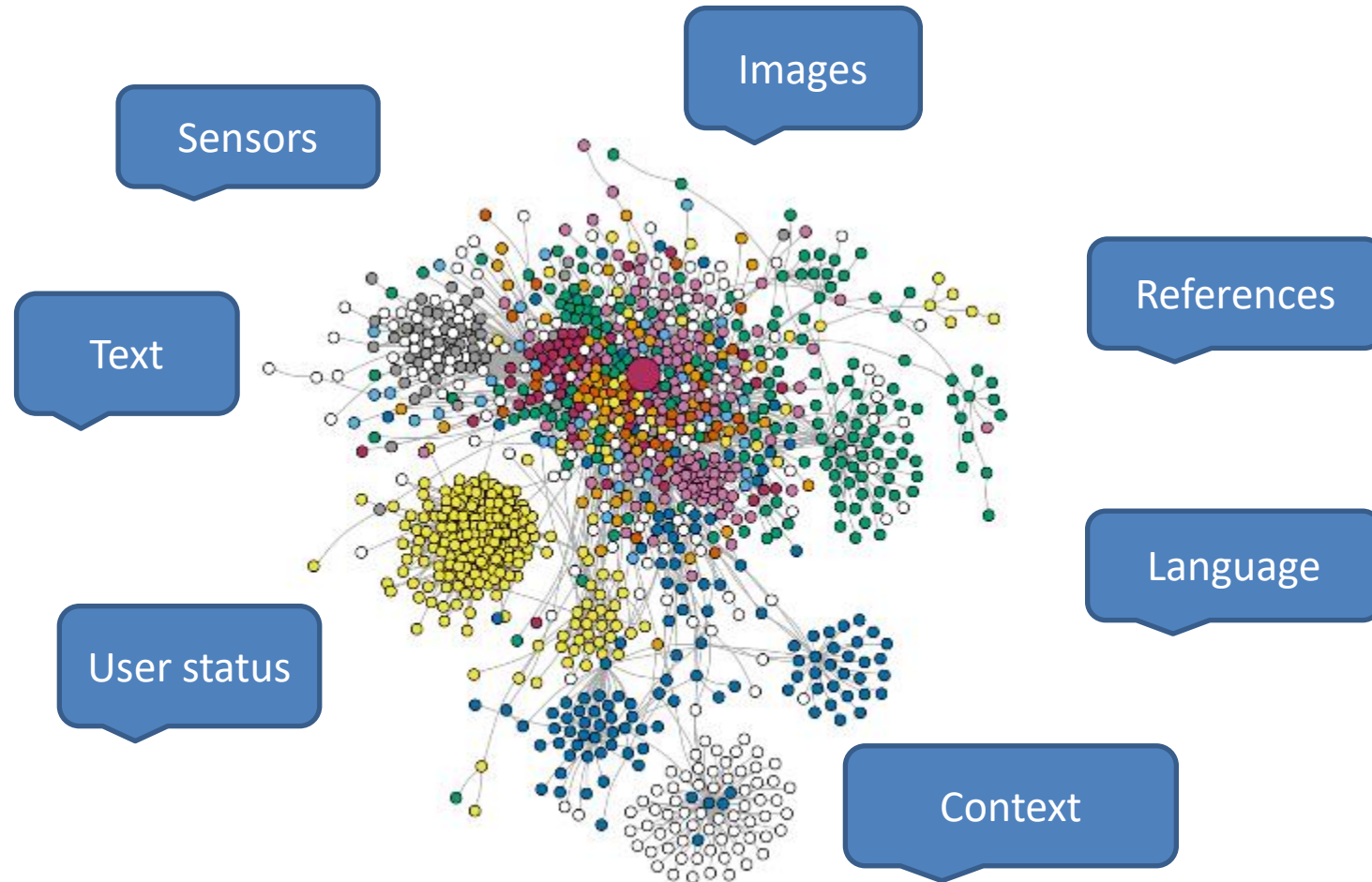
Coaching system deployed in living environment of older adults
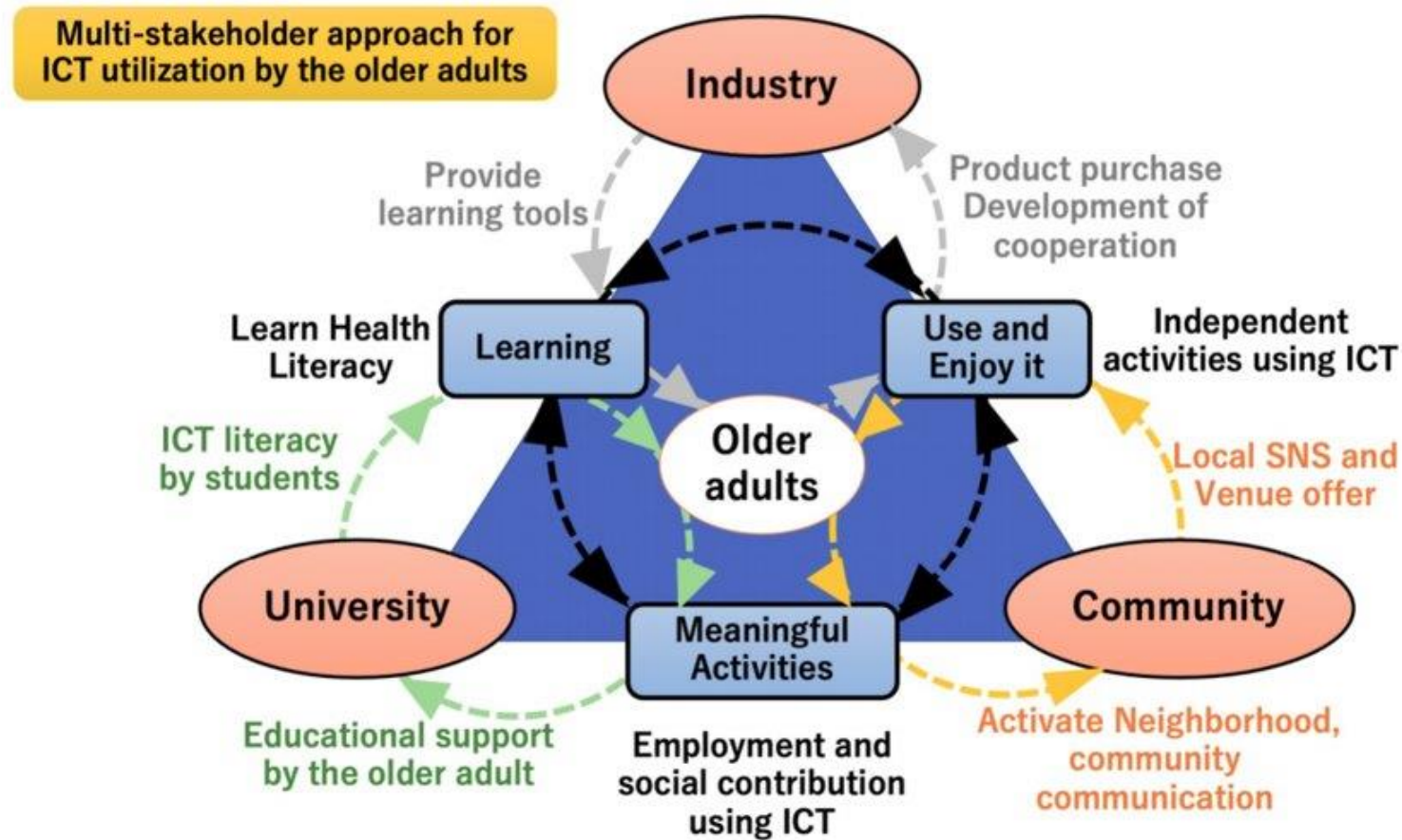
Follow and contact us !

https://www.e-vita.coach/ [in] evita-coach   @eVITA_coach

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Pinktrainer
Orange M Health BV - NL

Mattia Pirani

European Market Manager

Description of the organization

Orange M-Health BV | Pinktrainer

Shareholders

- Monique van Dijk, René Loek and Rob Mentink
- Co-located with 2 medical start-ups (sister companies)
  - Orange M-Health, Evidencio and OSAsense
- Team of 20 employees
  - Medical IT
  - Para (medical) care professionals
  - Regulatory
  - External advisory board

The solution

PINKTRAINER

PINKTRAINER

- Pinktrainer is an E-health application with dashboard and interactive patient app

- Holistic approach of exercise, nutrition and mindfulness to support people with cancer before, during and after their treatment

- Available for all cancer patients, hospitals, rehabilitation centers, physiotherapists
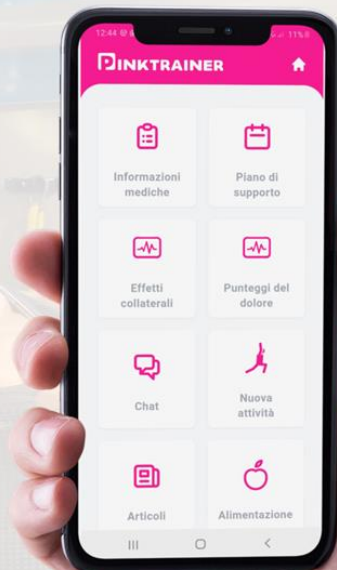
Interaction with the medical team

- All interdisciplinary data available in 1 dashboard
- Results and effects of the exercise and nutrition plan on treatment and quality of life real time insights
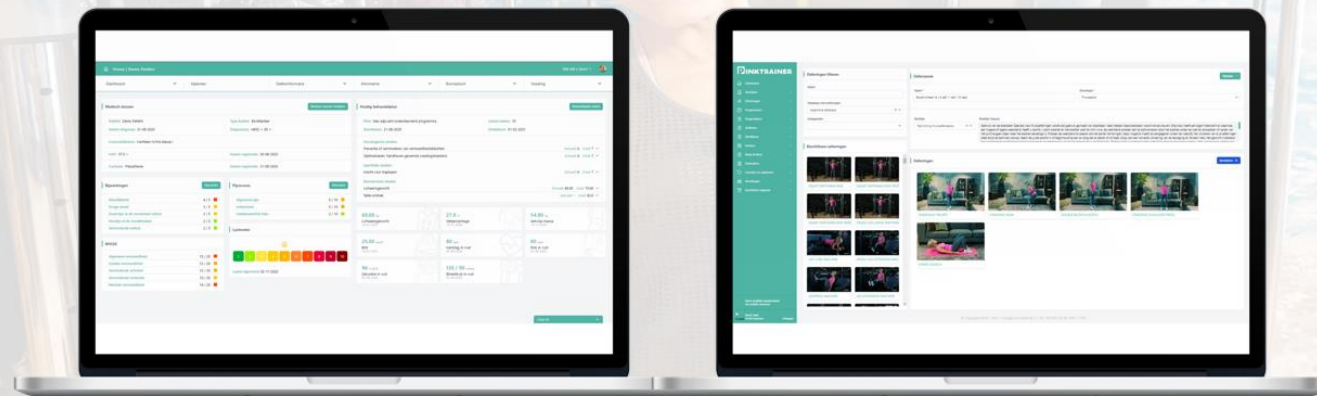
➤Available in English, Dutch, Italian and German

*It corresponds to the field «Project Cooperation» in the Martketplace Opportunities of personal profiles in the IDIH Week Platform

What we are looking for ?

PINKTRAINER

We are looking for:

possibilities to join rk in funded projects as technical partners.

Cancer centers and medical research hospital willing to make a partnership and test our digital solutions

Provide our digital solution for specific research trials in the field of cancer and complementary therapies (exercise/nutrition/psychological aspects).

IDIH
INTERNATIONAL COLLABORATION
DIGITAL TRANSFORMATION
HEALTHY AGEING

IDIH WEEK 2022

It corresponds to the field «Partnership» in the Martketplace Opportunities of personal profiles in the IDIH Week Platform

What do we offer?

- Already available and ready solutions (currently used in hospitals in Netherlands and Italy).

- Theoretical and technical platform support

- Divulgative content to be uploaded in the platform

It corresponds to the field «Expertise» in the Martketplace Opportunities of personal profiles in the IDIH Week Platform

Contacts

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⟩ **Facebook**: Pinktrainer italia

⟩ **Linkedin**: Pinktrainer Italia

⟩ **Tel:** + 39 3477918424

⟩ **Web**: www.pinktrainer.nl

Endocorelab

Albert Valls

General Manager

Description of the organization

- Endocorelab is a scientific business group specialised in Value Based Evidence of the latest breakthrough medical devices on the field of endovascular and cardiovacular fields.

- Holistic Value approach: Clinically and Economically

- Our services cover the evidence needs along the full lifecycle of a medical device from Pre-Clinical to Post-Market Stages.

- Focused on Endovascular and Cardiovascular.

Project Cooperation Idea* (if applicable)

- Through the project of European Health Data sharing to find access to that big data and identify patterns and generate value healthcare evidence for more efficient health and policy decisions taken by the governments.

- Need to find a partner able to get this big data (only endovasclar and cardiovascular) according to EU data protection.

- Need to find a partner with expertise on big data management to find the paterns for us later on generate the evidence and the final value output.

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DIGITAL TRANSFORMATION
HEALTHY AGEING

IDIH WEEK 2022

*It corresponds to the field «Project Cooperation» in the Martketplace Opportunities of personal profiles in the IDIH Week Platform

Expertise request* (if applicable)

- Big Data Software.

- Big Data Analysis expertise.

- Data Analysis software in the field of healthcare.

- Digital Healthcare for Clinical Research solutions.

- Data Protection and EU Legislation

Expertise offer* (if applicable)

EndoCoreLab
We Intend to Advance Medical Research

- CRO: To provide support to the pharmaceutical, biotechnology, and medical device industries in the form of research services outsourced on a contract basis.

- Corelab: diagnostic laboratory, usually understood to be located at a distance from an acute hospital trust, which generates results for Clinical Evidence

- Professional Education in Endovascular

- Real World Evidence

- Health Economics and Outcome Research

- Scientific Event Organisation

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INTERNATIONAL COLLABORATION
DIGITAL TRANSFORMATION
HEALTHY AGEING
IDIH WEEK 2022

*It corresponds to the field «Expertise» in the Martketplace Opportunities of personal profiles in the IDIH Week Platform

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  - CEO EndocoreLab
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- Albert Valls Msc
  - General Manager
  - a.valls@endocorelab.org

Logosnet

Fernando Salvetti

Founder and Managing Partner Logosnet – e-REAL Dept.

Description of the organization

We are a service provider **ready to disrupt** the status quo for **healthcare simulation with   e-REAL**.

Learners experience **full interactivity and immersion** in a **glasses-free** environment,
both onsite and online.

e-REAL has been developed by Barbara & Fernando who are instructional designers and communication of science experts that are pioneering the Extended Reality with cutting-edge clients and world-class subject matter experts.

- ✓ SOLE SOURCE PRODUCT
- ✓ REGISTERED BRAND
- ✓ PRIVATELY HELD BY LOGOSNET
- ✓ START-UP SPIRIT
- ✓ CONTINUING R&D
- ✓ TECH AGNOSTICS
- ✓ SYSTEM INTEGRATORS
- ✓ XaaS

Project Cooperation Idea* (if applicable)

LOGOSNET

⟩ Enhanced reality for immersive simulation (e-REAL: www.e-real.net) is the merging of real and virtual worlds: a mixed reality environment for hybrid simulation where physical and digital objects co-exist and interact in real time.

⟩ Demo video: https://youtu.be/A_F5Xs57G5I

*It corresponds to the field «Project Cooperation» in the Martketplace Opportunities of personal profiles in the IDIH Week Platform

Contacts

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▸ www.logosnet.org

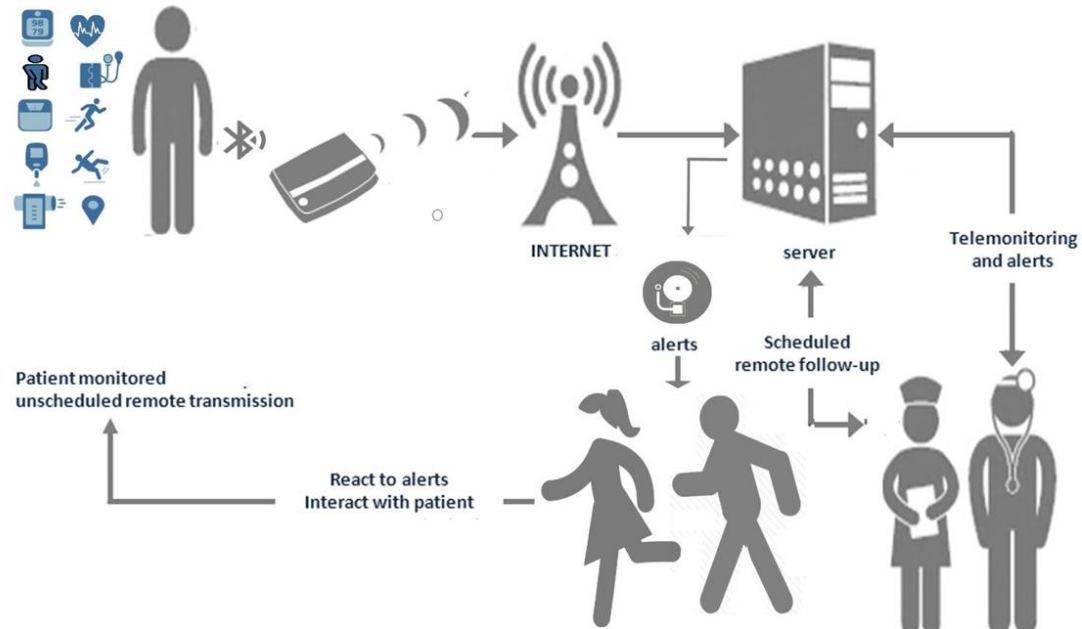▸ (+1) 866-942-0062

▸ (+39) 011-196-20030

Pier Giuseppe Meo

CMO

Healthcare ehealth domestic modular systems for telemonitoring & telemedicine
We act as system integrator to give solutions that best fits customers requirements, integrating and valorizing their previous investments

COVID has exploded the need of **new model of assistance**: no more based on few centralized hospital but instead made of several distributed territorial interconnected points of care.

It requires **new organization models** supported by **tech solutions** to be used also by not skilled people.

Project Cooperation Idea

We are interested in integrated care, independent and connected living.
We don't reinvent the wheel we want to integrate in our solutions existing on market systems and devices

Architecture requirements

Modular, we are building platforms with the aim to quickly add more features to pre existing thirty parties platforms, no need to dismiss previous investments.
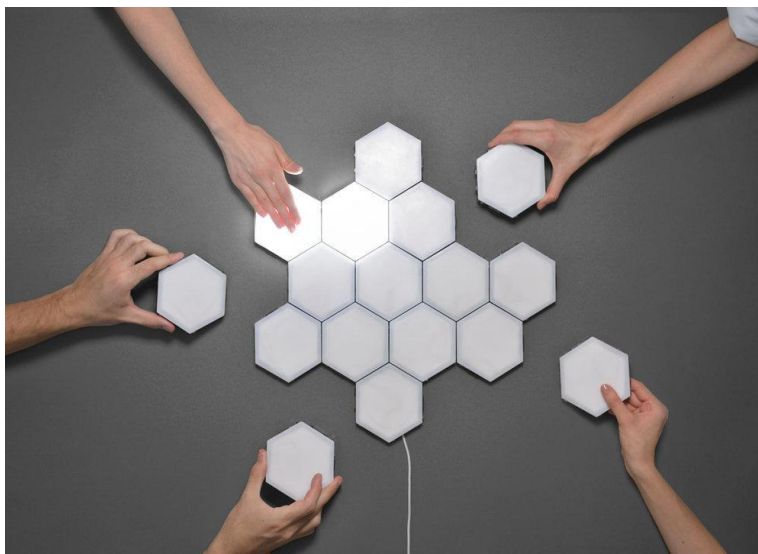
MODULES
- Telemonitoring
- Telemedicine
- Rehabilitation
- Treatments
- Clinical intervention diary
- Activity Planner
- Reminders
- Team care sharable infos

in progress
- pill dispenser/ hydratation
- emergency management

Multilingual, to better involve home foreign caregivers

*It corresponds to the field «Project Cooperation» in the Martketplace Opportunities of personal profiles in the IDIH Week Platform

Expertise request

Existing just on market software that want to add new home telemonitoring capabilities or that can be used as subsystem of a more complex platform
implementation of digital solutions for active and healthy ageing and multichronic diseases

Partnerships

- solution producers that want to sell in Italy with a local skilled support
- commercial to expand Hassisto in nations, or interested to distribute their solutions in Italy
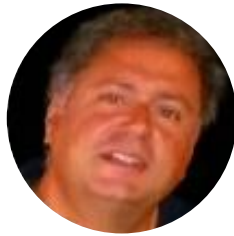- technical to quickly improve features

It corresponds to the field «Partnership» in the Martketplace Opportunities of personal profiles in the IDIH Week Platform

Expertise offer

- **MARKET KNOWLEDGE**
- **EXPERIENCE**
- **CONCRETE RESULTS**

We are an italian spinoff of the National Council of Research CNR with seniors expertise in public health management , european R&D funds, software/app development

Magliulo M. Meo P.G.   Orlando A. Palma G.   Soscia E.

Hassisto is financed by   POR CAMPANIA FESR 2014-2020   Unione Europea   REGIONE CAMPANIA   CERTIFIED QUALITY MANAGEMENT SYSTEM   Certified ISO 9001

It corresponds to the field «Expertise» in the Martketplace Opportunities of personal profiles in the IDIH Week Platform

Contacts

eHealth platforms

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