



Citizen-centred EU-EHR exchange for personalised health

Uma visão da participação portuguesa na obtenção de financiamento para a saúde no H2020

Coordinator: Ricardo Jardim Gonçalves, rg@uninova.pt



Smart4Health is funded by the European Commission under contract 826117

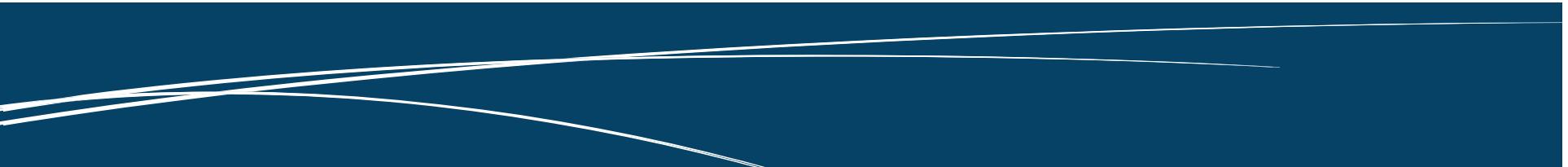


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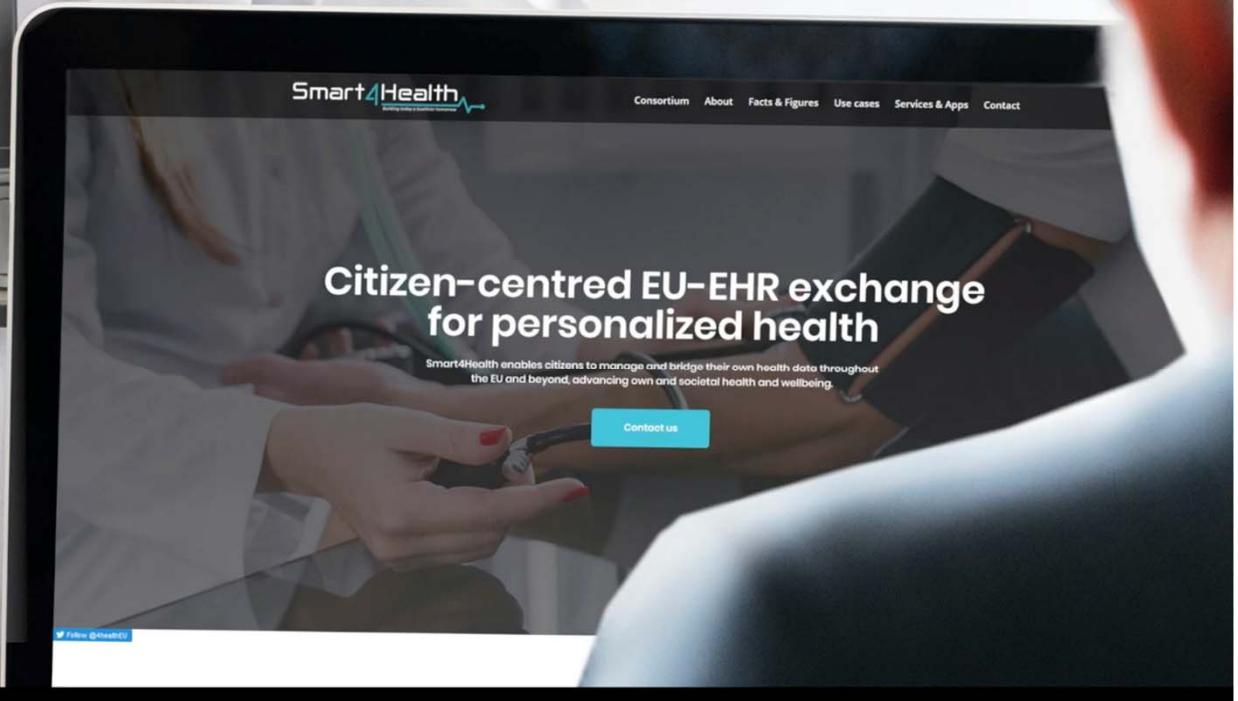
Smart4Health



This project has received funding from the European Union's Horizon 2020 research and innovation programme under the grant agreement No. 826117.

Smart4Health

Building today a healthier tomorrow



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Ricardo Jardim Gonçalves

rg@uninova.pt

- Full Professor / Associate Dean for Internationalization (**NOVA FCT**)
- Director of **GRIS** (GRupo para a investigação em Interoperabilidade de Sistemas; Group for Research in Interoperability of Systems) at **UNINOVA** (Instituto para o Desenvolvimento de Novas Tecnologias), **CTS** (Centro para as Tecnologias e Sistemas).
- Research activities have been **focused on Interoperability of Complex Systems**.
- **Researching in European Commission funded projects** during the last 30 years, including those in the **domain of Digital Health and Social Inclusion**



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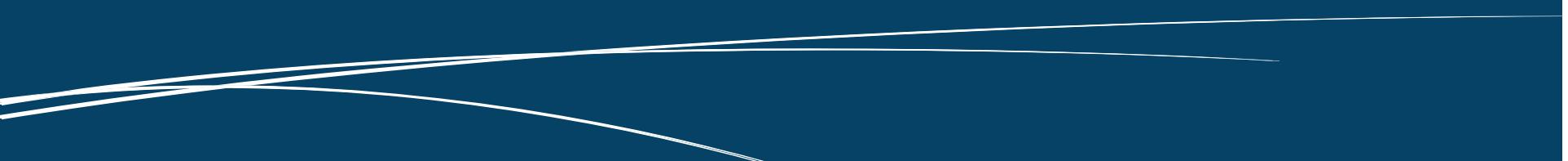


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Call objectives

- *Topic: SC1 -DTH-08-2018 - Prototyping a European interoperable Electronic Health Record (EHR) exchange (April 2018)*
- *Objectives:*
 - 1) Citizens' secure access to electronic health records and the possibility to share it across borders,
 - 2) Supporting data infrastructure, to advance research, disease prevention and personalised health and care
 - 3) Facilitating feedback and interaction between patients and healthcare providers, to support prevention and citizen empowerment as well as quality and patient-centred care.



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Smart4Health

EU
+
USA



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Hasso Plattner
Institute



HPS
Gesundheitscloud

HPIHS



University of
Vienna



University Hospital
Aachen



Maastricht University
Hospital



Information
Technology for
Translational
medicine



Knowledge
Biz



Luxembourg Centre
for
Systems Biomedicine



Icahn School of
Medicine at Mount
Sinai



ZS – Unternehmen
Gesundheit



Ospedale San
Raffaele



Stiftung Hellef
Doheem



Confédération
Française
des Retraités



European Federation
of Nurses



Região Autónoma
da Madeira



Laboratoire Virtuel
Européen



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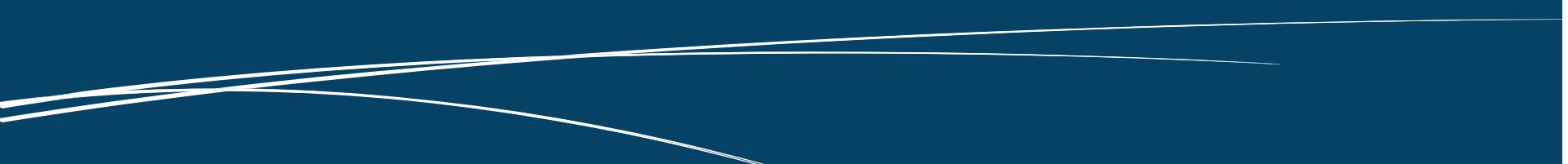


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General objective – Citizen-Centred

Smart4Health will enable EU Citizens

- *To manage and share their own Health Data*
- *Throughout the EU and beyond*
- *Strengthening their own Societal Health and Wellbeing*

Starting date: Jan 2019



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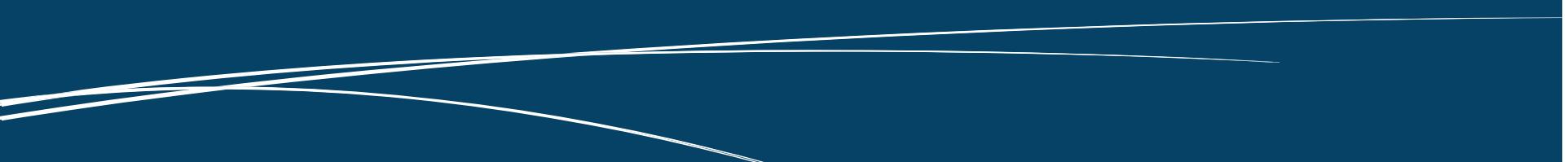


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Smart4Health Concept

- *The concept is centred around the citizen and its health-related environment.*
- *The citizen empowerment is addressed and described in so-called 'use design cases' that mirror citizens' needs, desires, preferences, norms and values around **two Leitmotifs**:*
 - **I am supported in managing my own health**
 - **I can help others by donating data**



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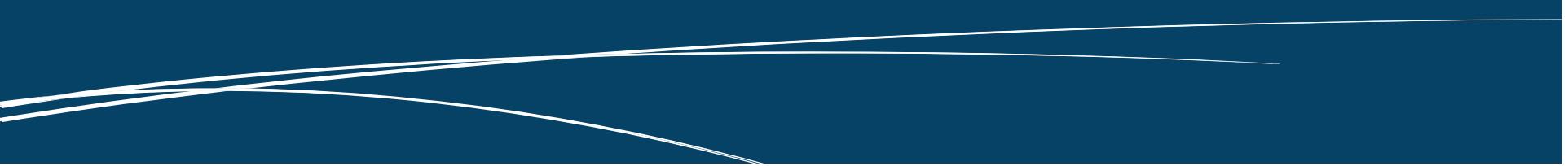


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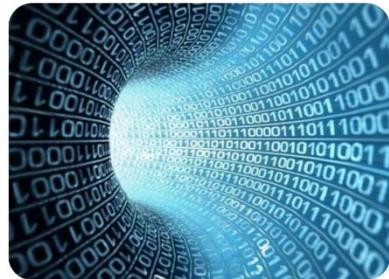
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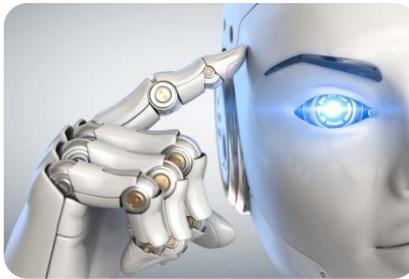
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Digital Innovation



High-performance computing



Artificial Intelligence



Internet of Things (IoT)



Cloud computing



mHealth



Wearables



Telehealth



4G/5G



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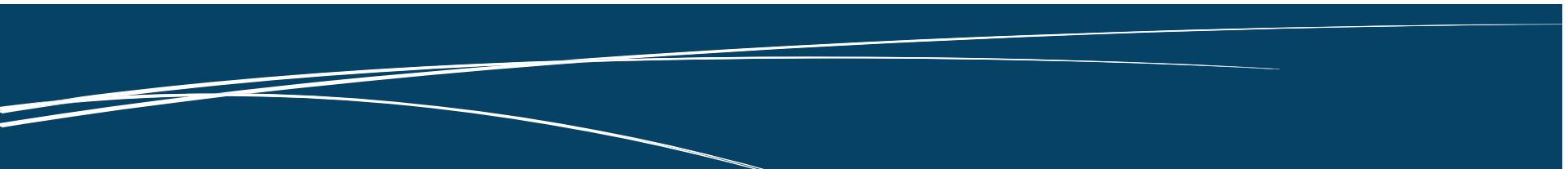


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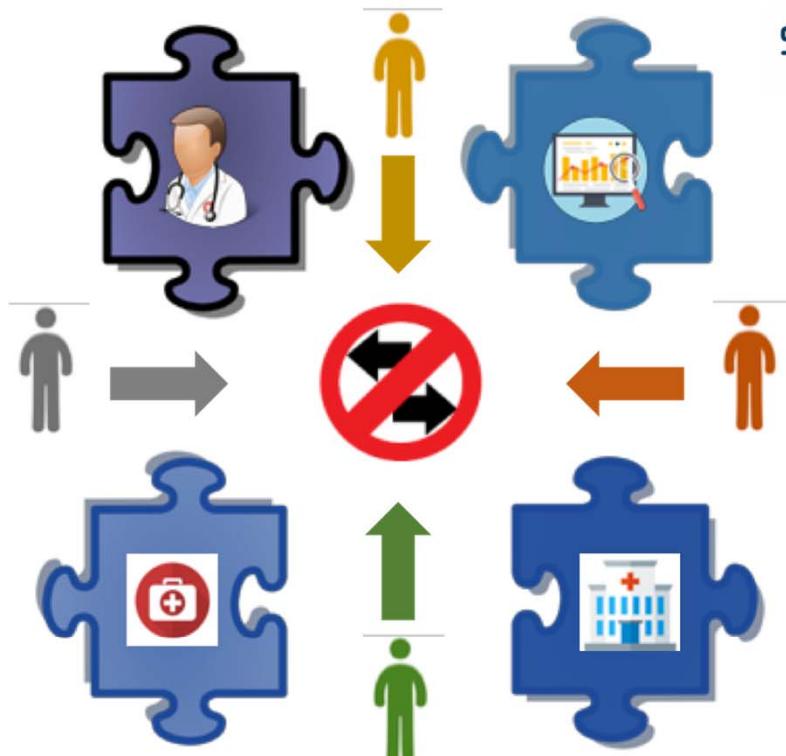
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From passive, limited and disconnected
data collection



... to active, continuous citizen-generated health
data and Interoperable Electronic Health Records



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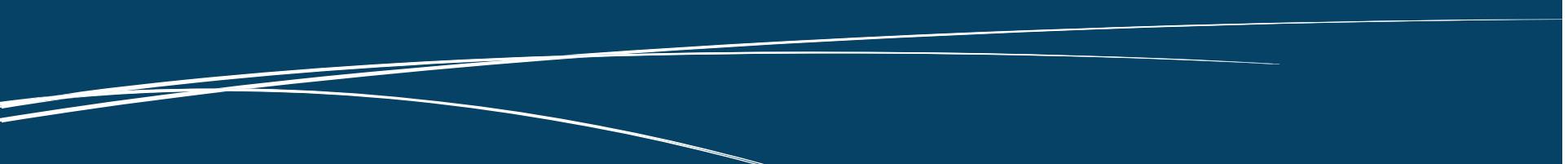


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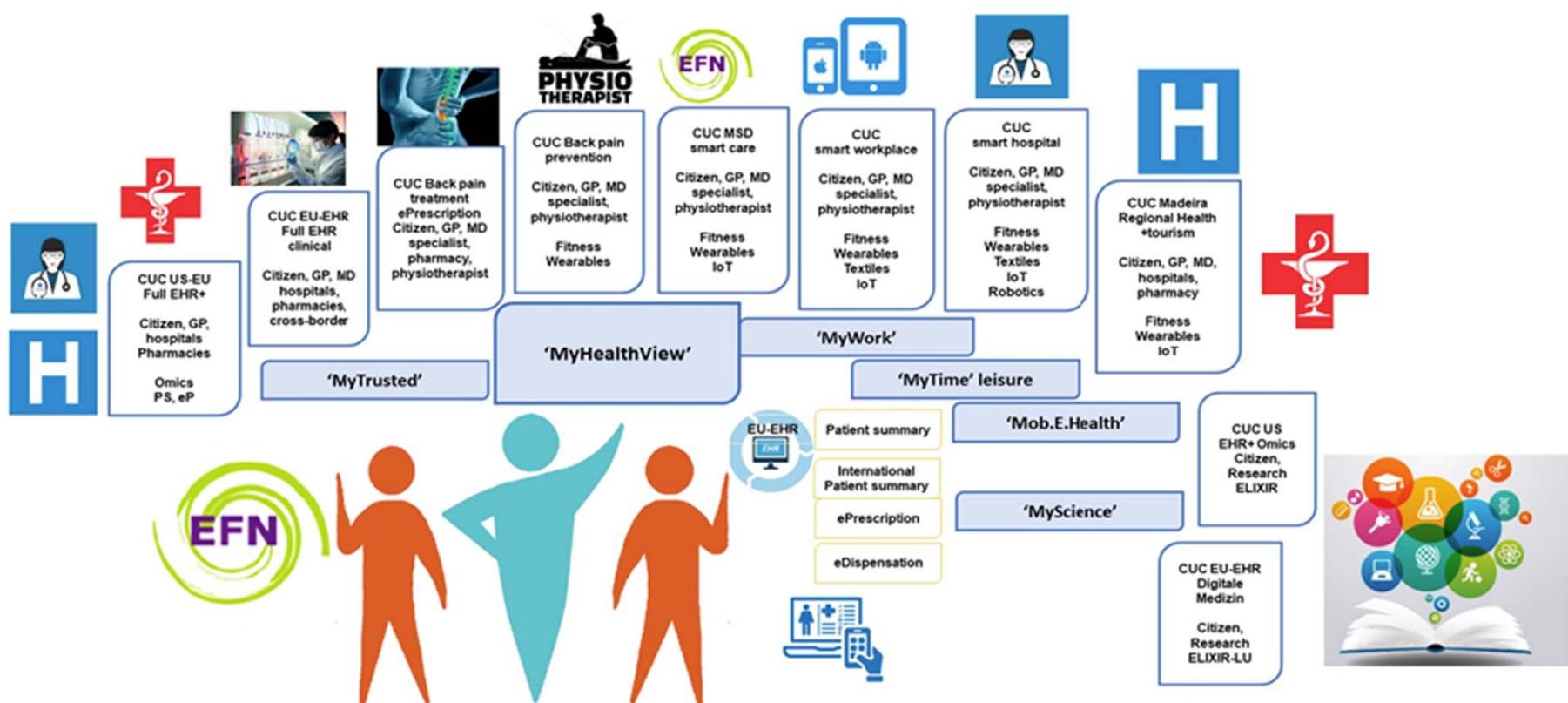
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Use Design Cases and Citizen Use cases



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Citizen Use Cases

Citizen Use Case (CUC)	Topic	Nº of cases
CUC 1	Full US EHR+, ePrescription-eDispensation, full clinical hospital cases	1000000
CUC 2	EU EHR, Patient summary+, ePrescription-eDispensation, full hospital cases	40000
CUC 3	Back pain, Muscular-skeletal disease (MSD) treatment	1000
CUC 4	Back pain and Muscular-skeletal prevention	3000
CUC 5	Life and workplace, back pain prevention	1000
CUC 6	Caregivers' workplace, back pain prevention	1000
CUC 7	Hospital workplace, back pain prevention	500
CUC 8	Regional health, tourists, preparedness, back pain prevention	200000



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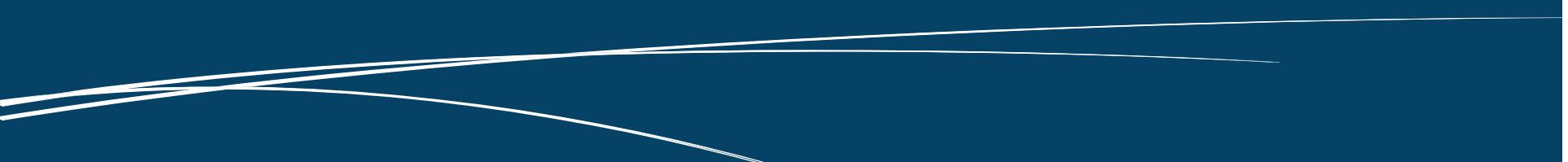


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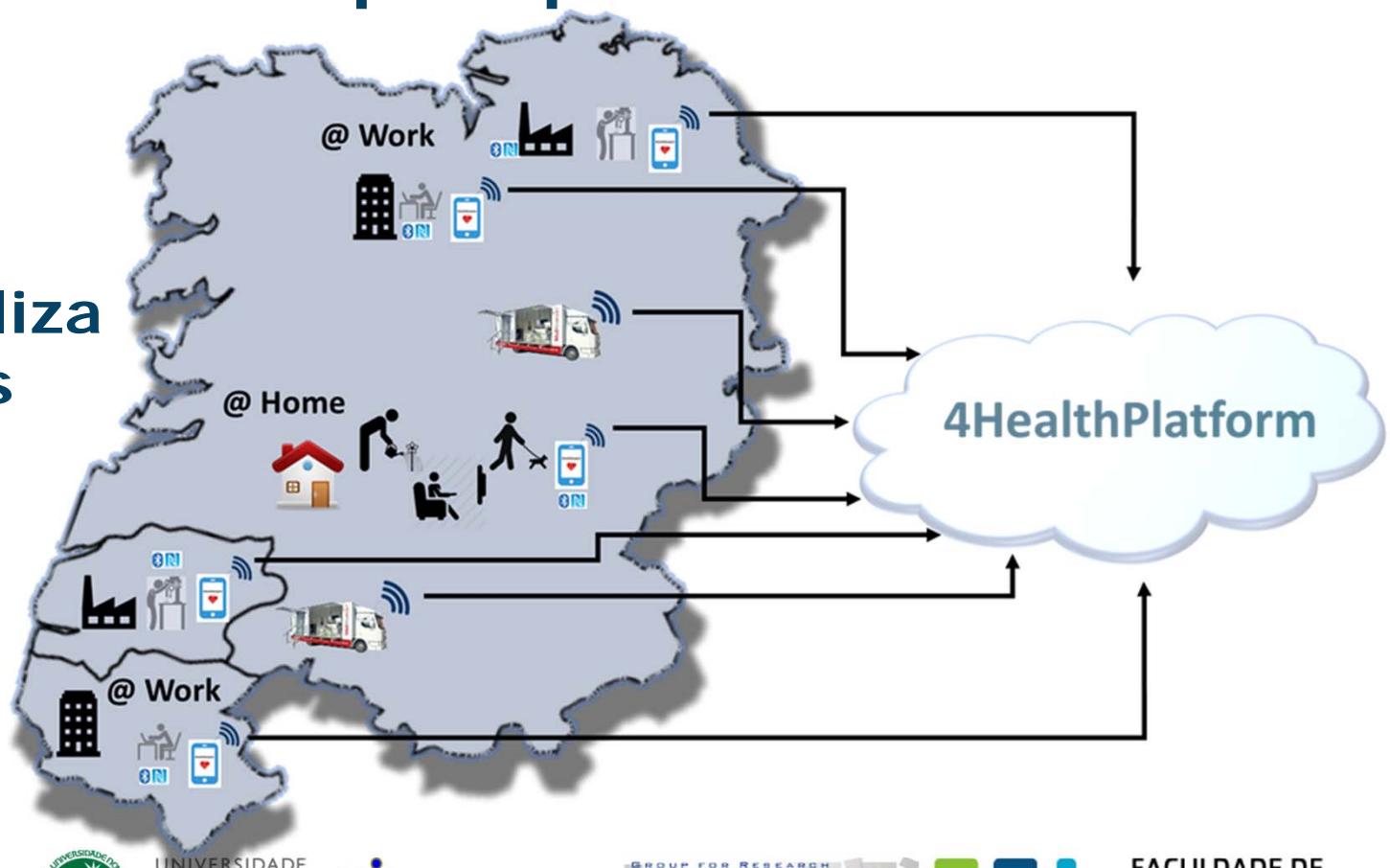
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Citizen Use case 5: Life and workplace back pain prevention

Minho/Galiza
Regions



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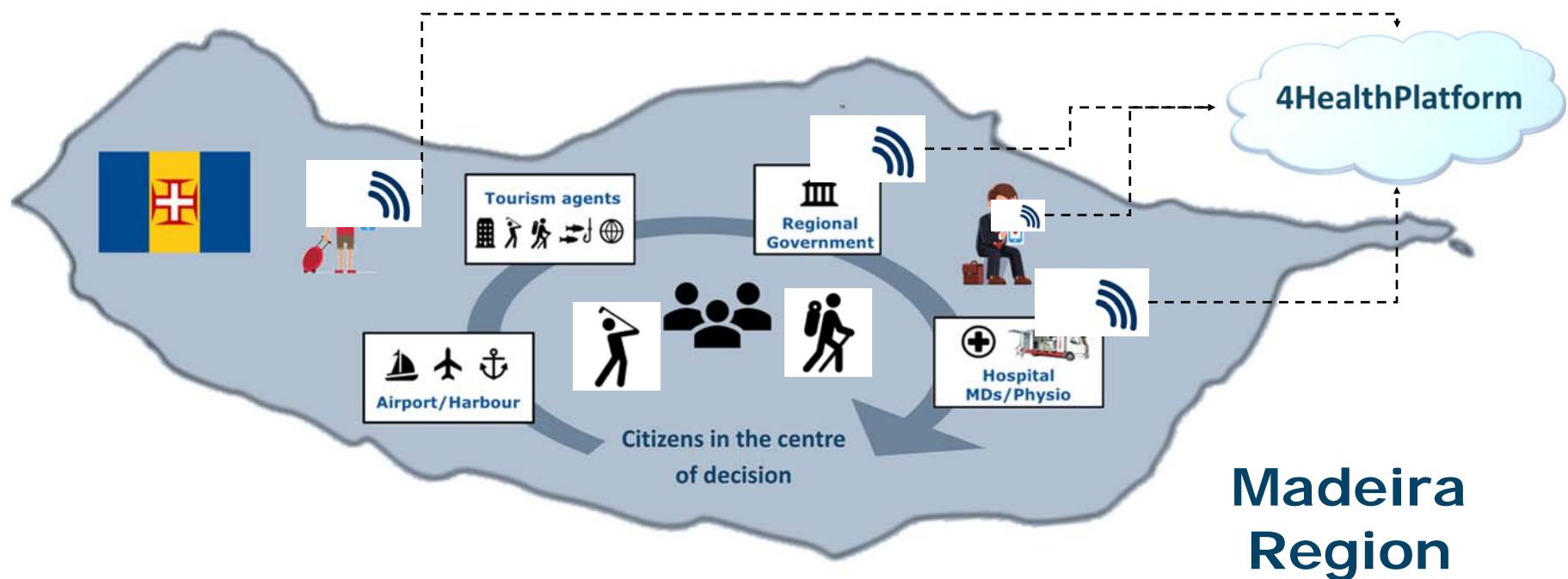


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Citizen Use case 8: Regional health, tourists, preparedness, back pain



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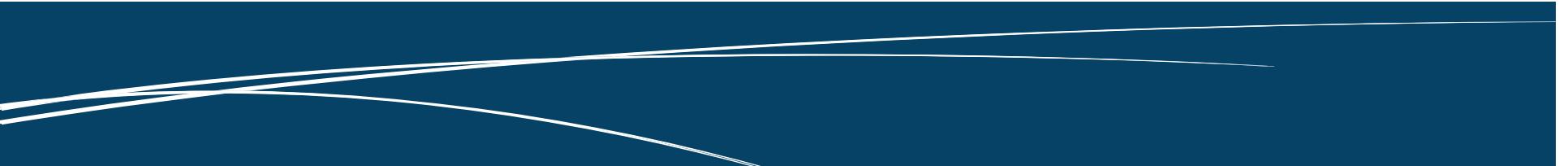


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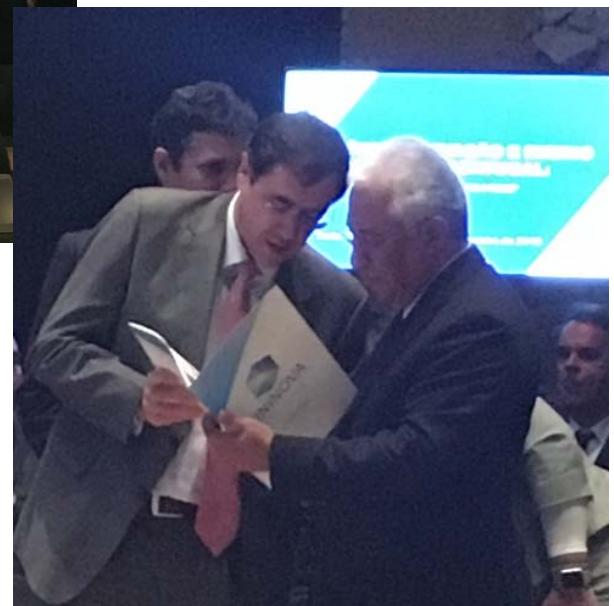


Smart4Health being presented to
Portuguese Minister of Science and
Technology (Manuel Heitor) and to
the Portuguese Minister of Economy
(Pedro Siza Vieira)
21.02.2019



Smart4Health being
presented to the Portuguese
Prime Minister (Antonio
Costa)
22.02.2019

Smart4Health being presented to
Dominique Guellec (Head of
Science and Technological policy at
OECD)
22.02.2019



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UNINOVA – Digital Innovation Hub (DIH) for eHealth and Social Inclusion



Visit of Prime minister of Portugal and Prime Minister of The Netherlands
03.04.2019



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HUB FOR DIGITAL HEALTH AND SOCIAL INCLUSION

Visit of
Prime Minister of Portugal and
Prime Minister of The Netherlands

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CTS

GRIS

3 April 2019



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**Visit by Commissioner
Dr. Vytenis Andriukaitis**

Visit by Chanceler Angel Merkel

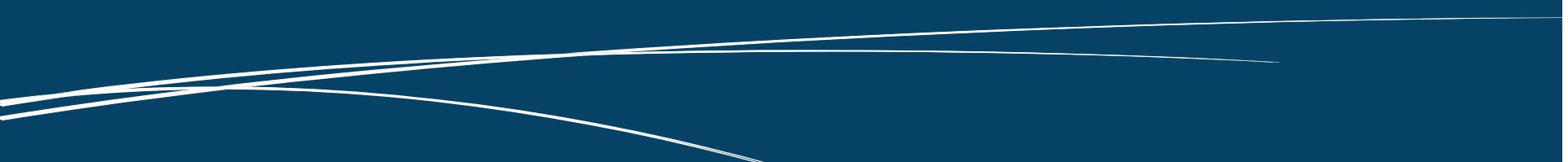
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Coming next

- *Launching communication campaign for user engagement at Madeira (CUC8)*
 - **10.05.2019 at 12h**
 - Press conference at Casa Museu Frederico de Freitas (Funchal) with the presence of:
 - President of Madeira, Dr. Miguel Albuquerque
 - Regional Secretary, Dr.^a Paula Cabaço
 - **11/12.05.2019 (full day)**
 - Outdoor campaign at Funchal including:
 - A demonstration of sensor technology integration
 - A Q&A on how citizens may have access to own health data (at EU level)
 - A questionnaire on user habits regarding health/wellbeing data applications
- *Audience with the Minister of Economy*
 - **13.05.2019**
- *PERIN 2019 “+Ciência, +Europa” in eHealth*
 - **September 2019, FCT/Minister of Science and Technology**
 - **UNINOVA – DIH for eHealth and Social Inclusion**



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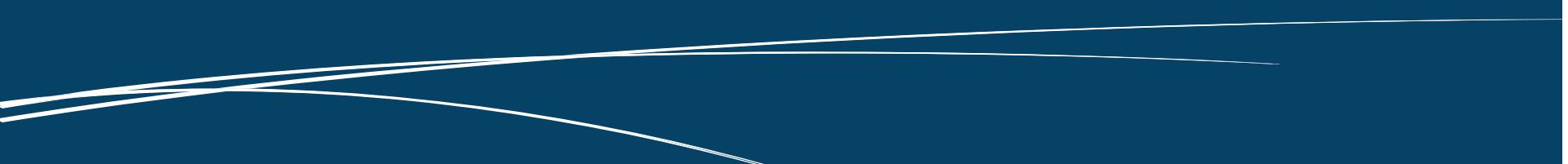


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Key challenges for success in H2020

Listen kid you might as well give up
you don't stand a chance!



- *What a challenge !...*



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Key challenges for success in H2020

- *Having an good idea vs having a good call*
 - Propose what is asked... and just what is asked...
- *Building the most adequate consortium*
 - What expertise/experience is needed
 - SMEs
- *Writing a "strong" proposal*
 - The concept must be sound and answer to the call
 - it is not all about excellence, think about the impact
 - What about the after life of the project?
 - Show that you have the skills and the team to implement the action



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“DOs...”



- *Plan and commit to networking opportunities*
- *Meet new people*
- *Exchange cards and build your address book*
- *Take it “offline” whenever possible*
 - **Face-to-face, if not possible phone, and last “email”**
- *Be genuine*
 - **What you say and behave against the other, ALWAYS works against you (even when you are sure it will be the opposite !...)**
 - **Think about what you can give to, rather than what you can get from**
- *Stay in touch*



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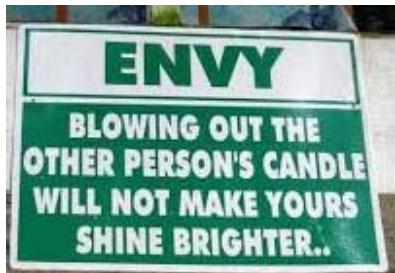
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“Don’ts...”



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Always...



- *Always keep your CV up-to-date and ready to send on at a moment's notice.*
- *Prepare and practice a 10-second 'elevator speech' that succinctly describes who you are and what you are seeking.*
- *Do research about companies of interest and try to unearth the names of hiring managers to approach based on a recommendation from your network.*
- *Build relationships steadily over time; developing a professional network requires daily attention, and does not happen overnight.*



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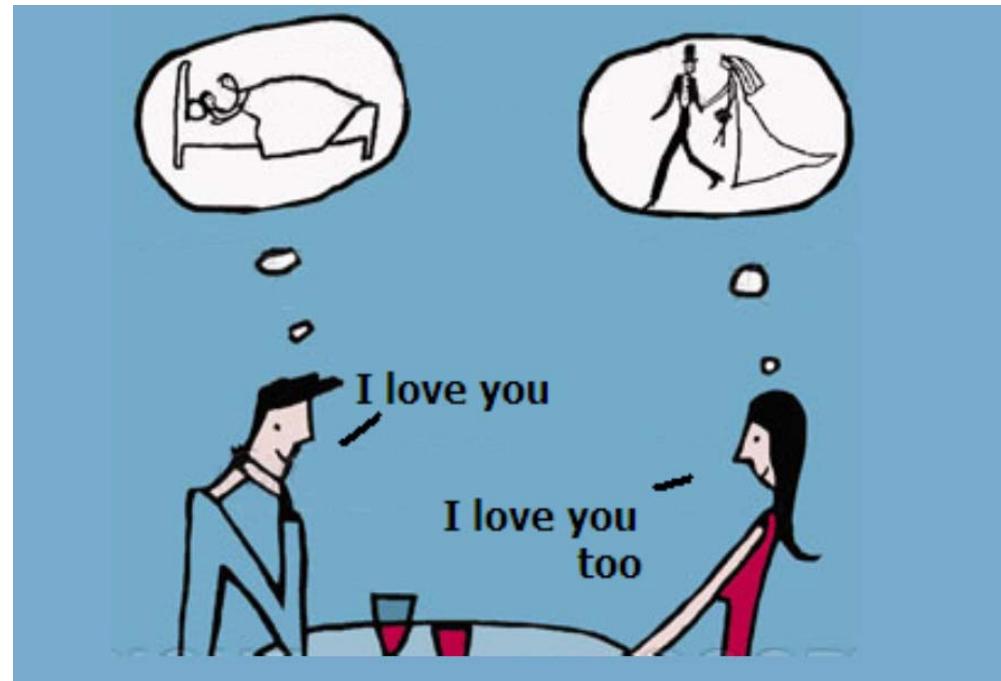
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In a proposal writing... Words makes meaning !!!!

- *Direct*
- *Clear*
- *Sincere*
- *Empathy*
- *Impact*



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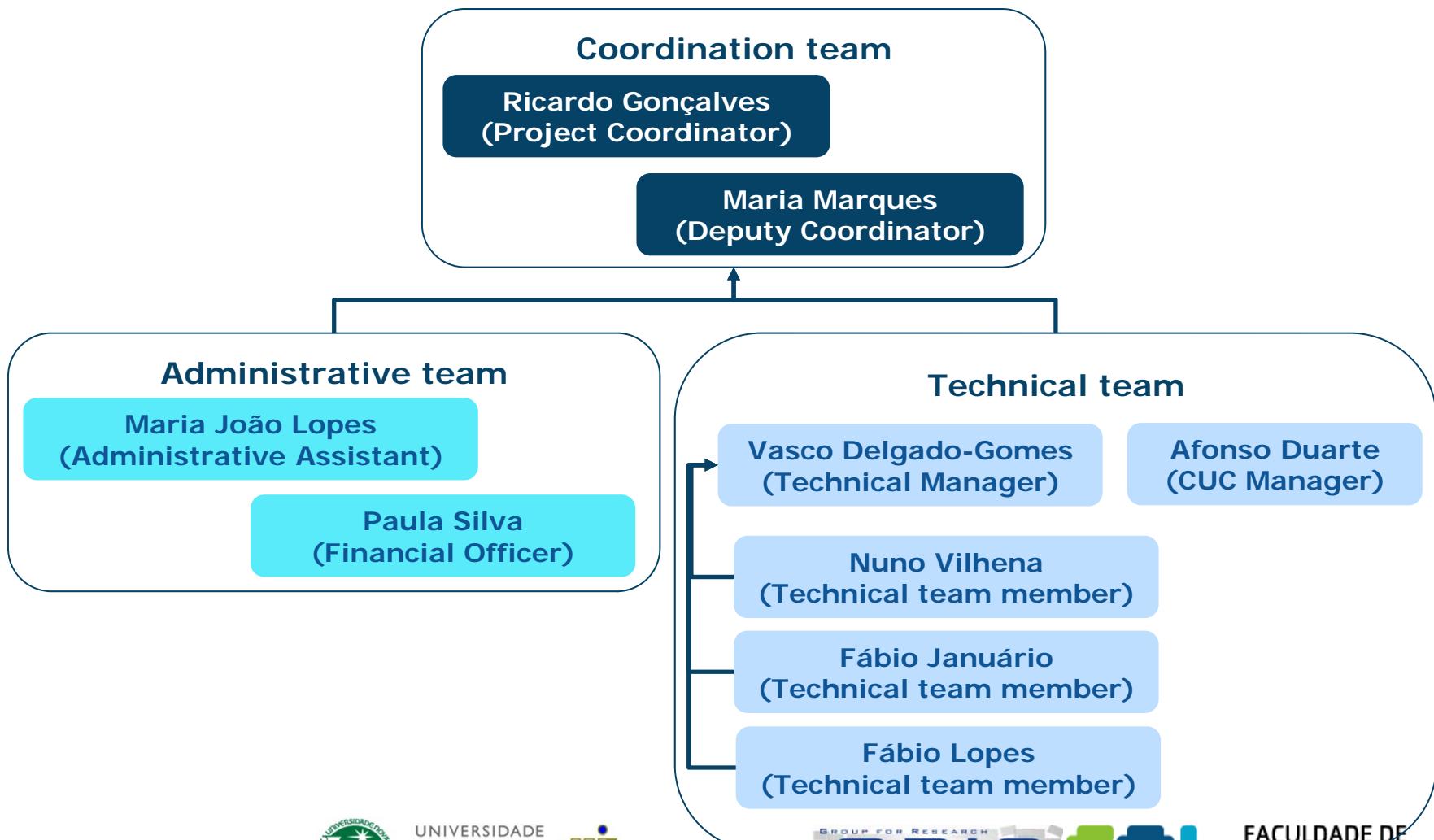
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Smart4Health local governance



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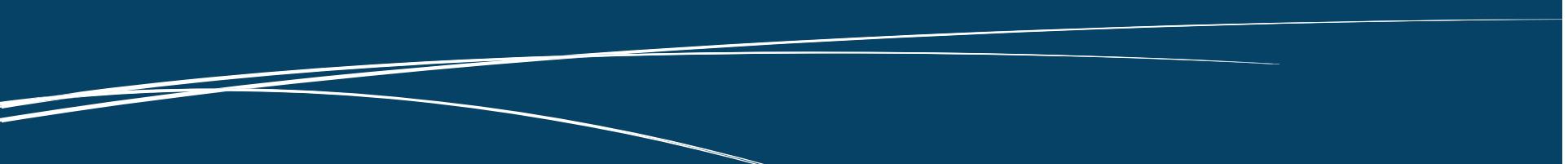


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- *GRIS is one of the research groups of UNINOVA and is composed by:*
 - a team of researchers
 - students with ongoing PhD and Msc theses and
 - other collaborators such as engineers.
- *Activities are concentrated in the areas of*
 - Interoperability of Systems
 - Applications for Complex Systems
- *Aiming at contribute to seamless interoperability throughout research development of focal ideas, fostering a new networked culture and transferring and applying the research results*



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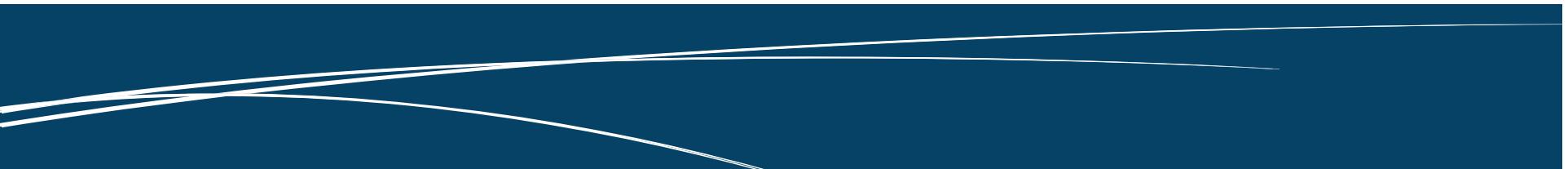


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Our Team



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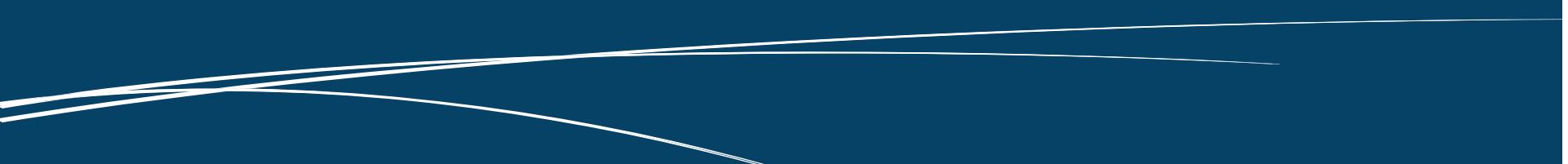


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Our areas

- *eHealth*
- *Manufacturing*
- *Smart mobility, transports and logistics*
- *Smart cities*
- *Smart agriculture and aquaculture*
- *Building and construction*
- *Cultural heritage*
- *Aeronautics*
- *Banking and insurance*



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Our ongoing projects

As Project Coordinator



Overall budget: € 21,781,120.00



Overall budget: € 19 448 292,28

As Project Participant



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Research & Innovation



16 R&D UNITS
12 CENTERS | 4 LOCAL SITES

1090 RESEARCHERS
525 INTEGRATED MEMBERS
565 PhD Students

3738 ISI WOS
3571 articles

4123 Scopus
3681 articles

8 ERC

8 COLABs



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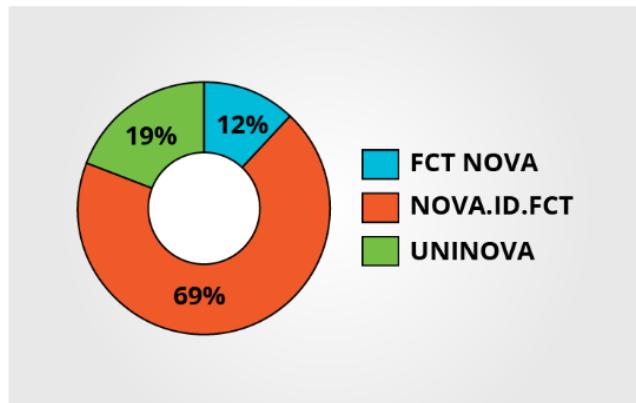
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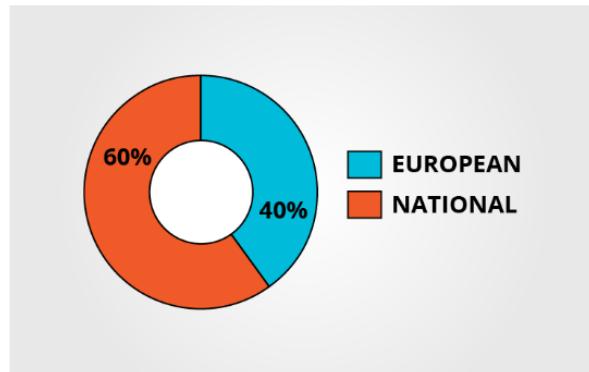
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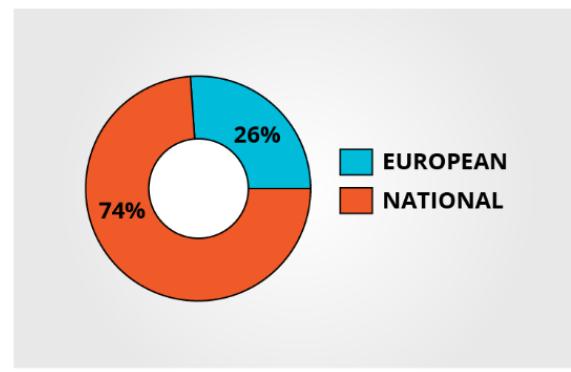
Research & Innovation Projects



Funding



Project participation



933 PROJECTS
European Union: 352
National: 437
Industry: 144



Smart4Health is funded by the European Commission under contract 826117



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Eυχαριστώ
GoRaibh Maith Agat
D'akujem
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Citizen-centred EU-EHR exchange for personalised health

Uma visão da participação portuguesa na obtenção de financiamento para a saúde no H2020

Coordinator: Ricardo Jardim Gonçalves, rg@uninova.pt



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