

## Gabinete de Promoção dos Programa Quadro ID&I

# Porquê concorrer ao Horizonte 2020?

## Patrícia Calado, NCP Saúde





## Gabinete de Promoção do Programa Quadro de I&DT

# **GPPQ**

www.gppq.pt/h2020/



1º contacto O que é o H2020 Como funciona?



Verificação da ideia A minha ideia integra-se numa call do H2020? Onde?



Preparação da proposta Construção do consórcio, escrita da proposta, procura de parceiros, revisão da proposta



Avaliação da proposta por peritos independentes



Assinatura do contrato **Procedimentos** administrativos e contrato legais



Gestão do projeto Relatórios, alterações ao



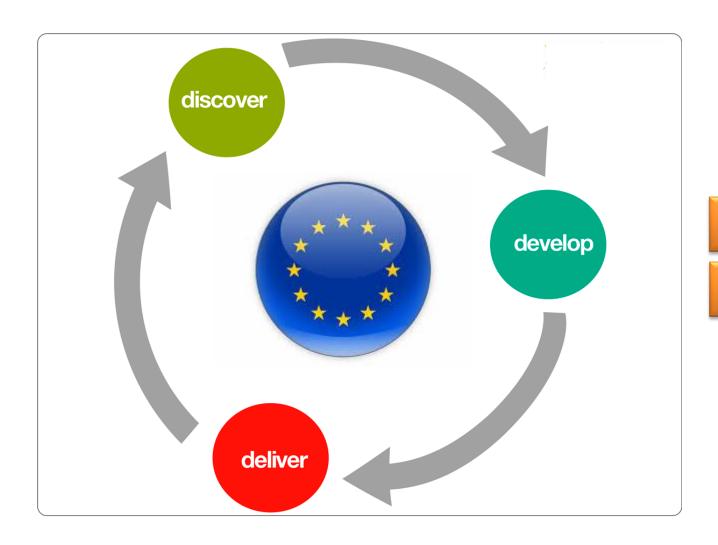
Relatórios, Exploração dos resultados **Auditorias da CE** 







# O QUE É O HORIZONTE 2020?



80 B €

2014-2020







# PORQUÊ CONCORRER AO H2020?









## VANTAGENS DA PARTICIPAÇÃO



- Financiamento para ciência de excelência
- Abordagem a desafios globais e alinhamento da investigação com as políticas e objectivos estratégicos da UE
- Foco na inovação e acesso ao conhecimento gerado pelo consórcio
- Acesso a infra-estruturas de investigação de topo
- Acesso a redes de contactos, parcerias e colaborações em consórcios multidisciplinares







#### **ESTRUTURA GERAL DO H2020**

#### Excellent Science (24.4 B €)

European Research Council (13.1 B €)

Future and Emerging Technologies ( 2.7 B €)

Marie Skłodowska-Curie Actions ( 6.1 B €)

Research Infrastructures ( 2.5 B €)

#### Industrial Leadership (17 B €)

LEIT = Leadership in enabling and industrial technologies

- ICT
- · Nano, new materials
- · Biotechnology
- Space

(13.5 B €)

Access to Risk Finance ( 2.9 B€)

Innovation in SMEs ( 0.6 B €)

#### Societal Challenges (29.7 B €)

Health (7.5 B €)

(3.9 B €)

Energy (6 B €)

Transport (6.3 B €)

Climate (3 B €)

Inclusive Societies (1.3 B €)

Security (1.7 B €)

Spreading Excellence (0.8 B €)

Science for Society (0.5 B €)

EIT (2.7 B€)

JRC (1.9 B €)

Euratom (1.6 B €)







## **OBJECTIVOS DO H2020 NA ÁREA DA SAÚDE**

- Investir em "melhor saúde para todos"
- Manter as pessoas idosas activas e independentes por mais tempo
- Apoiar o desenvolvimento de intervenções novas, mais seguras e mais eficazes
- Contribuir para a sustentabilidade dos sistemas de cuidados de saúde





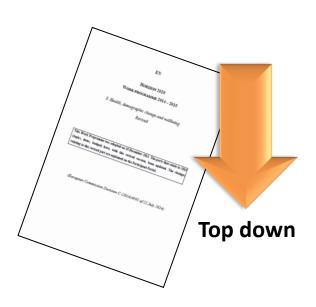


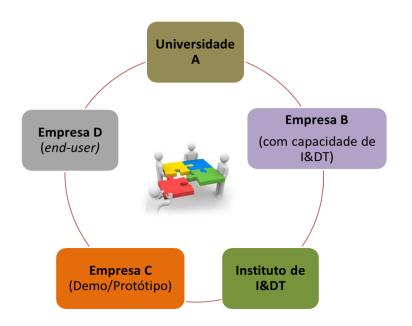




## FINANCIAMENTO – COMO FUNCIONA?

 Programas de Trabalho bienais  Projetos em colaboração (mínimo 3 EM ou PA)











## **H2020 – MAIOR SIMPLIFICAÇÃO**

## Regras iguais para todos os financiamentos H2020 (menos intrumentos e mais flexíveis)

- Reembolso mais simples:1 projeto = 1 taxa de reembolso
  - X% dos custos elegíveis
  - Taxa fixa de custos indirectos (25% dos custos elegíveis)
- 3. "Time to grant" mais curto(8 meses após o deadline de submissão )







## PARTICIPAÇÃO PORTUGUESA NO H2020

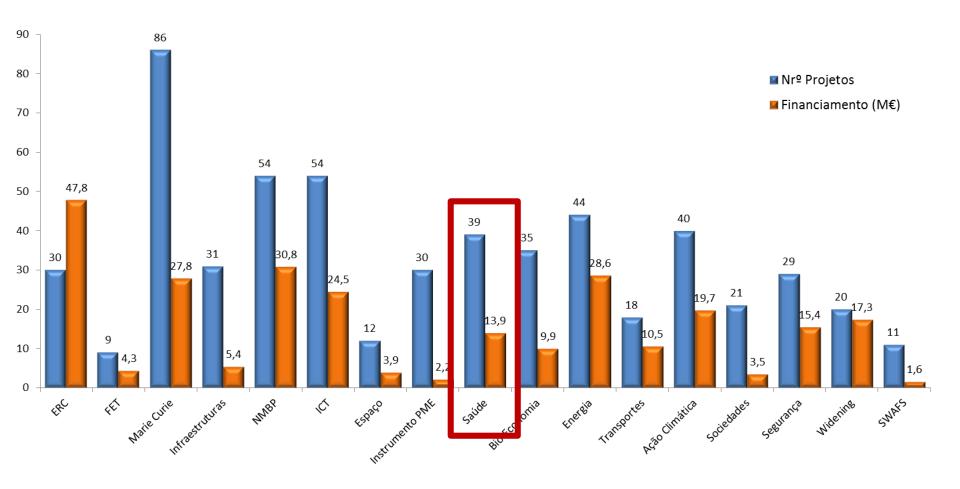
- Propostas: 4 710
- Projetos aprovados: 604
- Projetos coordenados: 159
- Participantes: 864
- Financiamento para PT 277 M€







# PARTICIPAÇÃO PORTUGUESA NO H2020









# PARTICIPAÇÃO PORTUGUESA NO DS1

- Propostas: 302
- Projetos aprovados: 39
- Taxa sucesso 13% (EU 9,5%)
- Projetos coordenados: 3
- Participantes: 46
- Financiamento para PT



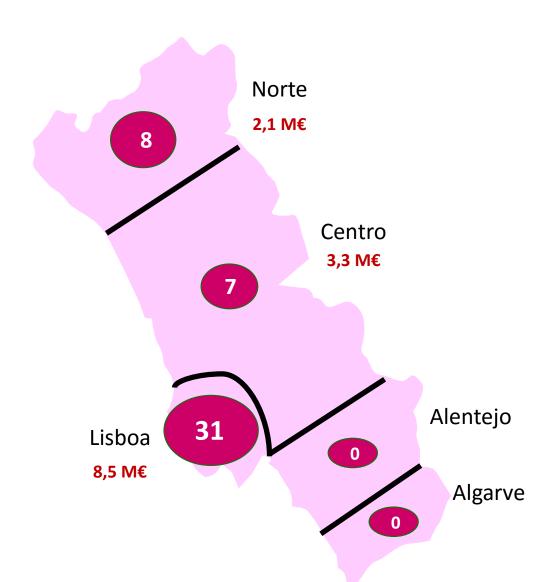




## DS1 – Participação regional e institucional

#### 2014-2015:

- > 39 projectos
- ➤ 3 coordenações
- > 46 participantes:
  - 16 Universidades
  - 8 Centros de Investigação
  - 10 Empresas (5 PME)
  - 12 Outros
- ➤ EU funding: 14 M€



# Em que projetos participamos?









#### **EURO-HEALTHY**

- Shaping EUROpean policies to promote HEALTH equity
- Universidade de Coimbra, Portugal
- 14 partners (PT: Instituto Superior Técnico)
- 3 M€

Shaping EUROpean policies to promote HEALTH equitY



#### Euro-Healthy

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#### Welcome to Euro-Healthy: "Shaping EUROpean policies to promote HEALTH equitY"

A three-year Horizon 2020 research project launched in January 2015 that aims to increase knowledge and resources on policies that have the potential to promote health and health equity across European regions with a focus on metropolitan areas. Euro-Healthy has eight research work packages and is formed by a consortia of collaborating partner institutions.

Within Euro-Healthy's objectives, the project will develop a population health index which will be supported by a web-based geographic information system. More information can be found in the Euro-healthy informative leaflet.

Euro-healthy partners participate in conferences, workshops and forums and disseminate project findings and collaborate with other related projects. These events are uploaded to the **news section**. You can also stay updated by reading the **Euro-Healthy newsletter**.

The NUTS (nomenclature of territorial units for statistics) level 2 map below includes the focal points participating in Euro-Healthy. Click on each city for detailed information.



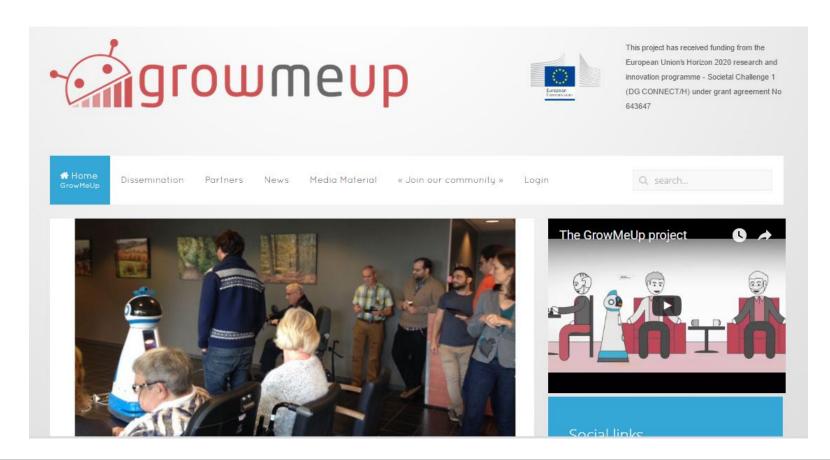






## **GrowMeUp**

- GrowMeUp
- Universidade de Coimbra, Portugal
- 8 partners (PT: <u>Cáritas Diocesana de Coimbra</u>)
- 2.8 M€



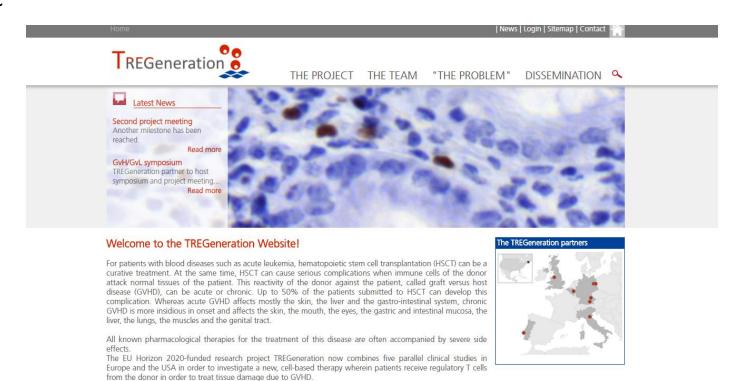






#### **TREGeneration**

- Repair of tissue and organ damage in refractory chronic graft versus host disease after hematopoietic stem cell transplantation by the infusion of purified allogeneic donor
- Instituto de Medicina Molecular, Portugal
- 9 partners
- 6 M€









## **MyCyFAPP**

- Innovative approach for self-management and social welfare of Cystic Fibrosis
  patients in Europe: development, validation and implementation of a telematics
  tool.
- Fundacion para La Investigacion del Hospital Universitario la Fe de la Comunidad Valenciana, Spain
- 12 partners (PT: <u>Faculdade de Medicina de Lisboa</u>)
- 5 M€



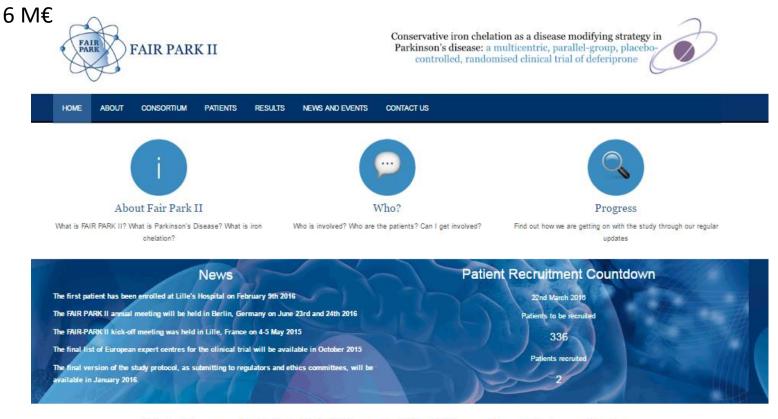






#### **FAIR-PARK-II**

- Conservative iron chelation as a disease-modifying strategy in Parkinson's disease: a multicentric, parallel-group, placebo-controlled, randomized clinical trial of deferiprone
- Centre Hospitalier Regional et Universitaire de Lille, France
- 15 partners (PT: <u>Instituto de Medicina Molecular</u>)



Find out more about Fair Park II from Prof David Devos, the project coordinator

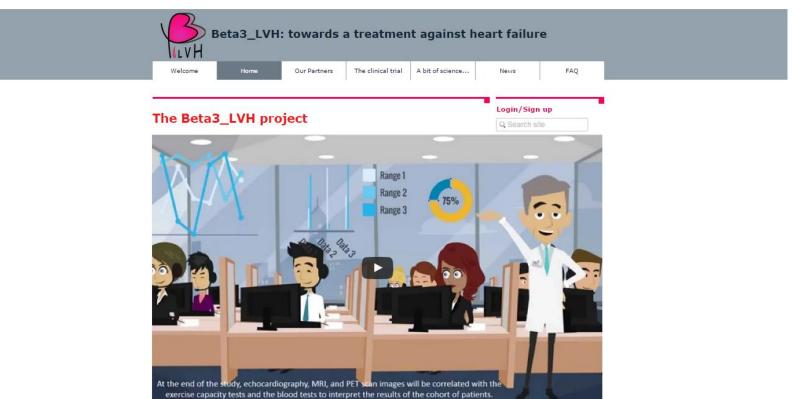






## BETA3\_LVH

- A multi-center randomized, placebo-controlled trial of mirabegron, a new beta3adrenergic receptor agonist on left ventricular mass and diastolic function in patients with structural heart disease
- Universite Catholique de Louvain, Belgium
- 12 partners (PT: <u>Faculdade de Medicina de Lisboa</u>)
- 5.4 M€









#### **CARBALIVE**

- Clinical evaluation of carbons of controlled porosity as a new therapeutic for the treatment of liver cirrhosis and non-alcoholic fatty liver disease
- University College London, UK
- 14 partners (PT: <u>Faculdade de Medicina de Lisboa</u>)
- 6 M€



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Clinical evaluation of nanoporous carbon adsorbent with tailored porosity (Yaq-001) as a new therapeutic for the treatment of liver cirrhosis and non-alcoholic fatty liver disease

WHO estimates that over 650 million people globally and more than 29 million European citizens suffer from a chronic liver condition with in excess of 170,000 European deaths from cirrhosis alone each year. Liver disease remains the 5n most common cause of death across Europe in individualsaged 45-65 years and costs more than €15.8bn per annum in total health costs and loss in economic productivity. Alarming increases in obesity rates and an ageing population mean that liver disease will become an even greater health concern for Europe over the next decade. The three major causes of liver disease, i.e. alcoholic liver disease, non-alcoholic fatty liverdisease (NAFLD) and viral hepatitis are amenable to prevention and treatmentproviding an opportunity to reduce the burden of liver disease in Europe and savinglives. Gut-derived endotoxemia and bacterial translocation play a central role in thepathogenesis of NAFLD, and the development of cirrhosis and its complications.

The academic- industrial consortium (CARBALIVE) has developed a novel strategy using nanoporous carbons of tailored porosity which is a cheap and safe approach that has been shown to reduce bacterial translocation and/or its products.



This project has received funding from the European Union's Horizon 2020 research and CARBAL VE



#### Project Co-ordinator

Professor Rajiv Jalan.

Professor of Hepatology

UCL Institute of liver and digestive diseases, UCL Medical School, Royal Free Hospital, Rowland Hill, London. NW3 2PF, UK

E.mail: r.jalan@ucl.ac.uk







#### **NoHoW**

- Evidence-based ICT tools for weight loss maintenance
- Region Hovedstaden, Denmark
- 14 partners (PT: <u>Univ Lisboa</u>, <u>Fac Motricidade Humana</u> e <u>Univ Coimbra</u>)
- 5 M€



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#### **ABOUT NOHOW**

research in weight loss maintenance

Weight loss maintenance is difficult. We will learn how to help people do it.

Health problems associated with obesity are a major healthcare challenge. Effective interventions and successful commercial weight loss programmes to help people lose weight already exist. However, most people re-gain the weight they lose – weight loss maintenance is really difficult.

Researchers already know that weight loss maintenance (WLM) depends on changing behaviours. There are many techniques available to help people change their behaviour in the long term but we still don't know which of these techniques work best for WLM or why. We also don't know how different social and healthcare contexts influence the effectiveness of different techniques. To better tackle obesity and being



Which techniques work best for WLM? The NoHoW team is working on strategies and predictors for WLM.

#### CHANGING BEHAVIOUR

how different people change their behavior to maintain their weight loss. At the moment, we don't know enough about how people maintain their weight loss, or why they regain weight, to develon really effective programmes for

NOHOW TOOLKIT FOR







#### **EmERGE**

- Evaluating mHealth technology in HIV to improve Empowerment and healthcare utilisation: Research and innovation to Generate Evidence for personalised care
- Brighton and Sussex University Hospitals NHS Trust, UK
- 13 partners (PT: <u>Centro Hospitalar Lisboa Central</u>)
- 5.5 M€









#### **VALUeHEALTH**

- Establishing the value and business model for sustainable eHealth services in Europe
- European Institute for Health Records, France
- 8 partners (PT: <u>SPMS</u>)



Establishing the value and business model for sustainable eHealth services in Europe

\* \* \*

Welcome

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#### Welcome

13/08/2015

VALUEHEALTH is an EU funded R&D project within the Horizon 2020 Framework Programme.

VALUEHEALTH is establishing how eHealth interoperability can create, deliver, and capture value for all stakeholders, to justify a sustainable market in scaling up cross-border interoperability. The consortium is developing an evidence-based business plan for sustainable interoperability, with sustainable revenue streams for developing and operating self-funding priority pan-European eHealth Services beyond 2020.

VALUEHEALTH comprises a rich multi-stakeholder consortium of experienced partners and funded experts, to bring together many essential viewpoints to undertake the work plan and - importantly - to endorse and champion its results.



Starting with the cross-border interoperability use cases already approved by the eHealth Network for the CEF [1], eight VALUeHEALTH partners cooperate with multiple stakeholders though a robust methodology to prioritise use cases relevant to Member States for cross-border and also within border health service business needs.

The concortium is

#### Latest news

24 March 2016

#### BioData World Congress 2016

26-27 October 2016 Wellcome Genome Campus, Cambridge





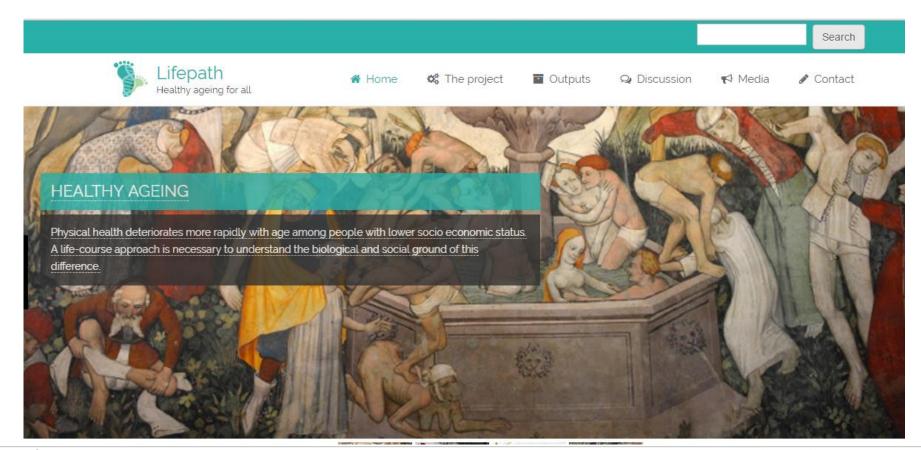






#### LIFEPATH

- Lifecourse biological pathways underlying social differences in healthy ageing
- Imperial College of Science Technology and Medicine, UK
- 13 partners (PT: Instituto Saúde Pública Universidade Porto)
- 6 M€









## **SOUND**

- Statistical multi-Omics UNDerstanding of Patient Samples
- European Molecular Biology Laboratory, Germany
- 10 partners (PT: <u>Instituto Engenharia Mecânica</u>)
- 3 M€



#### About SOUND

SOUND is an international research project funded by the European Commission within its H2020 Research and Innovation programme "Personalising Health and Care". Its objective is to create the bioinformatic tools for statistically informed use of personal genomic and other 'omic data in medicine, including cancers and rare metabolic diseases. The partners comprise bioinformatician-statisticians and physician-scientists from leading institutions in personalized medicine including NCT and EMBL Heidelberg, ETH and University Hospital Zurich, TLL Munich









## **MedBioinformatics**

- Creating medically-driven integrative bioinformatics applications focused on oncology,
   CNS disorders and their comorbidities
- Consorcio Mar Parc de Salut de Barcelona, Spain
- 9 partners (PT: <u>BMD Software S.A.</u>)
- 3.5 M€

Med Bioinformatics

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#### MedBioinformatics supported the ECTB 2016

The "1st European Conference on Translational Bioinformatics" (ECTB 2016) took place at the Ceremonial Hall of the University of Copenhagen during April 26-27. During these two days, 150 delegates and ...



#### MedBioinformatics 4th General Assembly Meeting

The fourth General Assembly meeting of the MedBioinformatics project took place in Copenhagen on June 25th 2016. This short meeting was focused mainly on sustainability and business models, with an initial ...

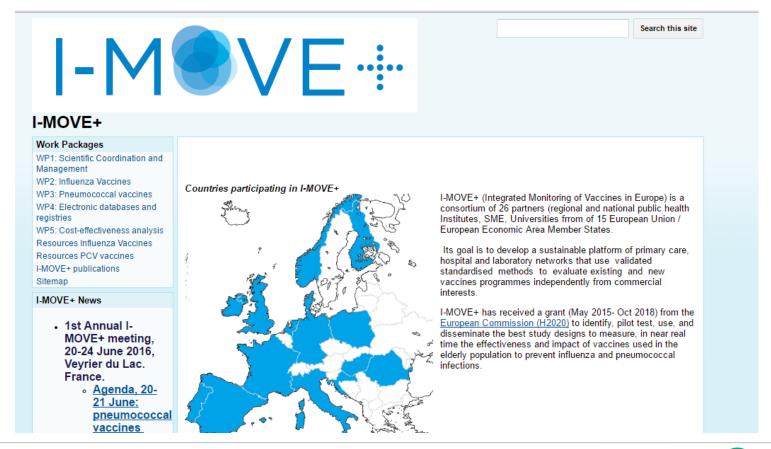






#### i-MOVE +

- Integrated Monitoring of Vaccines Effects in Europe
- EPICONCEPT, France
- 25 partners (PT: <u>Instituto Nacional de Saúde Dr Ricardo Jorge</u>)
- 7.5 M€









## **EUthyroid**

- Towards the elimination of iodine deficiency and preventable thyroid-related diseases in Europe
- Universitatsmedizin Greifswald Korperschaft des Offentlichen Rechts, Germany
- 32 partners (PT: Ministério da Defesa Nacional)
- 3 M€

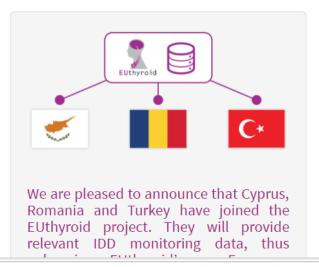


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#### WELCOME TO EUthyroid

IMPRINT

Currently Europe has no harmonised approach to ensure iodine intake of European citizens is sufficient to prevent health problems. EUthyroid is an EU-funded research project to evaluate current national efforts aimed at preventing iodine deficiency disorders. We aim to provide evidence for a cost effective harmonised approach to iodine prevention in Europe.









#### **SILNE-R**

- Enhancing the effectiveness of programs and strategies to prevent youth smoking: a comparative realist evaluation of 7 European cities
- Academisch Medisch Centrum bij de Universiteit van Amsterdam, The Netherlands
- 10 partners (PT: <u>Escola Nacional de Saúde Pública</u>)
- 3 M€



SILNE-R: Enhancing the effectiveness of strategies to prevent smoking in adolescents



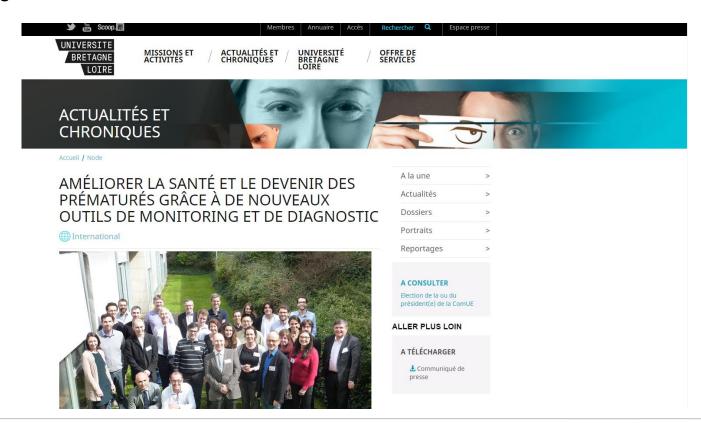






## **Digi-NewB**

- Non-invasive monitoring of perinatal health through multiparametric digital representation of clinically relevant functions
- GCS Hopitaux Universitaires Grand Ouest, France
- 7 partners (PT: INESC-TEC)
- 4.5 M€









## my-AHA

- My Active and Healthy Aging
- Universita Degli Studi di Torino, Italy
- 16 partners (PT: <u>Associação Fraunhofer Portugal Research</u>)
- 4.2 M€









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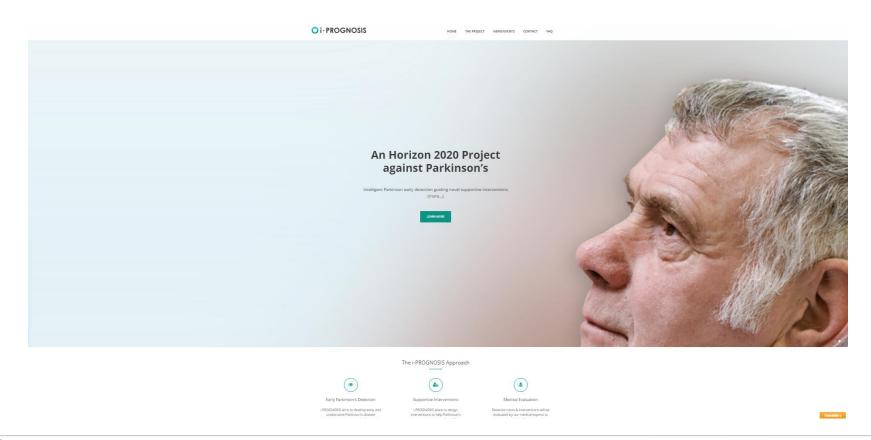






## **i-PROGNOSIS**

- Intelligent Parkinson eaRly detection Guiding Novel Supportive InterventionS
- Aristotelio Panepistimio Thessalonikis, Greece
- 11 partners (PT: <u>Faculdade de Motricidade Humana</u> e <u>PLUX WIRELESS BIOSIGNALS S.A</u>)
- 4 M€



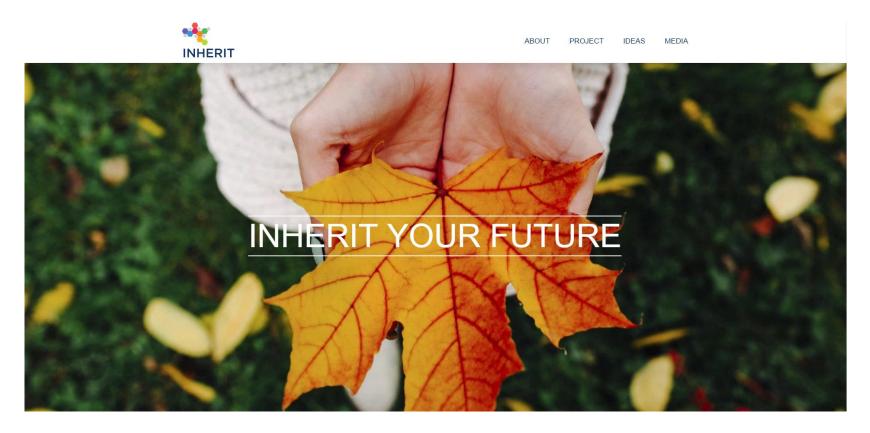






## **INHERIT**

- INter-sectoral Health Environment Research for InnovaTions
- Eurohealthnet ASBL
- 18 partners (PT: <u>Instituto Universitário de Lisboa</u>)
- 6 M€



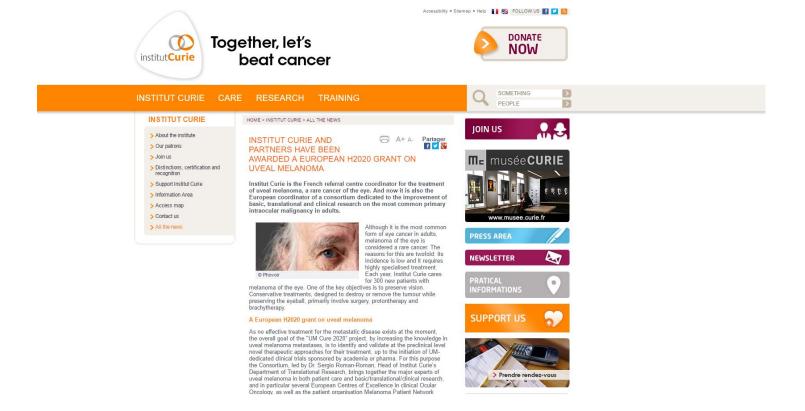






#### **UM Cure 2020**

- New therapies for uveal melanoma
- Institut Curie, France
- 12 partners (PT: <u>Fundação Champalimaud</u>)
- 6.2 M€









# Will YOU be next?



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