



Gabinete de Promoção do
Programa Quadro ID&I

Programa Horizonte 2020: Balanço e Ações Prioritárias

Ana Sutcliffe

Cim Alto Minho

07/03/2019



Pontos de Contacto Nacional Horizonte 2020

www.gppq.pt/h2020/contactos_ncp.php



O que é o Horizonte 2020 ?

não é o Portugal 2020!!!



*Horizonte 2020
77 b€ para financiar I&I*

THE EU FRAMEWORK PROGRAMME
FOR RESEARCH AND INNOVATION

HORIZON 2020



EXCELLENT SCIENCE
COMPETITIVE INDUSTRIES
BETTER SOCIETY

o Horizonte 2020 está dividido em 3 pilares

dentro de cada pilar há vários temas

para cada tema há um Programa de Trabalho

em cada Programa de Trabalho há vários tópicos

cada tópico apoia diferentes tipos de ações

Excellent Science ~ 24 400 M€

- **European Research Council**

Frontier Research by the best individual teams

- **Future and Emerging Technologies**

Collaborative research to open new fields of innovation

- **Marie Skłodowska-Curie Actions**

Opportunities for training and career development

- **Research Infrastructures**
(including e-infrastructure)

Ensuring access to world class facilities

Bottom up

Industrial Leadership ~ 17 800 M€

- **Leadership in enabling and industrial technologies**

Space, ICT, NMBP
(nanotechnologies, advanced materials, biotechnology, manufacturing)

- **Access to Risk finance**

Leveraging private finance and venture capital for research

- **Innovation in SMEs**

Fostering all forms of innovation in all types of SMEs

Top down

Societal Challenges ~ 29 700 M€

1. Health, demographic change and wellbeing

2. Food security, sustainable agriculture, marine and maritime research & the bioeconomy

3. Secure, clean and efficient energy

4. Smart, green and integrated transport

5. Climate action, environment, resource efficiency and raw materials

6. Inclusive, innovative and reflective societies

7. Security society

Top down

Programa de Trabalho

- bienal (2018-2019) + 2020

Tópicos

- desafio
- foco
- impacte esperado

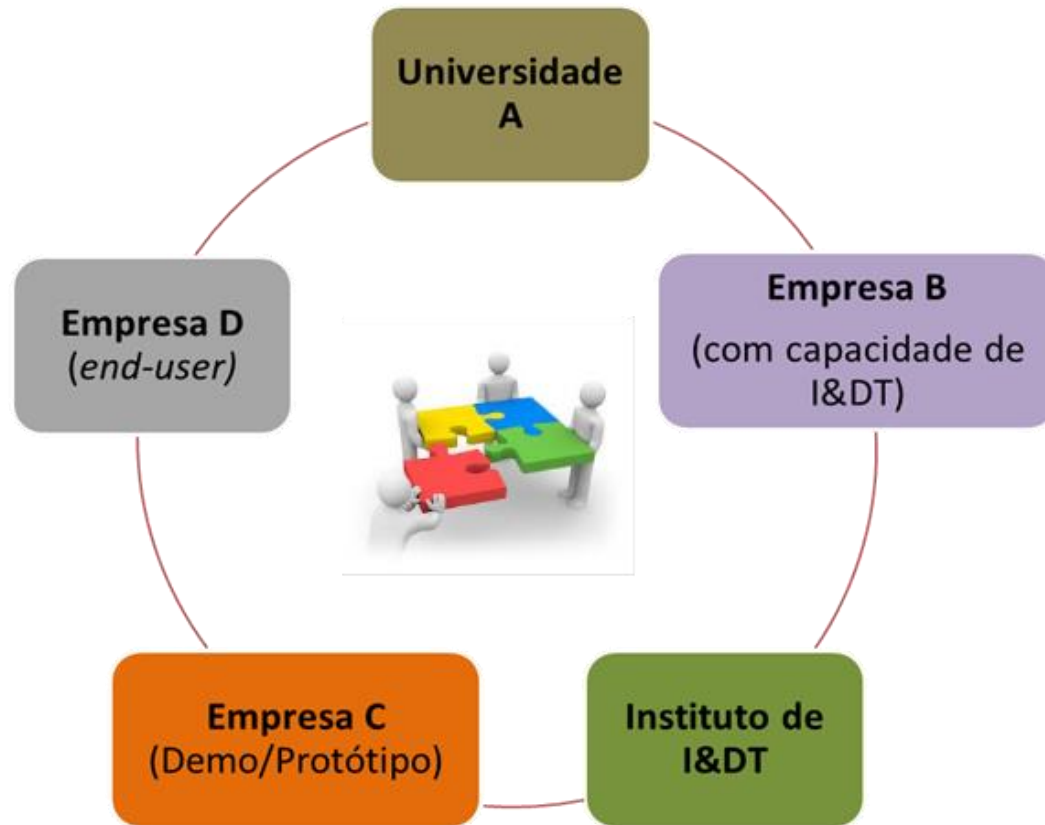
Ações

- RIA - Investigação e inovação: novos conhecimentos
- IA - Inovação: conceção de planos ou produtos
- CSA - Coordenação e suporte

Financiamento

- Fundo perdido
- Ações Investigação e Inovação: **100%**
- Ações Inovação: **70%**
- + **25%** custos indiretos
- Despesas elegíveis podem incluir custos de pessoal, amortização de equipamento, consumíveis, viagens, disseminação, etc.

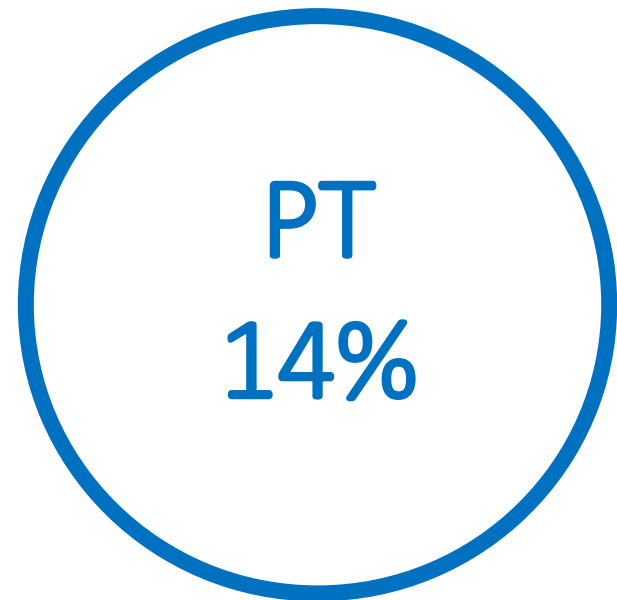
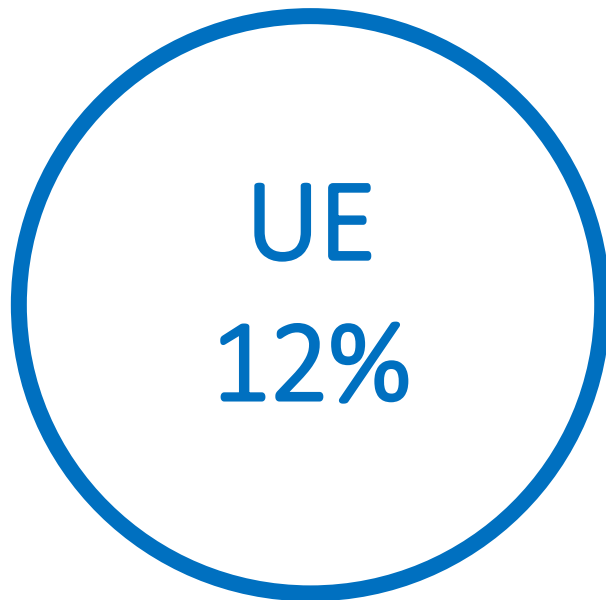
Pelo menos 3 entidades independentes de 3 EM ou EA diferentes



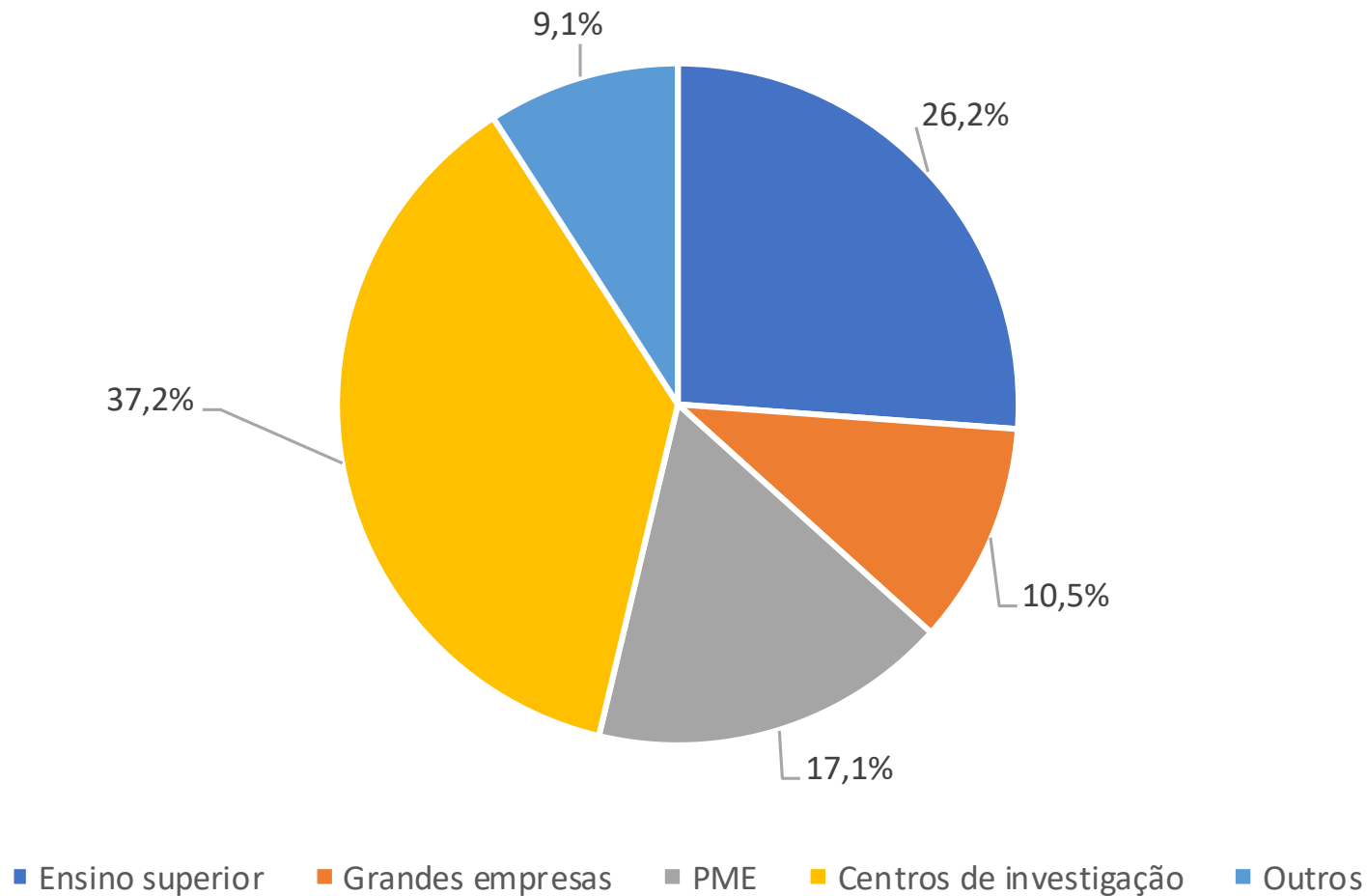
Participação Nacional 2014-2018

- **Propostas: 10765**
- **Projetos aprovados: 1544**
- **Projetos coordenados: 425**
- **Participantes: 2252**
- **Financiamento para PT: 679 M€**
- **1,6%**

taxa de sucesso



Financiamento nacional por tipo de entidade



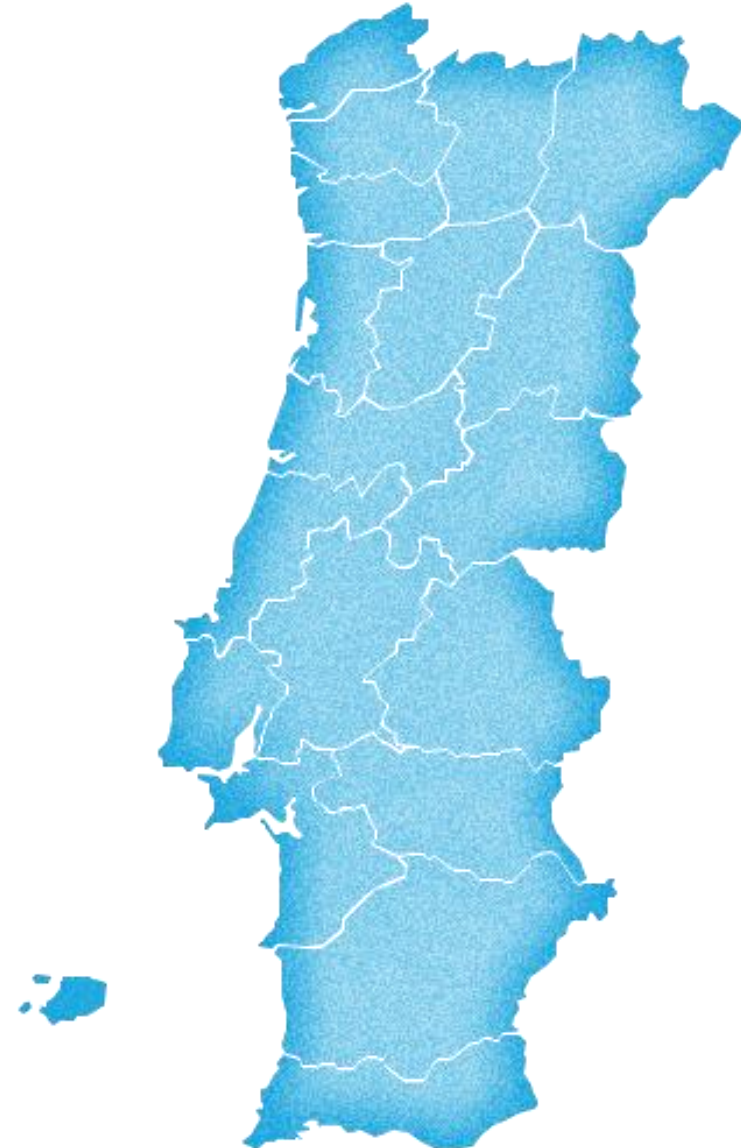
Cidades no H2020

2014-2018

As Cidades Portuguesas no H2020

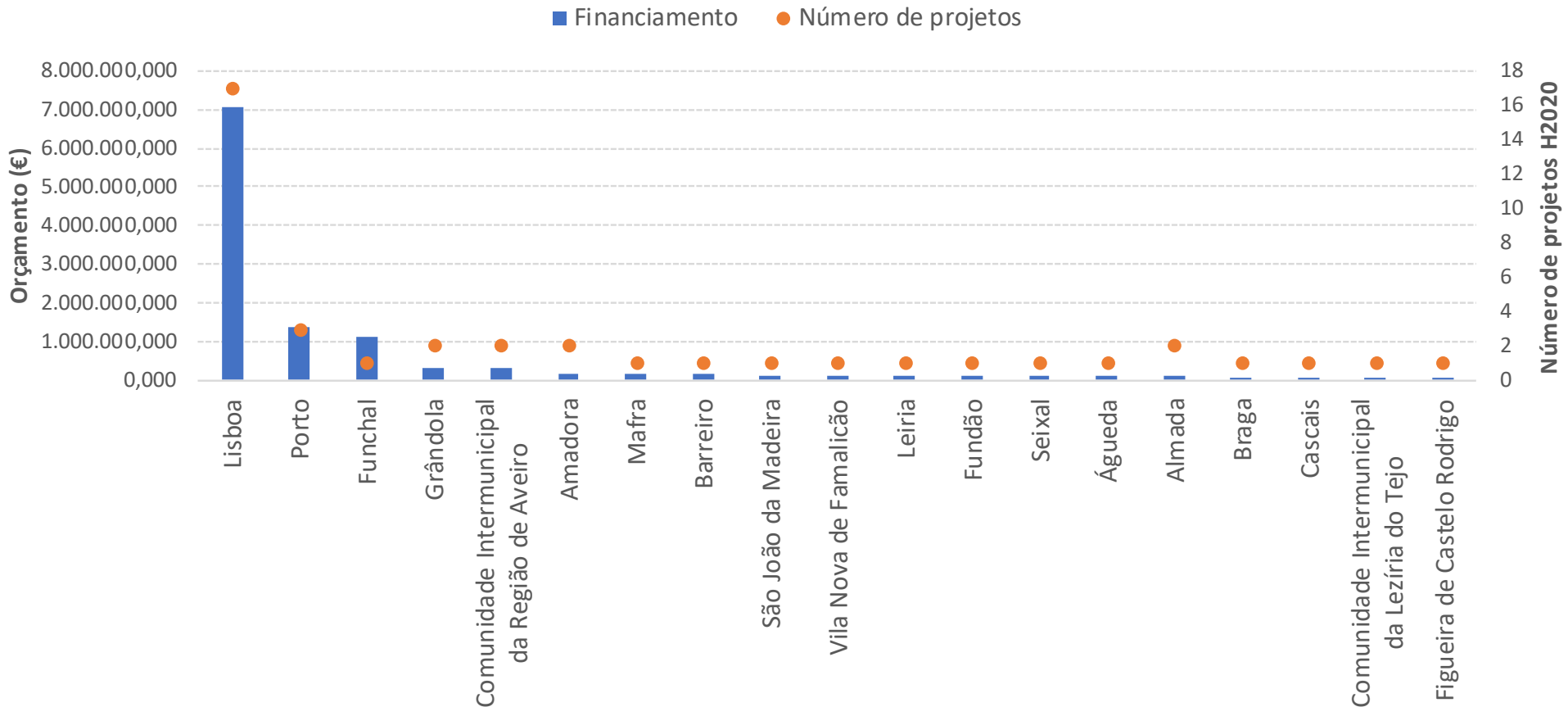
Projetos aprovados: 41 **Financiamento para PT: 11,4 M€**

Braga
Vila Nova de Famalicão
Porto
São João da Madeira
Aveiro
Águeda
Comunidade Intermunicipal da Região de Aveiro
Figueira de Castelo Rodrigo
Leiria
Fundão
Maфра
Comunidade Intermunicipal da Lezíria do Tejo
Lisboa
Cascais
Almada
Amadora
Barreiro
Seixal
Grãndola
Funchal



As Cidades Portuguesas no H2020

Projetos aprovados: 41 Financiamento para PT: 11,4 M€



URBiNAT

Healthy corridors as drivers of social housing neighbourhoods for the co-creation of social, environmental and marketable NBS

<https://urbinat.eu/>

COORDENADOR

Centro de Estudos Sociais (CES), Universidade de Coimbra

- regeneration and integration of deprived social housing urban developments through an innovative and inclusive catalogue of Nature-Based Solutions (NBS)
- focus on the public space to co-create with citizens new urban, social and nature-based relations within and between different neighbourhoods
- co-plan a healthy corridor as an innovative and flexible NBS

CIDADES

Porto | Nantes | Sofia | Hoje-Taastrup | Brussels | Nova Corica | Siena
Khorramabad | Shenyang

<https://youtu.be/FWnH5T9GX9I>

Cidades Inteligentes, Sustentáveis, Resilientes no Horizonte 2020

oportunidades
2019-2020

Agenda 2030 para o Desenvolvimento Sustentável

ODS 11 ("*Make cities inclusive, safe, resilient and sustainable*")



Desafio Societal Bioeconomia (DS2)

FNR-03-2020: A comprehensive vision for urban agriculture

- exchange of knowledge and experience in urban farming
- academia, municipalities, urban farmers, businesses, citizen associations, etc
- representative set of urban locations and countries (including least developed countries)
- guidance and recommendations to stakeholders and policy makers

2 M€



Mariajoao.fernandes@ani.pt

Single-stage: 22 jan 2020

2 M€ por projeto

Coordination and Supporting Action (CSA)

Desafio Societal Bioeconomia (DS2)

FNR-04-2020: FOOD 2030 - Empowering cities as agents of food system transformation

- intervention on the whole **city region food system**
- **10 European cities**, of different size and geographical settings, across Europe
- development and implementation of urban food systems policies, related actions and innovation accelerators/living labs
- **public and private stakeholders** throughout the whole food system
- partner with **local authorities** with a view of creating political commitment

34 M€



Mariajoao.fernandes@ani.pt

Single-stage: 22 jan 2020
10-11 M€ por projeto
Innovation Action (IA)

Desafio Societal Bioeconomia (DS2)

FNR-15-2020: Pilot circular bio-based economy cities: sustainable production of bio-based products from urban biowaste and wastewater

[2018 EU Bioeconomy Strategy](#) → 'cities should become major circular bioeconomy hubs.'

- pilot group of **10 European cities** to draft, launch and implement the bio-based part of their **urban circular bioeconomy** strategies and to monitor and assess the results.
- This topic is not about reducing waste, but only covers its **valorisation** through the **production of bio-based products from urban biowaste and wastewater**

8 M€



Mariajoao.fernandes@ani.pt

Single-stage: 22 jan 2020
8 M€ por projeto
Innovation Action (IA)

Desafio Societal Energia (DS3)

LC-SC3-SCC-1-2018-2019-2020: Smart Cities and Communities

- role of cities to rapidly reduce greenhouse gas emissions and adapting to climate change
- Integrated innovative solutions for **Positive Energy Blocks/Districts** will be developed and tested and performance-monitored in the Lighthouse Cities
- interaction and integration between the buildings, the users and the larger energy system
- Lighthouse Cities will closely collaborate with the Fellow Cities

83 M€

Luis.maia@ani.pt

15-20 M€ por projeto
Innovation Action (IA)



Desafio Societal Ação Climática (DS5)

LCA-CLA-11-2020: Innovative nature-based solutions for carbon neutral cities and improved air quality

- **Nature Based Solutions** in diverse structures and configurations (e.g. mix of vegetation and trees, species, shape, spatial distribution of public green space and vegetation coverage)
- **optimal solutions and appropriate typologies** fitting to different contexts in terms of different climatic, environmental and socio-economic conditions and different urban designs
- **Benefits and co-benefits** (including citizens' health and well-being)
- **Tools, models, design guidelines, standards and protocols** to integrate these solutions into **local decision making**, including in spatial planning



Anabela.carvalho@ani.pt

10 M€ por projeto
Innovation Action (IA)

Desafio Societal Ação Climática (DS5)

LC-CLA-13-2020: Climate Resilience of European coastal cities and settlements

- **coastal resilience plans** and **adaptation pathways** (i.e. protect, accommodate, or retreat options)
- state-of-the-art **predictions of sea-level changes** on time scales of years to decades to identify urban coastal areas at risk of flooding and erosion
- assessment of the **robustness and effectiveness** of protective structures measures and governance structures
- **resilience plans** for vulnerable urban areas implementing
- pilot studies comprising "**front-runner**" cities advanced in the elaboration and implementation of coastal adaptation and resilience plans mentoring "**follower**" cities



Anabela.carvalho@ani.pt

10 M€ por projeto
Research and Innovation Action (RIA)

Desafio Societal Ação Climática (DS5)

SC5-27-2020: Enhanced natural treatment solutions for water security and ecological quality in cities

- methodologies and guidance for the design and implementation of **urban enhanced natural treatment systems** and their integration into the urban water cycle, the urban landscape and the receiving waters
- **new business models** for their construction, operation and long-term management and maintenance and standards for the treatment processes and the different uses
- **pilots/demonstrations** for testing innovative approaches or the use of established solutions under new conditions and monitoring
- methodologies for **public/social engagement**
- **at least 3 cities** from different Member States or Associated Countries
- EU-China flagship initiative on Environment and Sustainable Urbanisation

Anabela.carvalho@ani.pt

10 M€ por projeto
Innovation Action (IA)



Dicas?



“VERIFICAR” projetos já financiados

<https://cordis.europa.eu/projects/en>

The screenshot displays the CORDIS website interface. At the top left is the European Commission logo and the text 'CORDIS Bringing you the results of EU research and innovation framework programmes since 1990: Horizon 2020, FP7 and earlier'. On the top right, there is a language selector set to 'English' and a 'Sign in' button. A navigation bar contains links for 'HOME', 'RESULTS PACKS', 'PROJECTS & RESULTS', 'RESEARCH*EU MAGAZINES', 'NEWS & EVENTS', and 'ABOUT US'. Below this is a utility bar with 'Save search', 'My saved searches', and 'Download search results' options, along with a 'My booklet' link.

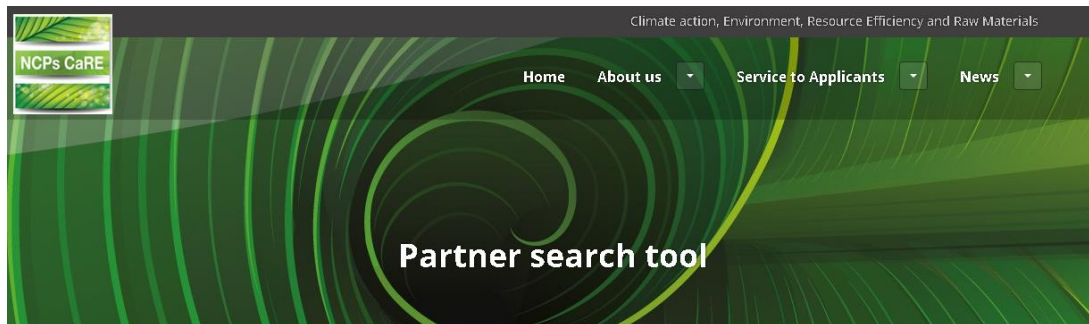
The main content area shows a search for 'sustainable cities'. The search bar contains the text 'sustainable cities' and an 'Edit query' link. Below the search bar, it indicates '104 results for *sustainable cities*'. The 'Filtered by:' section shows 'Terms: sustainable cities' and 'Collection: Projects, Results in Brief, Report Summaries, Project Deliverables, Project Publications'. A 'Clear all filters' link is also present.

A search result card for 'URBAN GreenUP - New Strategy for Re-Naturing Cities through Nature-Based Solutions' is highlighted. It features the 'HORIZON 2020' logo and the 'PROJECTS' label. The card includes the ID '730426', the period 'From: 1 June 2017 to 31 May 2022', a description of the project's goals, the coordinated location 'Spain', the programme 'H2020-EU.3.5.2.1, H2020-EU.3.5.2.3, H2020-EU.3.5.1.2, H2020-EU.3.5.1.3, H2020-EU.3.5.2.2', and the last update date '28 July 2017'. An 'Add to my booklet' button is located at the bottom right of the card.

On the left side, a 'Filters' sidebar is visible with the following options:

- Collection
 - Select all
 - Projects
 - Results Packs
 - Research*eu magazines
 - Results in Brief
 - News
 - Project Deliverables
 - Project Publications
 - Report Summaries
 - Events
 - Programmes

“PUBLICITAR” perfil de colaboração numa plataforma de procura de parceiros



<http://partnersearch.ncps-care.eu/>



https://ec.europa.eu/research/participants/portal/desktop/en/organisations/partner_search.html



Apostar no *networking*

Conhecer quem está envolvido em projetos e iniciativas

Ler cuidadosamente o texto da Call

Perseverança e resiliência

Obrigada

Ana Sutcliffe
ana.sutcliffe@gppq.pt