



Fundação para a Ciência e a Tecnologia
MINISTÉRIO DA CIÊNCIA, TECNOLOGIA E ENSINO SUPERIOR



AGÊNCIA NACIONAL
DE INOVAÇÃO

Nanotecnologia, Materiais Avançados e Processos de Produção

Prioridades no médio prazo (2018-2020)

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O QUE É O HORIZONTE 2020?

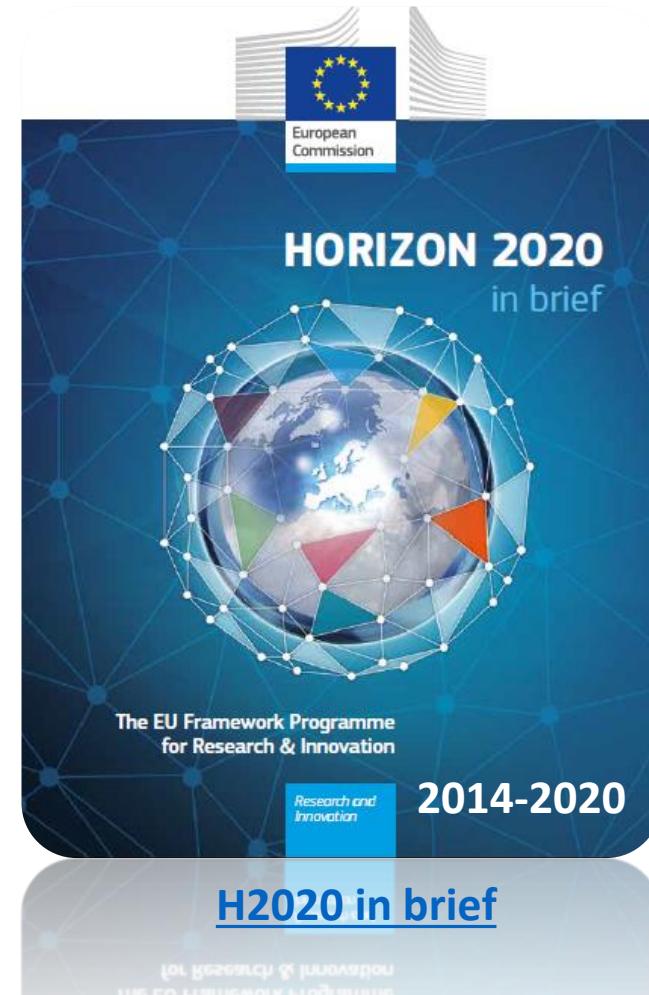
8th Framework Programme for Research & Innovation

**Integração de financiamento para a
investigação & inovação, da
investigação ao mercado**

Desafios Societais | Liderança Industrial |
Excelência Científica

**Fácil acesso a todos os atores
envolvidos em investigação & inovação**
(empresas, universidades, centros de investigação,
outras entidades públicas/privadas)

~79 b€ of funding
available over 7 years



ESTRUTURA DO H2020

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**
ICT, NMBP (nanotechnologies, advanced materials, biotechnology, manufacturing), Space 
Top down
- **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**, resource efficiency and raw materials
6. Inclusive, innovative and reflective **societies**
7. Security **society**

Top down

European Institute of Innovation and Technology (EIT) (~2700 M€)

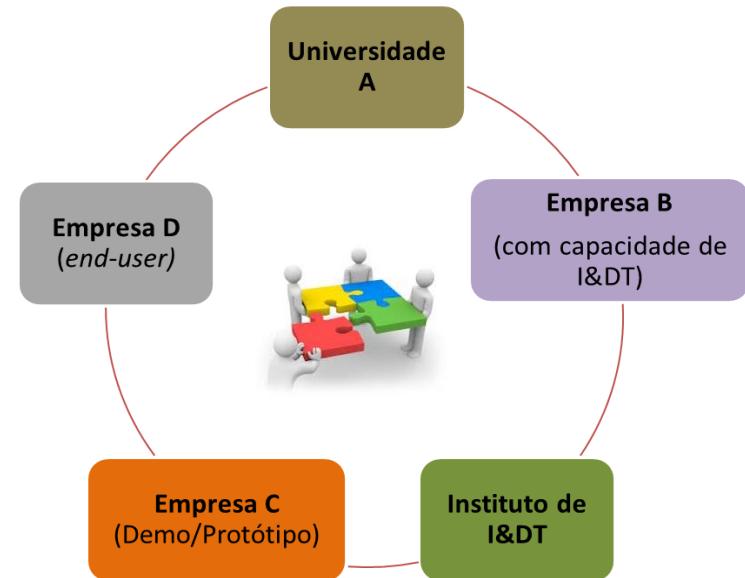
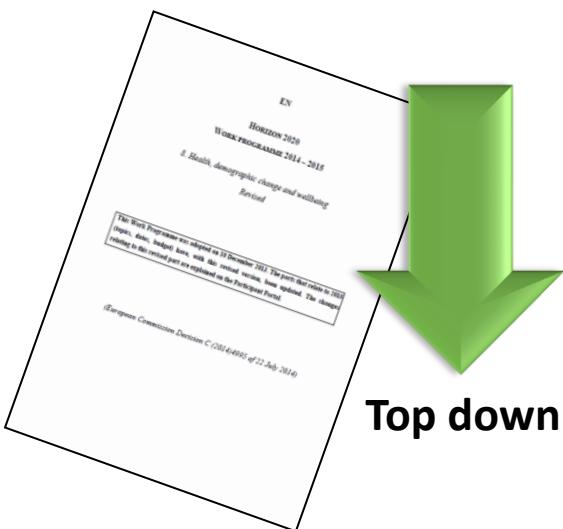
Spreading Excellence and Widening Participation (~1900 M€)

Science with and for Society (~1600 M€)

Joint Research Centre (JRC)

FINANCIAMENTO NO H2020 – COMO FUNCIONA?

- Programas de Trabalho bianuais
- Projetos em colaboração (mínimo 3 MS ou AC)





Gabinete de Promoção dos
Programa Quadro ID&I

Enquadramento, resultados H2020 e casos de sucesso NMP

Roadshow NMP, Porto

25/05/2017

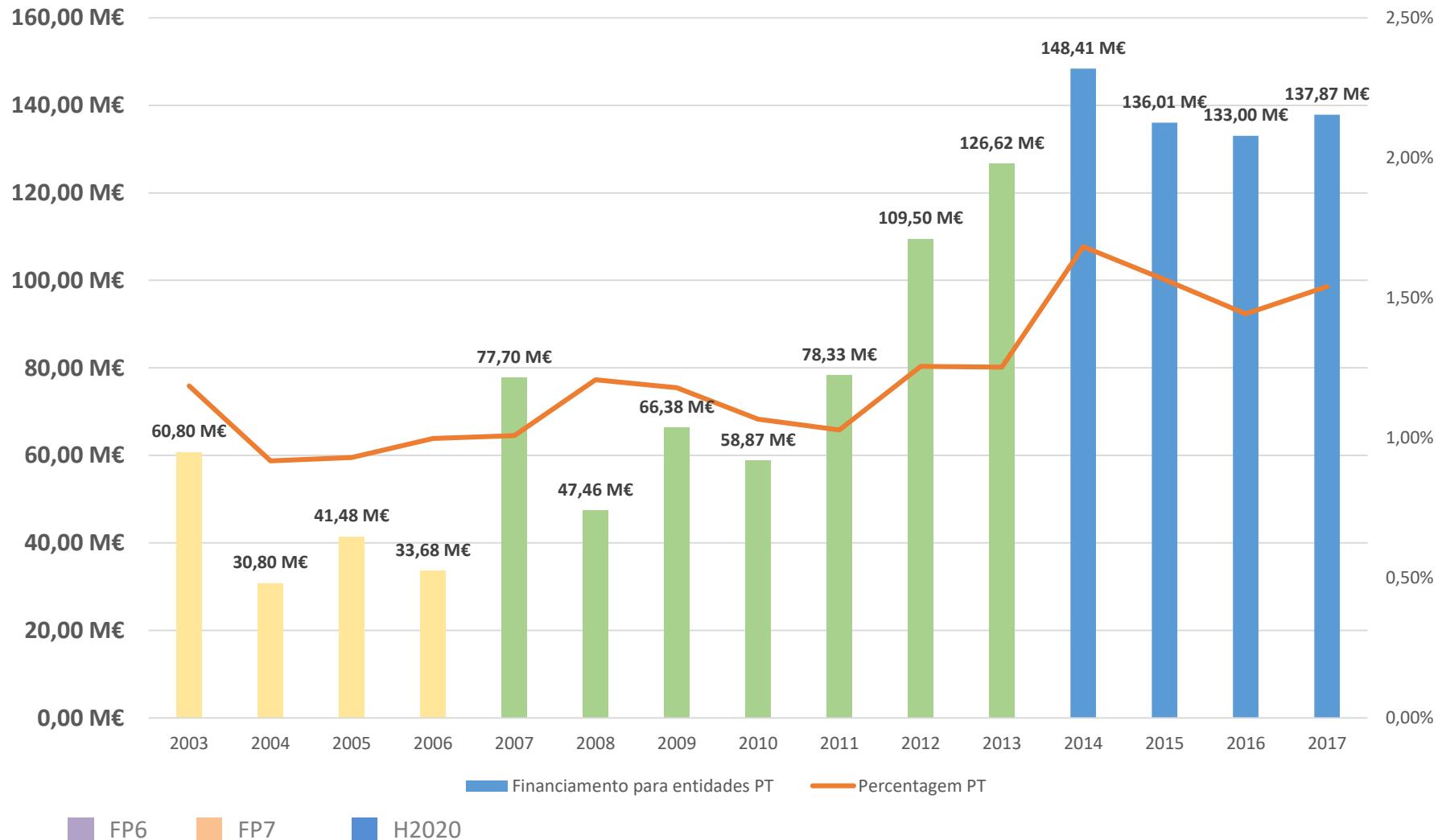


AGÊNCIA NACIONAL
DE INOVAÇÃO

Participação PT no H2020 (2014-2017)



Participação PT I FP 2003-2017



Propostas: 9043

Projetos : 1269

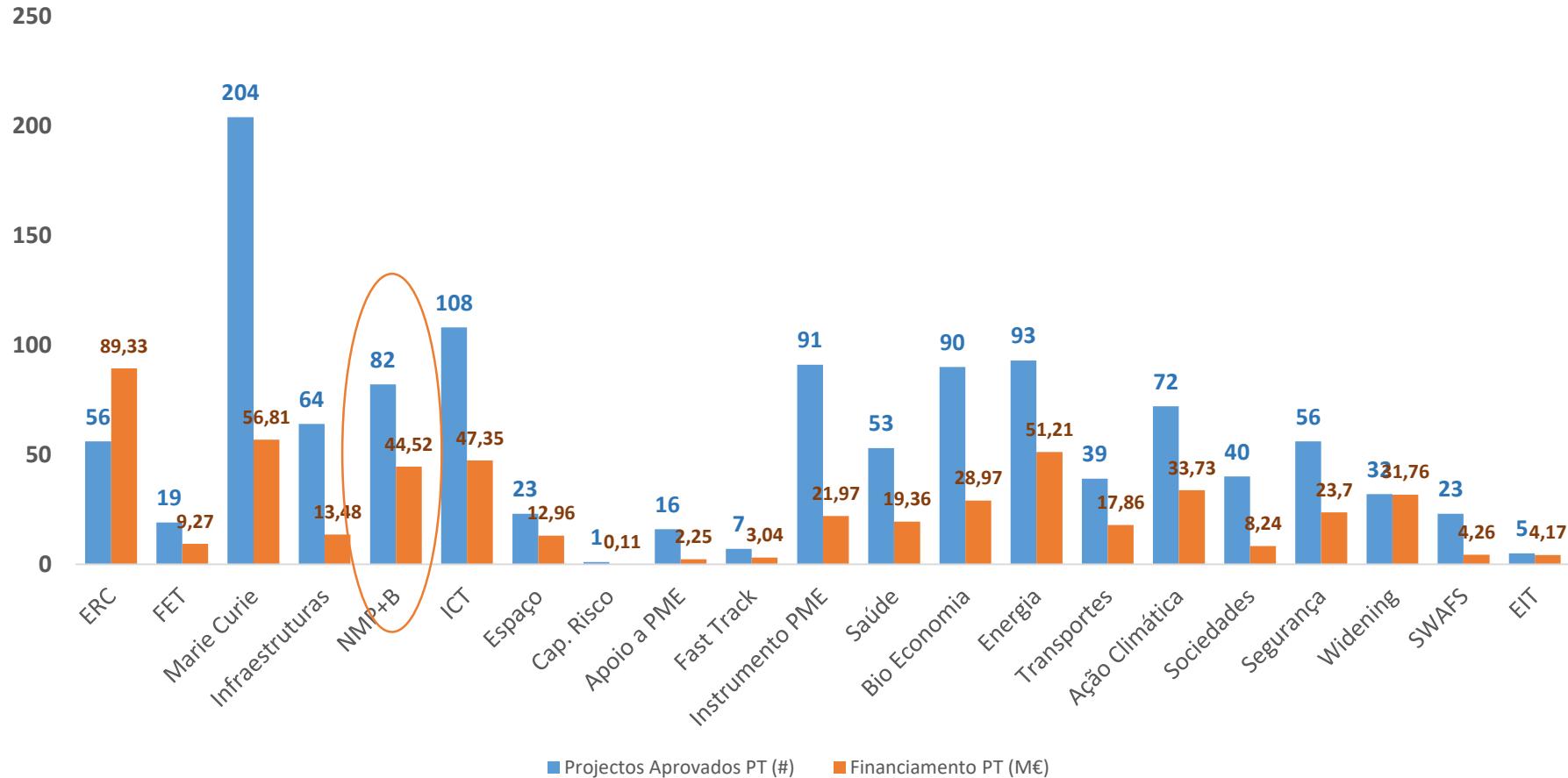
Coordenações : 363

Participações: 1829

Total PT funding: 555,29 M€

Dados: Calls 2014 – 2017

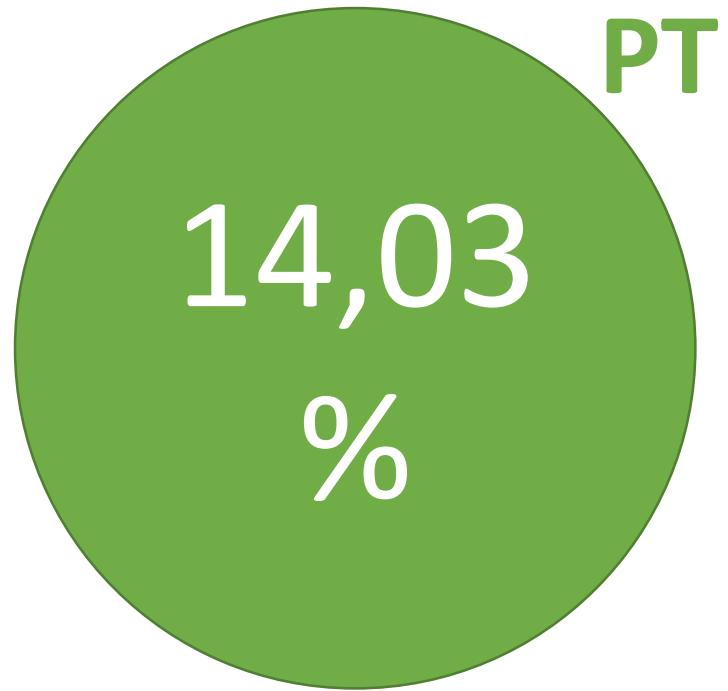
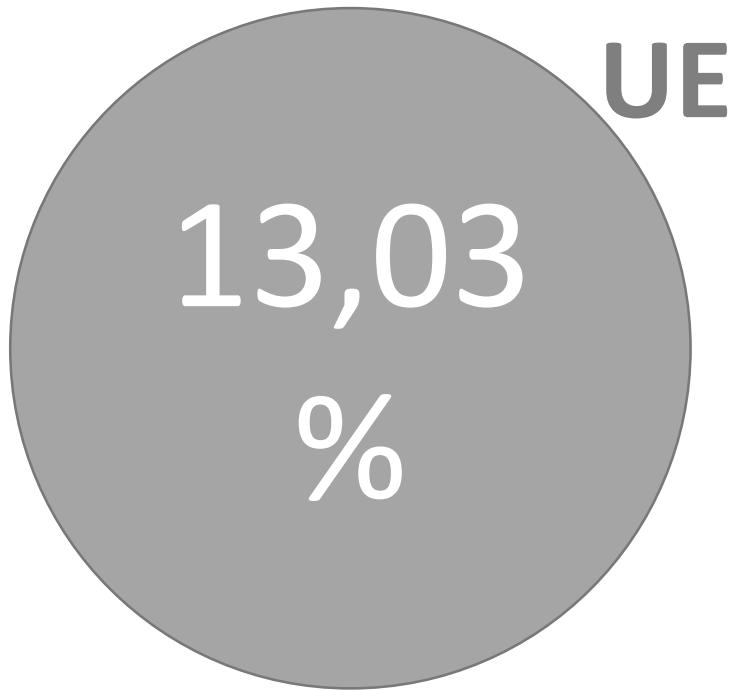
Participação PT I H2020 2014-2017



Dados: Calls 2014 – 2017

PT Total Funding: 55,29 M €

PARTICIPAÇÃO PT NO H2020 (2014 – 2017)



Taxa de sucesso – número de propostas

Para vossa motivação...

Participação Nacional no NMP (2014 - 2017)



Propostas: 436

Projetos : 82

Coordenações : 14

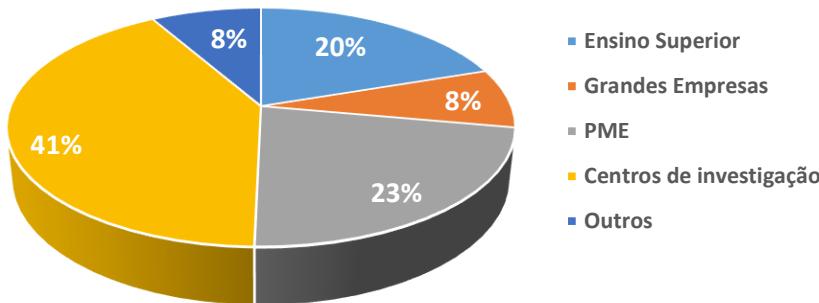
Participações: 132

Total PT funding: 44,52 M€

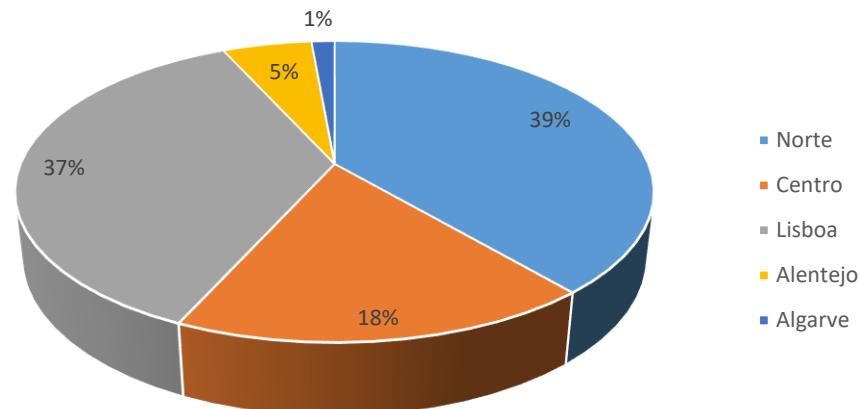
Dados: Calls 2014 – 2017

Participação PT NMBP I H2020 2014-2017

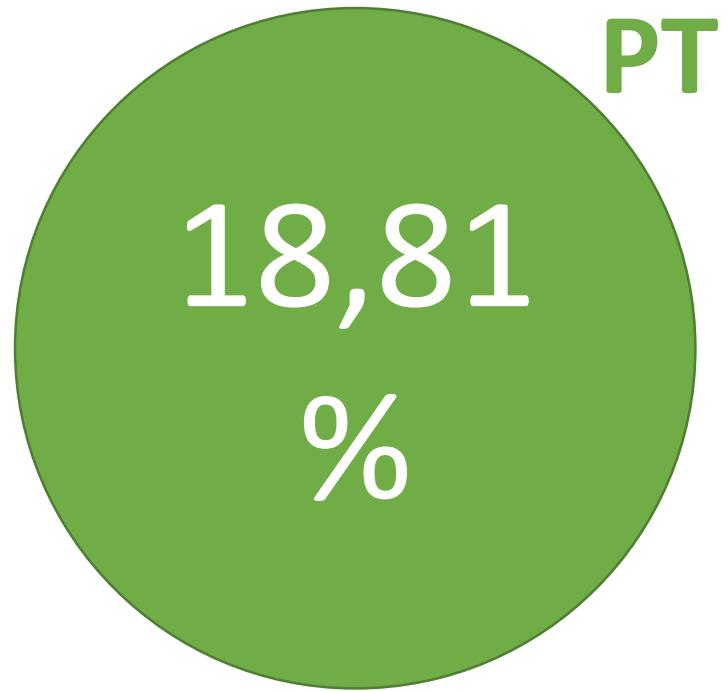
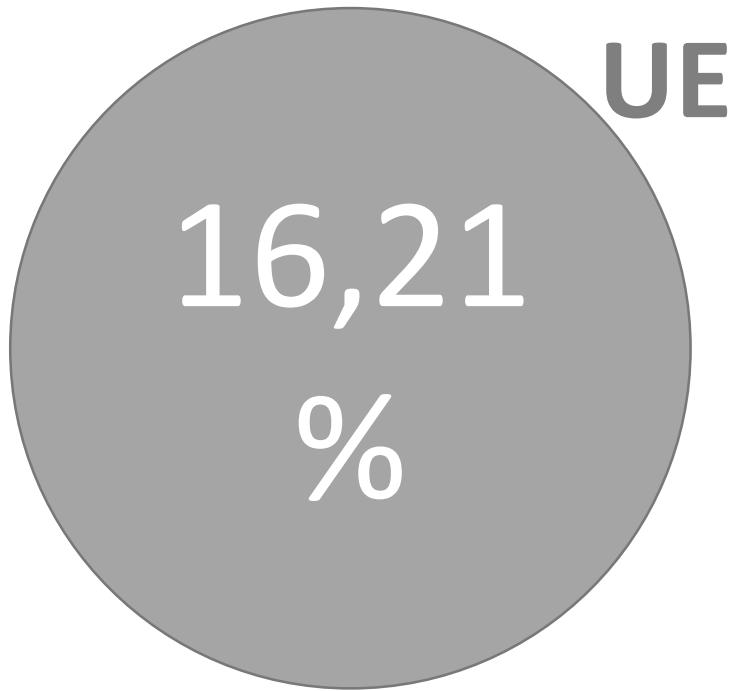
NMP: Financiamento por tipo de entidade



NMBP: Financiamento por Região



PARTICIPAÇÃO PT NO H2020 (2014 – 2017)



Taxa de sucesso – número de propostas

NMP – CASOS DE SUCESSO



Gabinete de Promoção dos Programa Quadro ID&I

Coherently with these gaps, MAESTRI intends to develop an innovative and integrated platform combining holistic efficiency assessment tools, a novel management system and an innovative approach for industrial symbioses implementation. Each one of these components intends to assist the companies in the following:



Efficiency Assessment tools

- Assess production system efficiency and eco-efficiency performance
- Identification of major inefficiencies
- Optimization of the use of energy, resources, process variables, etc.
- Prioritize options to support decisions for improvement measure (both cost-saving and efficiency improvements)
- Underpin sustainability efforts via resource and energy efficiency improvement
- Perform and evaluate Life Cycle Assessment
- Perform and evaluate Life Cycle Costing Analysis
- Cost Assessment Expected vs Real Gains and Payback analysis
- Identification of the most relevant KPIs



Management System

- Embed energy and resource efficiency in strategy and daily improvements routines
- Keep track of KPIs via Eco Lean Management Board and an alert system
- Provide a toolkit of low cost improvement methods (based on Lean Tools)
- Assess and improve cultural behaviour
- Support Continuous improvement both in term of economical and sustainability issues
- Inputs to other Legal, Management and Communication Instruments



Industrial Symbiosis

- Identification and characterisation of wastes (physical waste, by-products, energy, emissions, etc.)
- Creation of a waste database to support the identification of the potential (re)use of those wastes as a resource either internally or externally; i.e. synergies within one site or across multiple sites through the creation of new activities and potentially new products, synergies in regional eco-parks, wider synergies taking into consideration longer-distance material flows.

**Coordenação
Nacional : ISQ**


S M B
Istituto Superiore Mario Boella

WORLÉE
®
seit 1851


J.W. OSTENDORF


MCG
mind for metal


GLN PLAST


iSQ


inegi driving science & innovation


ATB


Fraunhofer
FIT


**UNIVERSITY OF
CAMBRIDGE**


MP
Microprocessador
Sistemas Digitais, S.A.


OAS
AKTIENGESELLSCHAFT


SINERGI 
Formazione, Ricerca & Sviluppo


IZNAB Sp. z o.o.
"Innovation Oriented To Business"

EU contribution: EUR 5 673 356,13

Coordenação
Nacional : CENTI



skin healthcare by innovative nanocapsules

www.skhincaps.eu

Using an innovative and sustainable in situ self-assembly technology, SKHINCAPS addresses the development of customised and safe nanocapsules to deliver novel products for skin healthcare applications, with increased efficiency and cost benefits:

- First layer garments containing nanoencapsulated phase-change materials (PCMs) for thermal management and skin comfort;
- Anti-ageing creams containing nanoencapsulated vitamins and antioxidants cocktail to improve skin anti-ageing effect;
- Antimicrobial lotions and textiles natural containing nanoencapsulated essential oils to prevent or mitigate bacterial infections on skin.

EU contribution: EUR 3 265 920,75

http://cordis.europa.eu/project/rcn/207604_en.html

Coordenação Nacional :
Universidade de Évora



Institute
of Applied Economics
and Health Research

ApEHR

ETH zürich

Objective

NewSOL proposal addresses the specific challenge towards high efficiency solar energy harvesting by advance materials solutions and architectures that are in line with those specified in SET-plan. Its main objective is to develop advance materials solutions based on innovative storage media and concepts for Concentrated Solar Power (CSP) up to validation in field of their performance by real time monitoring. This will be supported by an innovative thermal energy storage desi...

EU contribution: EUR 4 981 423,27

REGIONAL MANUFACTURING DIGITAL INNOVATION HUBS



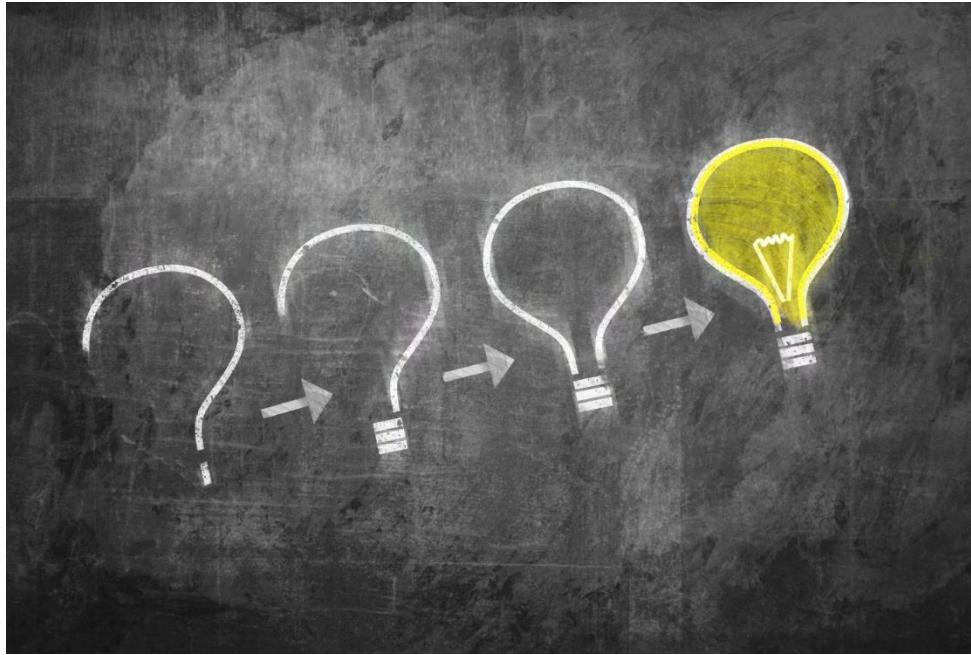
- **Regional Manufacturing DIH Lombardy**
Competence Center: Politecnico di Milano
- **Regional Manufacturing DIH Rhône-Alpes**
Competence Center: CEA List
- **Regional Manufacturing DIH Euskadi**
Competence Center: Innovalia
- **Regional Manufacturing DIH Baden Würtemberg**
Competence Center: Fraunhofer IPA
- **Regional Manufacturing DIH Norte Portugal**
Competence Center: INESC TEC

Click [here](#) to learn more about each Hub.



<http://www.beincpps.eu/>

EU contribution: EUR 7 999 485,75



Contact us!

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Fast Track



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Questões legais e financeiras
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