#innovacion #financiacion #asesoramiento #internacionalizacion







Spanish Participation in TestBeds **EPPN Workshop**

San Sebastián, 5 Noviembre 2019

Nieves González National Contact Point H2020-NMBP





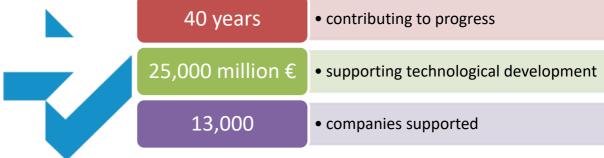
@EsHorizonte2020





@CDTIoficial





Business RDI Technological modernization Internationalization Participation in International Programs





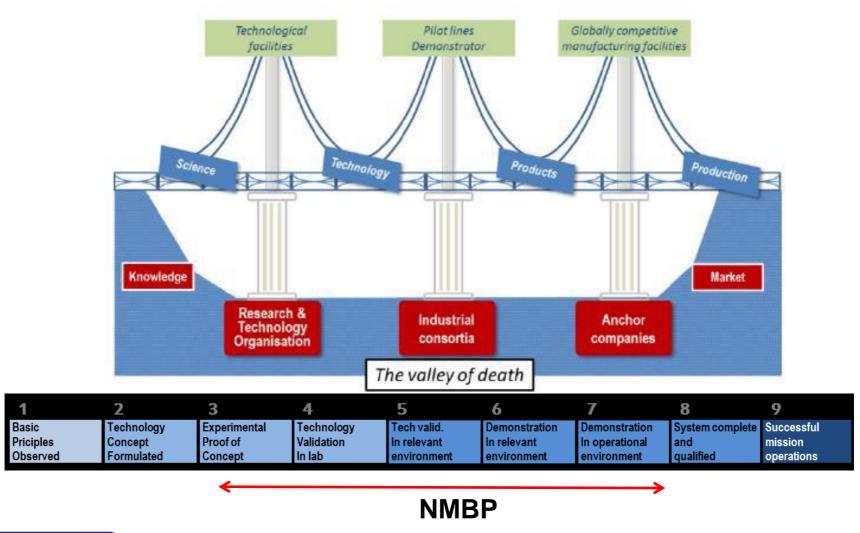








The challenge of scaling up ...





CDTI Centro para el Desarrollo Tecnológico Industrial | E.P.E.



Spanish Participation in PILOTS calls (NMP)



PILOTS (2014-2017)

- 12 projects coordinated by Spanish participants
- 20 pilot plants in Spain (>80 in Europe)







PILOTS (2014-2017)





Pilot Plant for the production of polymer based nanopharmaceuticals in compliance with GMP.



Programas de la UE

@EsHorizonte2020

Open access pilot plants for sustainable manufacturing of industrial scale nanocomposites







Injection moulding, casting and coating pilots for improved products with nanomaterials for automotive, construction and agriculture machinery



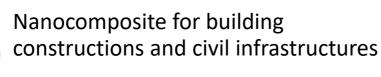
5

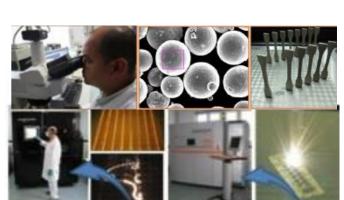


PILOTS (2014-2017)

















Spanish Participation in PILOTs

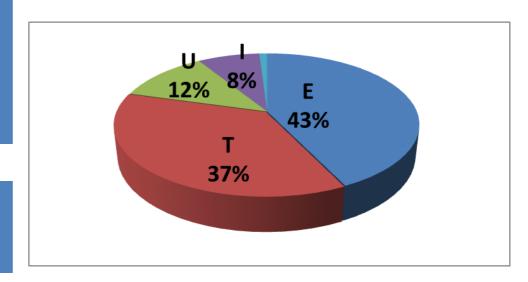
RESULTS for PILOT calls (2014-2017)

Total funding Spanish participants: 38 M €

35 funded projects

30 projects with Spanish participation (86%)

12 coordinated by ES (28,6%)



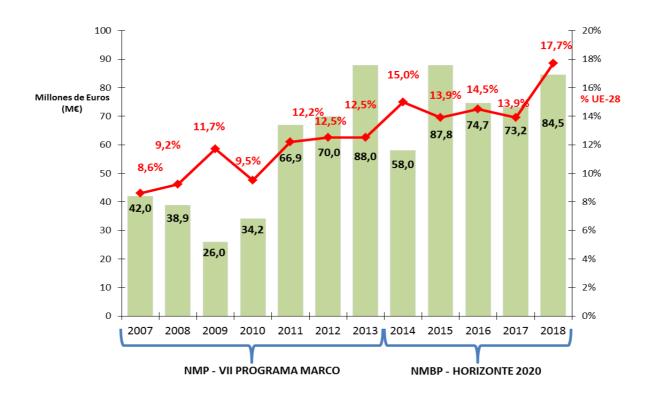
Spain 1st country PILOTs: 18,8% EU-28





Spanish Participation in H2020 - NMBP

Total funding Spanish participants: 294 M €
Spain 2nd country NMBP: 14,4 % EU-28









activity

For 1 job in an RTO, additional 4 jobs were created elsewhere in Europe in 2016



For
1 invested
by governments in RTOs as operational grants

Source: FEDIT. 2014

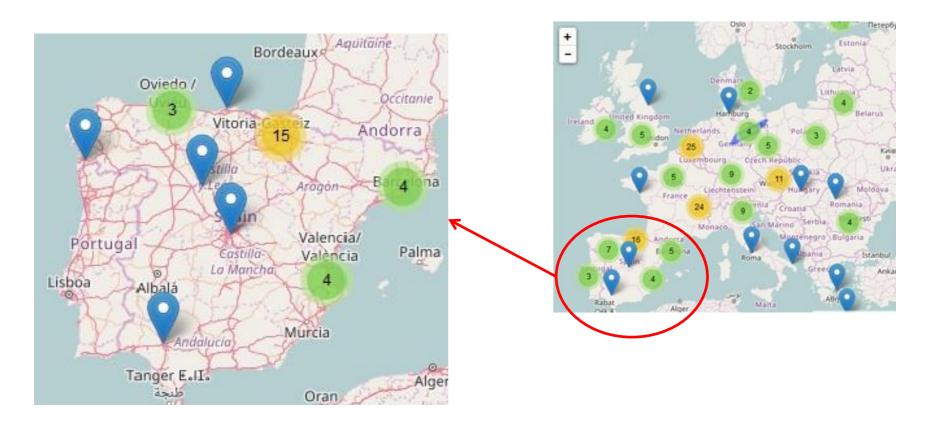
€3 return flew back to those

flew back to those governments in 2016





Research & Technology Organizations in Spain



34 RTOs Nanotechnology & Advanced Materials (RTOs catalogue Ministery Science & EU KETs Observatory)







Científicas y Técnicas Scientific & Technical Infrastructures







Other examples of pilots & infrastructures



Jesus Uson Minimally Invasive Surgery Centre (JUMISC)

Clamber- Biorefinery Pilot Plant





Open Innovation Test Beds (2018-2020)



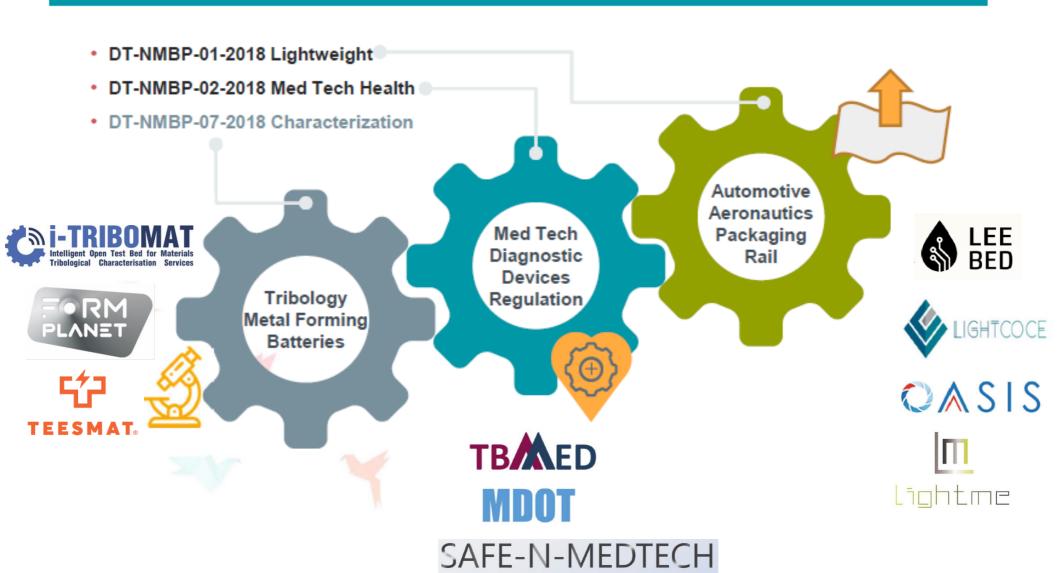
1.1 OPEN INNOVATION TEST BEDS

Open Innovation Test Beds are physical facilities, established in at least three Member States and Associated Countries, offering technology access and services. The objective of Open Innovation Test Beds is to bring nanotechnology and advanced materials within the reach of companies and users in order to advance from validation in a laboratory (TRL 4) to prototypes in industrial environments (TRL 7).





Open Innovation Test Beds – 10 projects started early 2019









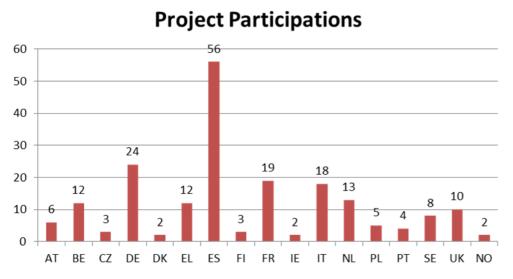


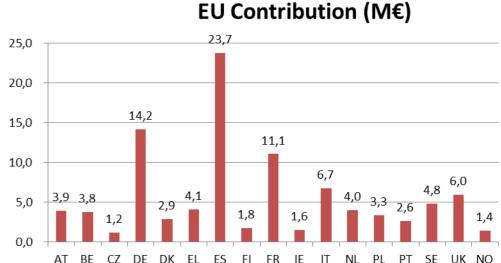
@CDTIoficial

Spanish Participation in OITBs

RESULTS for OITB calls (2018: NMBP-1,2 &7)

Total funding Spanish participants: 23,7 M €









Spanish Participation in OITBs

RESULTS for OITB calls (2018: NMBP-1,2 &7)

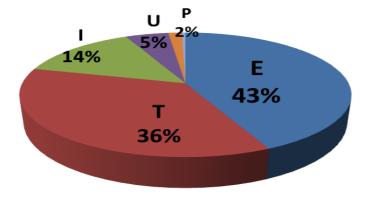
Total funding Spanish participants: 23,7 M €

10 projects with Spanish participation (100%)



4 coordinated by ES (40%)





Main participants:

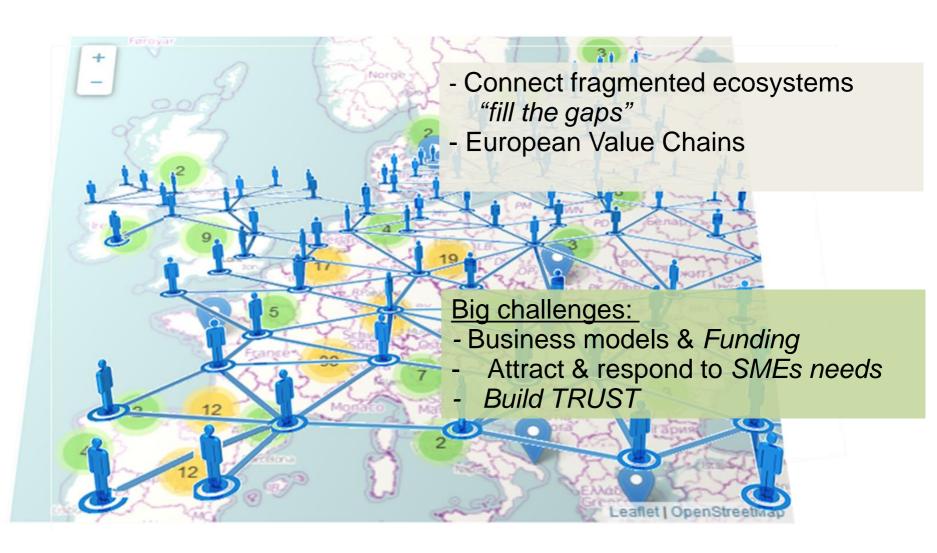
Tecnalia, CIDETEC, BioPraxis, EURECAT, Tekniker, CIBER, BIOEF, AIMEN, VIHR

Spain 1st country OITBs: 24,1 % EU-28





Towards an ecosystem of test beds







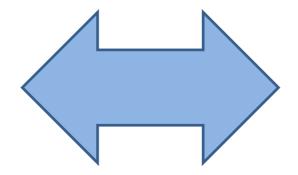
New initiative at national level: Cervera Network



Aimed at strategic "clustering" led by RTOs in 10 specific areas as "Intelligent Manufacturing", "Advanced Materials" "Health technologies"

RTOs:

Collaboration 3-5 RTOs Cervera technol. areas Grant 2-4 M€



SMEs / Midcaps:

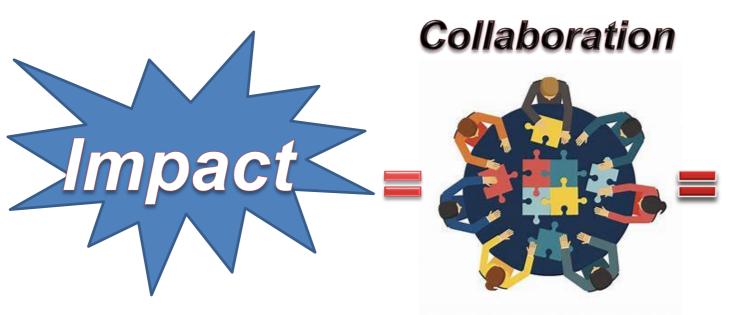
Subcontracting RTOs in the Cervera areas



















Thank you for your attention

nieves.gonzalez@cdti.es

www.eshorizonte2020.es - www.cdti.es









@EsHorizonte2020 - @CDTloficial



