



The Stairway to excellence (S2E)

Boosting regional growth through innovation

" EXPERIENCE FROM OTHER INITIATIVES – WHAT TO LEARN, WHAT TO TRANSFER"

Brussels, 08 March 2017

europa.eu/!Wx96NN



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About Tecnalia and EARTO



Management report

IT'S NOT JUST ABOUT IMAGINING THE FUTURE... ...IT'S ABOUT CREATING IT TOGETHER

CHALLENGES OF THE FUTURE

ADVANCED MANUFACTURING

We design the driver of the Fourth Industrial Revolution: the factory of the future. The smart factory to create economic challenges through to invent industrial production models.

LOW-CARBON ENERGY

For a more sustainable efficient society. Increasing the renewable energy ratio is crucial to generate sustainable socio-economic development in a global environment.

HEALTH AND AGEING

Population ageing is unprecedented. We are committed to ensure solutions to provide systematic responses to the challenges posed by the expectancy increase and low birth rate.

DIGITAL AND HYPERCONNECTED WORLD

We continue to evolve towards an increasingly connected and interactive world. We are working on the shift to develop business opportunities capable of improving our daily life.

URBAN HABITAT

Future Cities. We are committed to the Smart City because we believe in the progress generated by an increasing citizen and capacity to become the driver of economic development.

CLIMATE CHANGE AND LACK OF RESOURCES

The impact of Climate Change is now a reality. We need to search solutions and actions to increase climate change impact energy efficiency improvement, smart energy management, cost reduction, etc.

Our people

Thanks to the way we do things and the way we are, TECNALIA is a team of 1,400 experts with our commitment to companies and the welfare of society.

1,400* PEOPLE ON STAFF

56% MALE
44% FEMALE

Brave, free-thinking and teamworking people who dare to propose something new every day, always thinking about our customers and consistent with TECNALIA values:

- Establishing empathy with our customers
- Passion for technology
- Enthusiasm and committed people
- Active collaboration
- Ongoing improvement of our activity efficiency and impact

41.8% R&D
214 PROJECTS
30 INNOVATIONS
248 INNOVATIONS

* TECNALIA LAB employees (2019/10/31)
* Global average: 50 employees
* Number of staff in projects

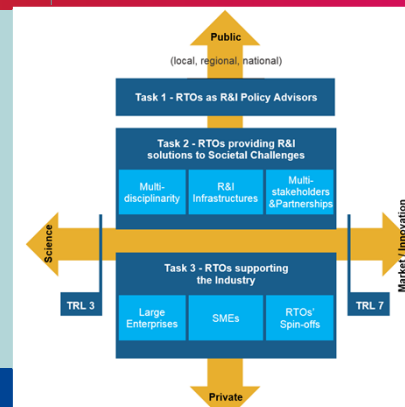


Impact Delivered!

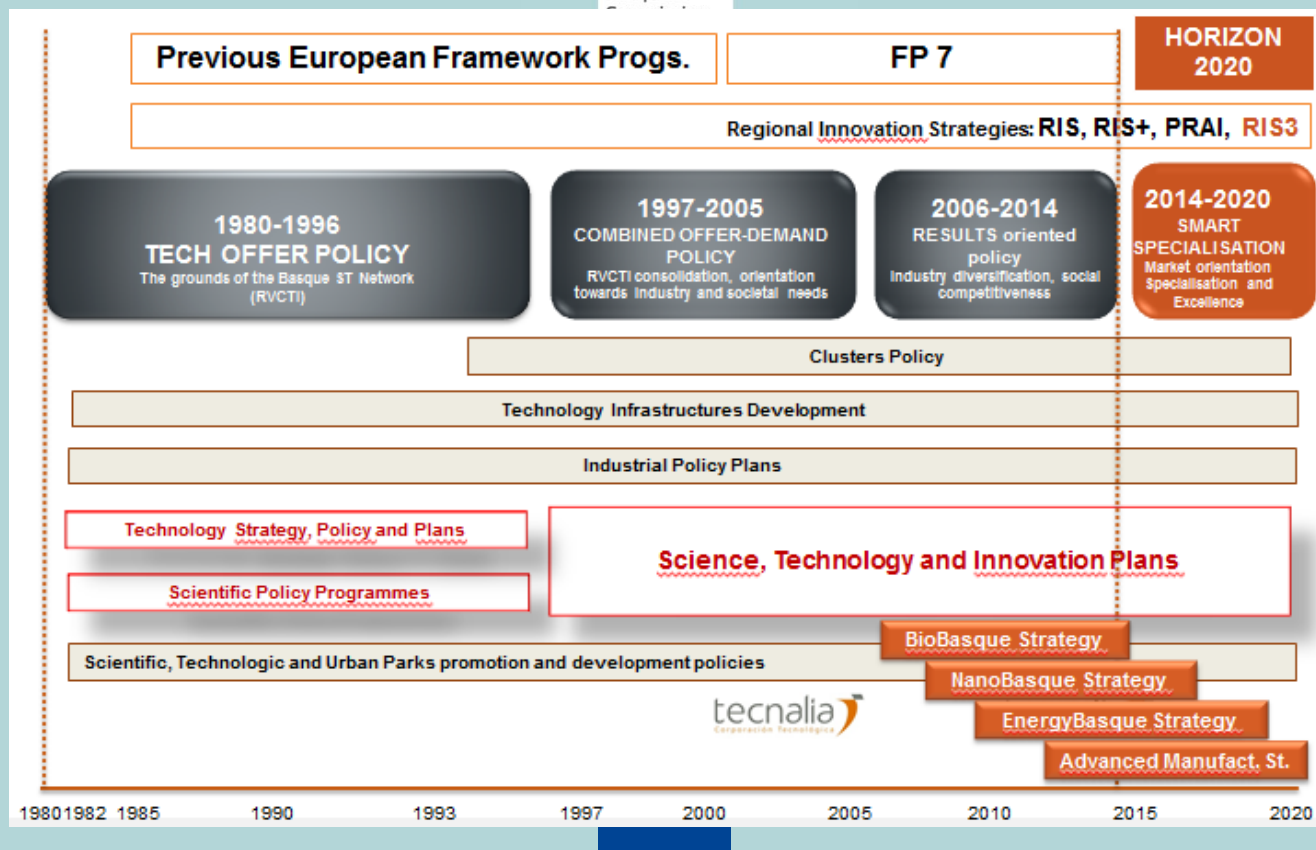
23 COUNTRIES
150 000 RESEARCHERS ENGINEERS & TECHNICIANS
350 RTOs

Network of 150,000 researchers, engineers and technicians sharing vision and information.

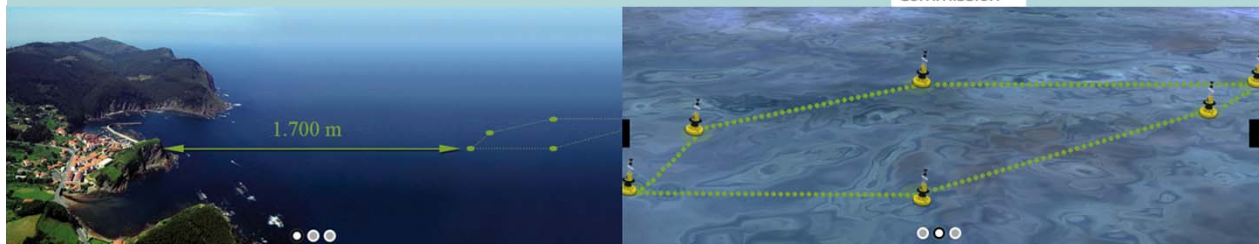
Logos of partner organizations: Fraunhofer, SINTEF, cesa, TNO, CATAPULT, CH, CSEM, AOR, SignalGenix, Fedit, CETMA, TWI, Tyndall, GTS, Institut "Johel Stefan", etc.



Regional System Coordination



Testing and demonstrating prototype devices for harnessing ocean energy



bimep provides manufacturers of ocean energy devices to install their equipment in open sea conditions for demonstration and operational (power generation). It is place in the **Bay of Biscay**. Testing the effectiveness of **new wave energy** devices and technologies.



Facilities

bimep provides WEC manufacturers with the opportunity to install their equipment in open sea conditions



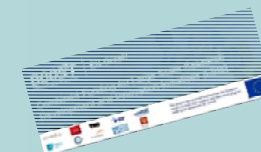
Services

WEC manufacturers with the facilities and necessary infrastructure to test their equipment and for research, demonstration and operation of demonstrate its potential to harness ocean energy. offshore Marine Renewable Energy Devices (MRED)



Infographics

Find out more about bimep, an ocean infrastructure



Examples of Existing LSI from the Public Consultation



LSIs are...

Industry and application driven, long-term, broad (open) access, multi-stakeholder partnerships.

Strategically targeting large-scale research, development and innovation activities using a combination of different funds.

Aiming at accelerating the commercialization of technology, boosting competitiveness of companies and renewing industrial ecosystems towards sustainable economic growth and well-being of society.



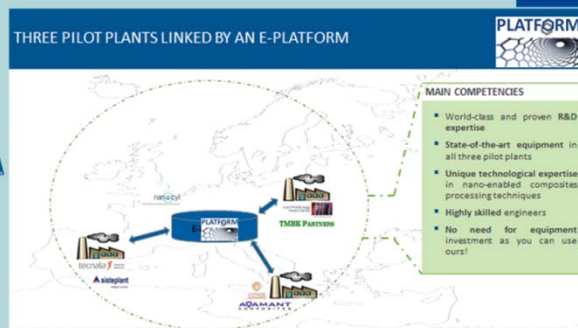
LSI – EUGREAT!

"Your partner for nano-enabled Composites Solutions and Services"

European
Commission



H2020 Grant Agreement



✓ Engaging in strategic interregional cooperation

Pilot Plants managed by RTOs ✓

R&D and DEMO activities ✓

✓ Non Commercial Activities

E-PLATFORM: PRODUCTS & SERVICES

One-stop shop: Not just another composites material company

Intermediate products: based on three of the most promising products using carbon nanotubes.
 R&D Services: Our engineers and specialist will deploy their R&D skills and knowledge to answer to SMEs' needs.
 Renting Facilities: SMEs will have access to any of the three pilot lines, so as to integrate the nano-enabled products in their materials, manufacturing processes and/or products.
 E-learning seminars and workshops: devoted to those SMEs that may want to become one nano-enabled product producer.

E-PLATFORM: YOUR PARTNER FOR NANO-ENABLED COMPOSITES SOLUTIONS AND SERVICES

Industrial Technologies, 30-31, JUNIO 2016



Advanced Manufacturing nanoBasque Strategy

SPRI
BASQUE COUNTRY

EUSKADI BASQUE COUNTRY

nanoBasque Strategy (2008-2015)



Main challenges identified by active companies (2015)

- MAIN BARRIERS FOR NOT USING NANOTECHNOLOGIES**
- 1 SCALING UP NOT SOLVED
 - 2 NEW INVESTMENT REQUIRED
 - 3 LIMITED ACCESS TO EQUIPMENT
 - 4 NEED TO ADAPT PRODUCTION PROCESSES
 - 5 TECHNOLOGICAL RISKS

213 firms involved in micro and/or nano activities, 39 start ups (2015)



Active companies in more than 15 industrial sectors

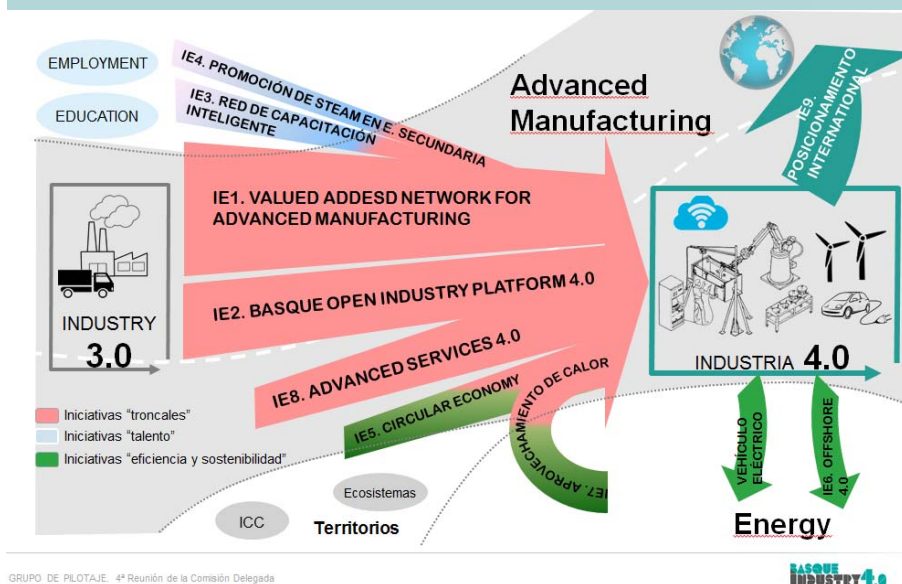


Presented on 9th February by

Cristina Oyón

SPRI Basque Business Development Agency

**Future DIH to Offer
Services to SME???**



GRUPO DE PILOTAJE. 4ª Reunión de la Comisión Delegada

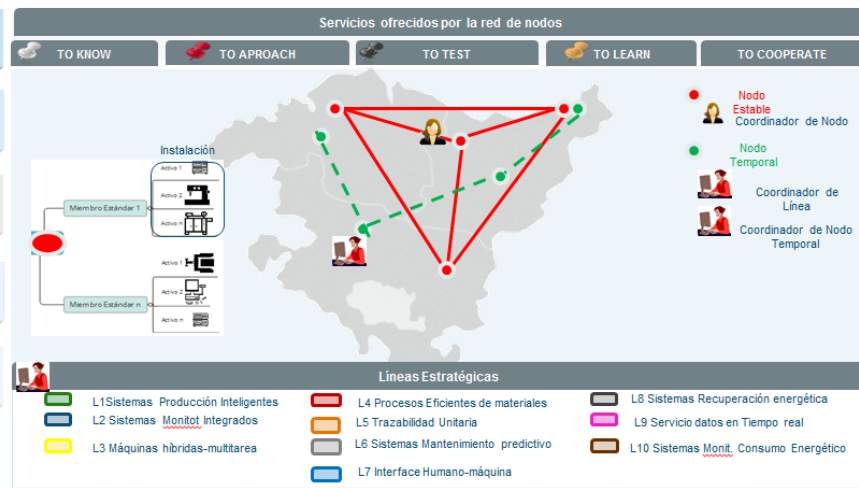
F1-Proyectos de I+D+i

F2-Pilotos de producto/proceso/servicio

F3- Scale-UP

F4-Demostración (showroom)

F5-Formación (Learning Factory)



Learned Lessons

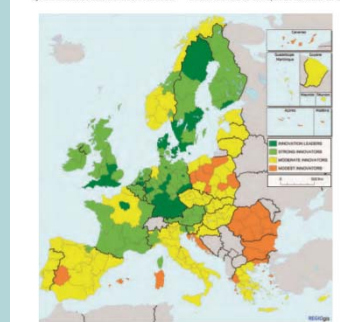


- Participation in the definition of the Regional Strategy and To Priorize the Especialization
- Coordination between Agents and Regional Authorities
- To be present in Decision Makers Forums
- Thinking in Value Added Process: From Idea to Market
- Never Alone. *"We can do so much together"*
- Being small, Think big!

Regional **Innovation** Scoreboard 2016

Executive summary

The 17th edition of the Regional Innovation Scoreboard (RIS) presents a comparative assessment of innovation performance across 174 regions, which are the primary or sole responsibility of the Member States. The RIS presents an overall assessment of the innovation performance of Member States and other European countries, regional innovation performance is assessed at the country level, as the regional innovation level is not determined in those countries.



For Cyprus, Ireland, Latvia, Lithuania, Luxembourg and Malta, performance group membership is identical to that in the European Innovation Scoreboard 2016 report.

* The latest available data have been published under the name 'European Innovation Scoreboard' with AIS in 'Innovation Scoreboard 2016' and AIS in 'Innovation Scoreboard 2016'.

		EPO PATENT APPLICATIONS	SMES WITH PRODUCT OR PROCESS INNOVATIONS	SMES WITH MARKETING OR ORGANISATIONAL INNOVATIONS	EMPLOYMENT MEDIUM-HIGH/ HIGH TECH MANUFACTURING & KNOWLEDGE INTENSIVE SERVICES	EXPORTS IN MEDIUM-HIGH/ HIGH TECH MANUFACTURING	SALES OF NEW-TO-MARKET AND NEW-TO-FIRM INNOVATIONS
ES21	País Vasco	0.324	0.368	0.201	0.574	0.595	0.340
		POPULATION WITH TERTIARY EDUCATION	R&D EXPENDITURE PUBLIC SECTOR	R&D EXPENDITURE BUSINESS SECTOR	NON-R&D INNOVATION EXPENDITURES	SMES INNOVATING IN-HOUSE	INNOVATIVE SMES COLLABORATING WITH OTHERS
ES21	País Vasco	0.919	0.198	0.507	0.160	0.359	0.424

HOW CAN WE CONTINUE?

Thank you very much for your attention!!!



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Visita nuestro blog:
<http://blogs.tecnalia.com/inspiring-blog/>



www.tecnalia.com

