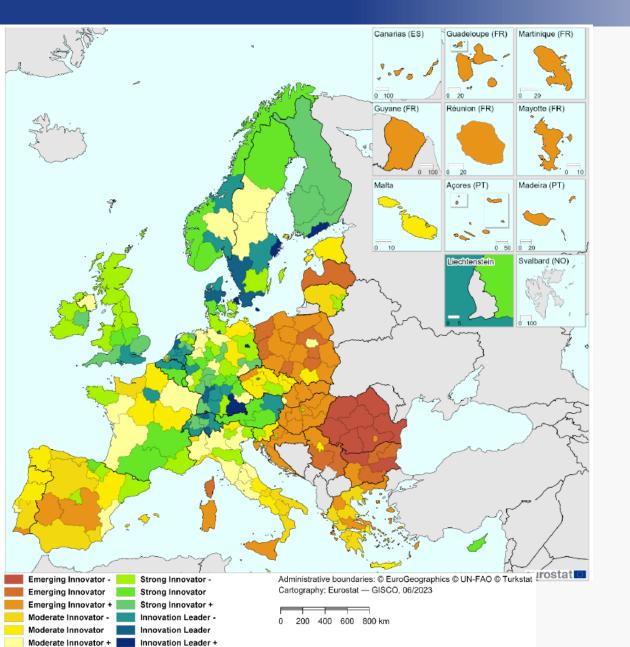
COMPETITIVENESS BASED ON R&D&I

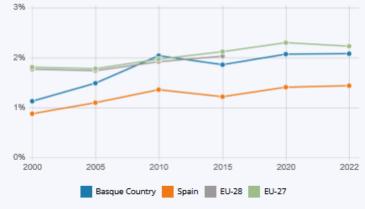


A country where R&D&I is the basis of its competitiveness The Regional Innovation Scoreboard (RIS) places the Basque Country in the group of "high innovation" regions.

It is positioned as the best Autonomous Community in Spain and its performance in innovation is above the EU-27 average.

This and other indicators reflect the results of the country's Industrial Policy.

R&D (RESEARCH AND DEVELOPMENT) EXPENDITURE AS A % OF GDP





In recent decades, the Basque Country has undergone a process of profound transformation of its productive, economic and social fabric in order to remain competitive in a new context in which international positioning, digitalisation, technological progress, innovation and smart specialisation have all become key factors of competitiveness.



"Basque Industrial Policy" platform is the reference tool for understanding the **drivers of transformation**, the philosophy, objectives and initiatives carried out by the Basque Government to lead the process of industrial transformation of the Basque Country, **from 1981 to the present**.

Access link https://politicaindustrialvasca.spri.eus/en



promoted?





Chronogram

o scroll through the schedul	le, click at any point a	nd drag the mouse sid	deways.		↓, DOWNLOAD PDF				
	LEGISLATURES 🔶 INDUSTRIA HIP 😑 DIGITAL TRANSFORM. ERGY POLICY 🔵 ENVIRONME			PROMOTION					
<u>1</u> 980	<u>1</u> 985	<u>1</u> 990	<u>1</u> 995	<u>2</u> 000	2005	2010	<u>2</u> 015	<u>2</u> 020	<u>2</u> 025
 Milestones 									
 Legislatures 									
 Industrial Restructuring 									
 Competitiveness and Inc 	dustrial Promotion —								
 Financing 									
 Entrepeneurship 									
 Digital Transformation 									
 Infrastructures 									
Technology and Innovation	tion								
 Internationalisation — 									
Energy Policy Energy Policy Energy Energy									
 Environmental Policy – 									



BASQUE INDUSTRIAL POLICY PLATFORM: TECHNOLOGY AND INNOVATIO

Evolution of the Science, Technology and Innovation Policy

Actions of Science, Technology and Innovation Policy	~
1982-1996: Supply Creation	^
Plan for Industrial Technology 1993-1996	1993 - 1996
The Technology Strategy Plan PET 1990-1992	1990 - 1992
The Strategic Technology and Innovation Unit (UETI)	1990 - IN FORCE
First Steps in the Technology Policy 1982-1990	1982 - 1990
1997-2005: Demand Creation ^{2 References}	^
The Science, Technology and Innovation Plan PCTI 2001-2004	2001 - 2004
The Science and Technology Plan 1997-2000	1997 - 2000
2006-2015: Diversification 4 REFERENCES	^
Science, Technology & Innovation Plan (PCTI) 2010-2015	2011 - 2015
NanoBasque Strategy	2008 - 2015
Science, Technology and Innovation Plan 2007-2010	2007 - 2010
BioBasque Strategy	2002 - 2010

Technological and Innovation Agent Network

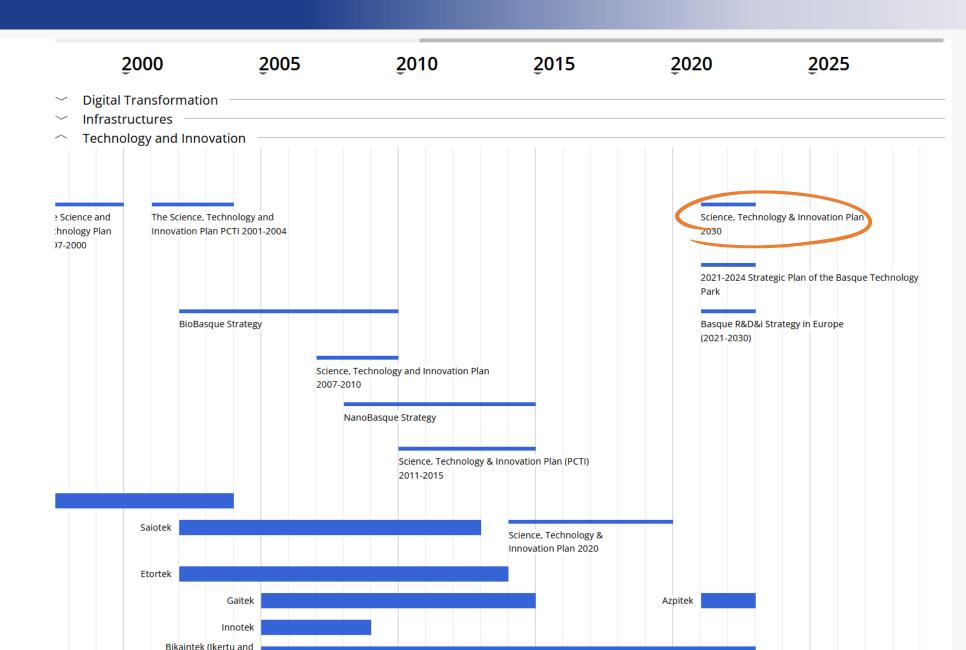
Technological and Innovation Institutions	~
The Basque Science, Technology & Innovation Network	~
Advanced Manufacturing Centres	~
Basque Digital Innovation Hub	~
Technology Parks 4 REFERENCES	~



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2015-2020: Smart Specialisation

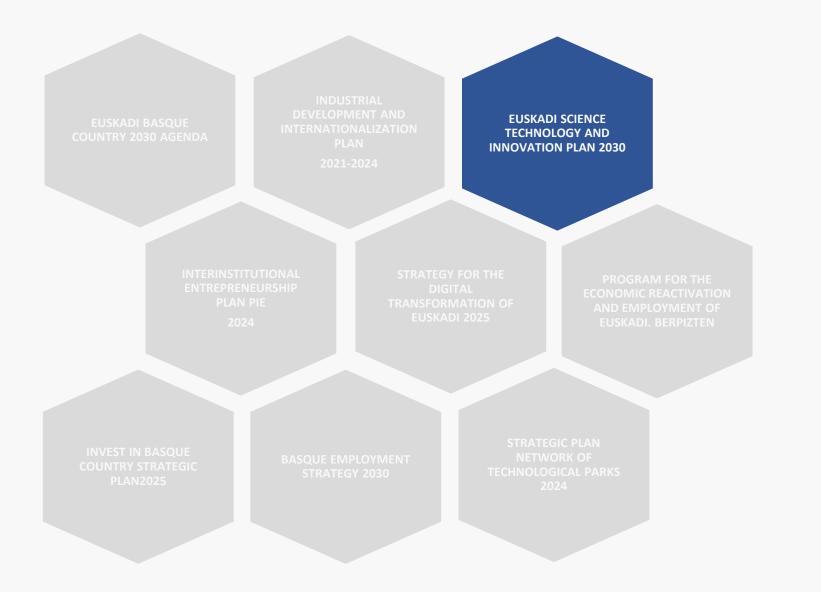
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EUSKADI 2030 SCIENCE TECHNOLOGY AND INNOVATION PLAN







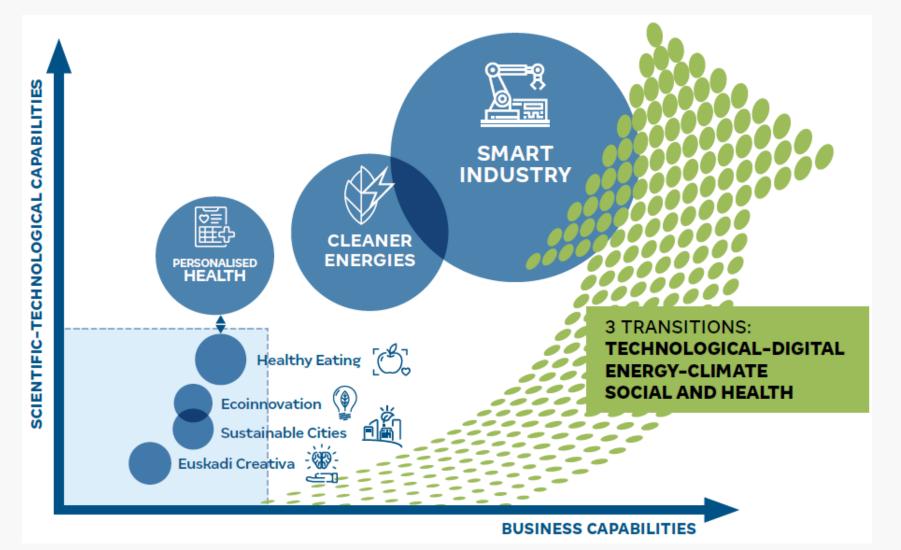
VISION 2030





SCIENCE TECHNOLOGY AND INNOVATION PLAN 2030

EVOLUTION OF RIS3 AREAS





SCIENCE TECHNOLOGY AND INNOVATION PLAN 2030

STRATEGIC PRIORITIES

Smart Industry:



- Maintain and strengthen competitive advantages based on manufacturing technologies.
- Value the use of data, providing intelligence and value to customers
- Increase the value of products and services following patterns of Circular Economy.
- Face cultural transformation to take advantage of the opportunities related to digital technologies and sustainability.

Cleaner Energies:

- Turn the European Green Deal objective of zero GHG emissions into a growth strategy.
- Develop greater collaborative
 R&D activity in strategic areas
 and in basic core technologies.
- Drive digitization and the transition to new data-driven business models.



Personalised Health:



- Growth of the high-tech business fabric, intensive in R&D&I.
- Progress in the sustainability of the Health System
- Digital transformation of the healthcare system
- Large-scale data access and advanced analytics (Big Data and A.I.)
- More agile incorporation of high impact innovations



SCIENCE TECHNOLOGY AND INNOVATION PLAN 2030

Digital technologies



Sustainable production technologies

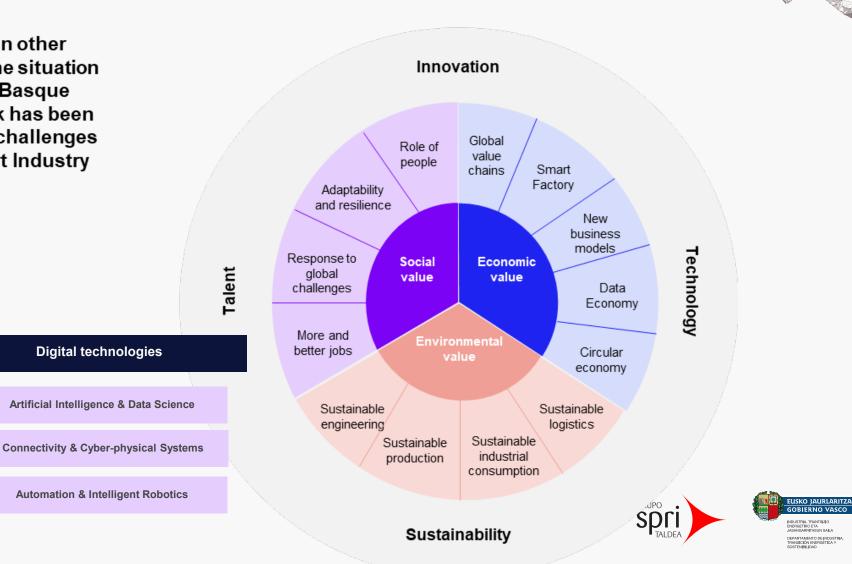
Advanced materials

Advanced Manufacturing technologies

Machatronic systems

SMART INDUSTRY STRATEGY

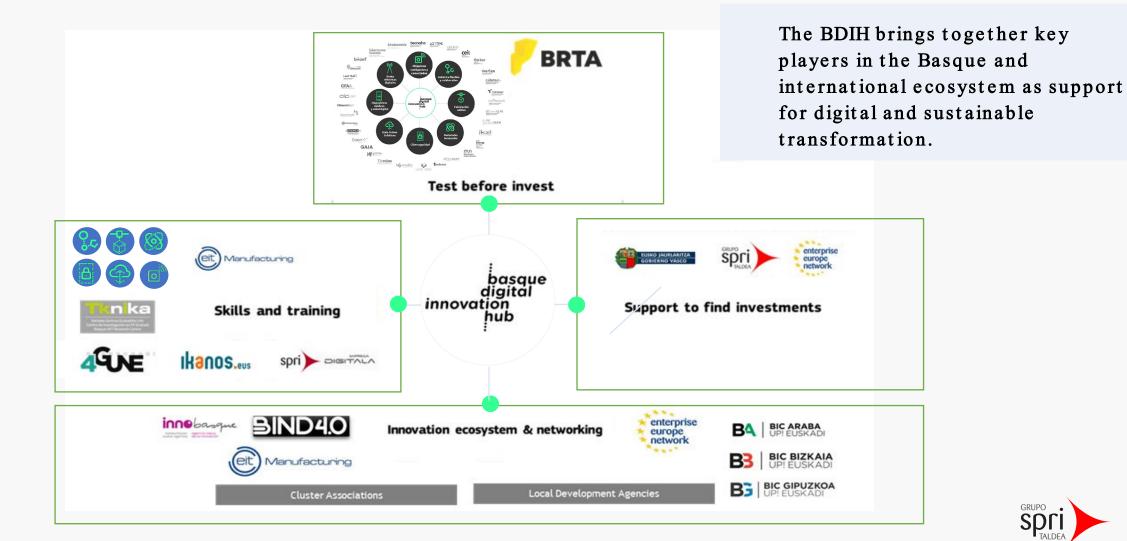
Based on the trends identified in other countries and the analysis of the situation of the industrial clusters in the Basque Country, a Strategic Framework has been identifyed with the key values, challenges and levers to promote the Smart Industry in the Basque Country.



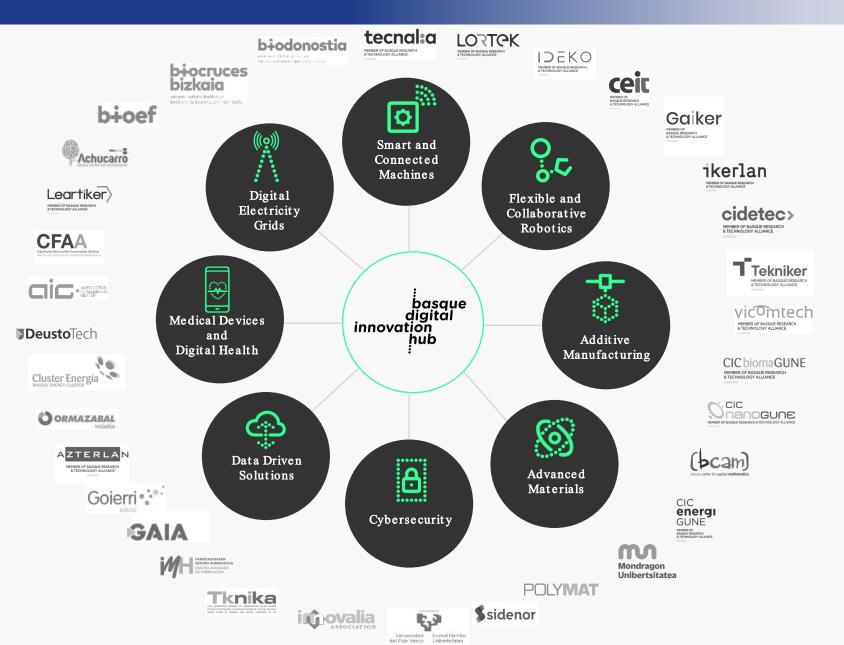
- Initiative that responds to the Basque strategy of smart specialization RIS3 to support the industry in experimenting with digital and sustainable innovations.
- Connected network of assets and services for training, research, testing and validation of technologies available for companies (especially SMEs).











The goal of this initiative is to provide industrial companies, especially SMEs, with the technological capabilities needed to meet the challenges of Smart Industry, Energy and Health.

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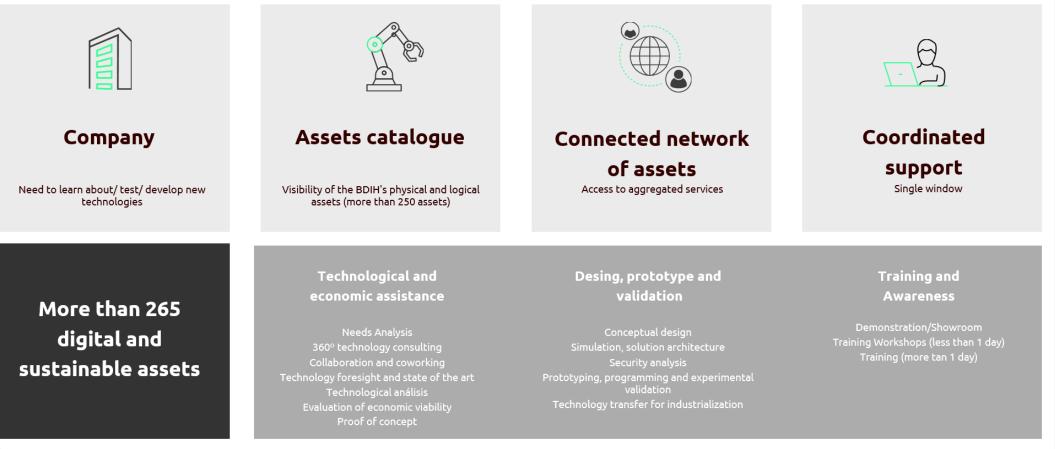
The BDIH is co-owned by Technology Centers, Professional Training Centers and Universities and is supported by regional public institutions.







Offer





USKO JAURLARITZA

OBIERNO VASCO

NZBIS. Example of GREEN TRANSFORMATION initiative

The decarbonization strategy for industrial activity in the Basque Country joins the World Economic Forum's Transitioning Industrial Clusters towards Net-zero project with the creation of the Net-Zero Basque Industrial SuperCluster

The initiative currently involves 23 industrial clusters and is expected to reach 100 regional industrial clusters in the coming years.



NZBIS

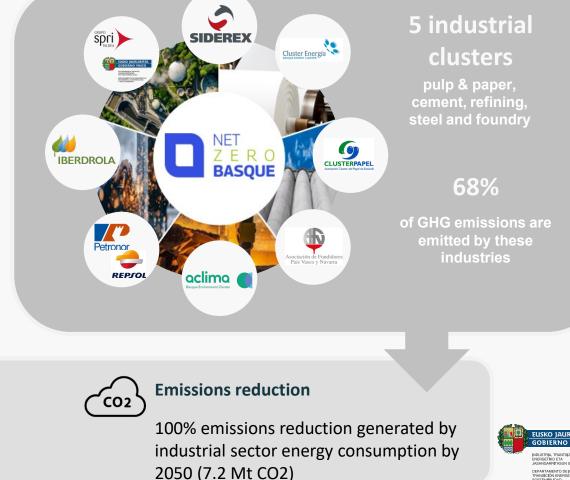
The Net-Zero Basque Industrial SuperCluster aims to accelerate the path to net zero emissions in the Basque Country, fostering energy supply decarbonization and energy efficiency in the industrial sectors and creating market opportunities based on the scale-up of the new technologies and innovative services

Super Cluster because it **integrates the industrial clusters** (through their cluster organisations) already operating in the Basque Country, enabling and facilitating **coordination and synergies within the key Industries**

Collaboration and commitment between the government and **the key energy companies** operating in the region

With an initial focus to target five Industries up to 68% of total GHG emissions.

Search for **common objectives** to enable the **development of zero balance technologies** through the development of cluster-specific roadmaps to achieve zero balance targets.



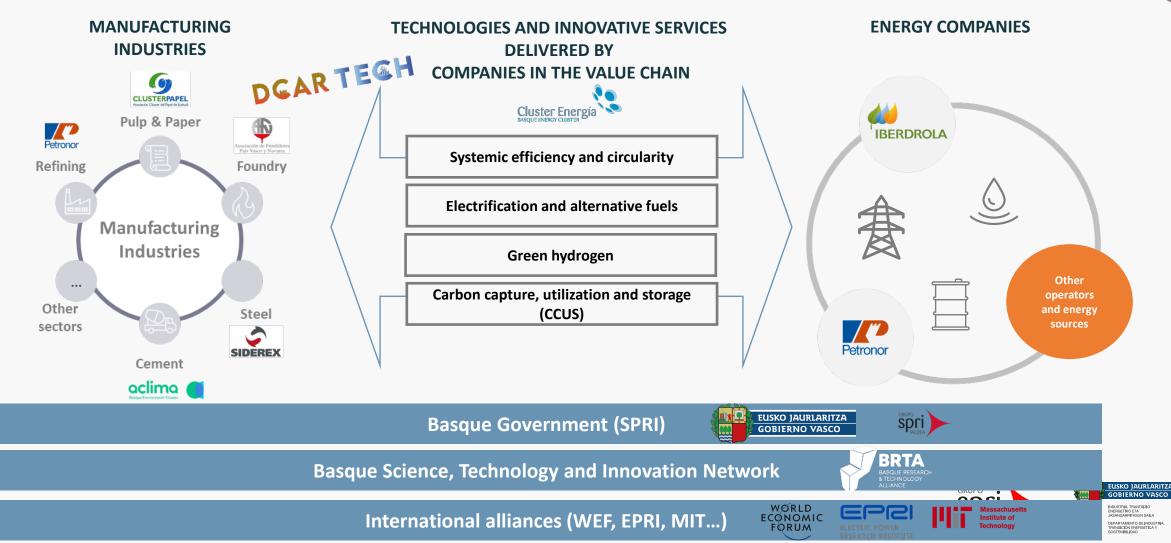




(2-3% of Jobs 2021)

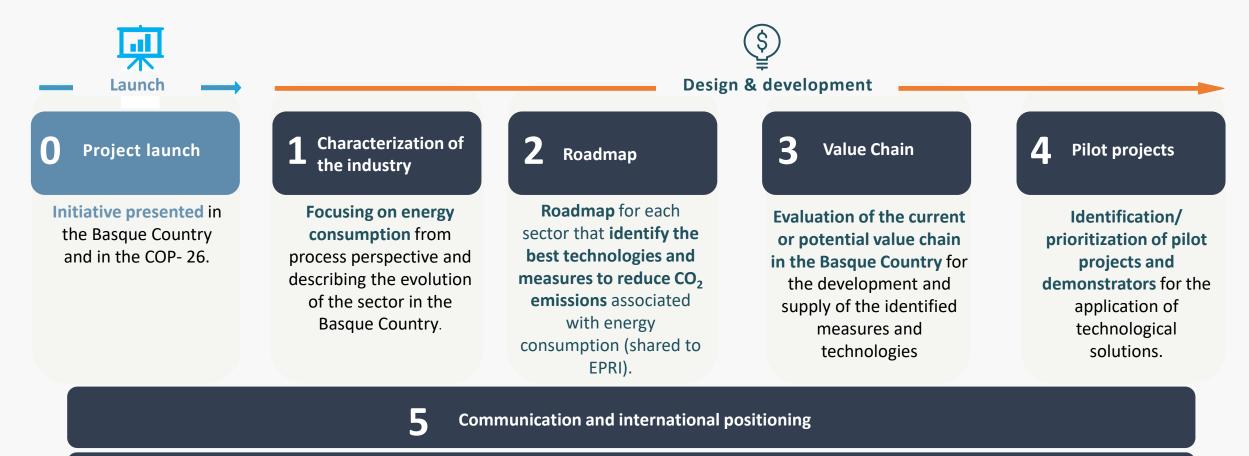


The SuperCluster aims at developing a robust, innovative industrial ecosystem where technology innovations serve as key driver of the energy transition and decarbonization



NZBIS

The SuperCluster's activity has been based on a four-phase technical development project and two continuous lines of work that allow for its deployment in local and international collaboration





NZBIS NEXT STEPS

aclima

SIDERE)

Strengthen the national and international positioning of the NZBISC, to maintain its pioneering profile in this field, disseminate the progress that is being made in the work carried out and attract contributions and international good practices that contribute to the initiative.

