

tecnalia

MEMBER OF BASQUE RESEARCH
& TECHNOLOGY ALLIANCE

THE ROLE OF RTOS TO DELIVER IMPACT ON THE ECONOMY AND FOR SOCIETY..

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ANGELICA LOPEZ SOBRADO

Head of Tecnalía Impact Assessment
Technology Watch and Strategic Surveillance Manager

TECNALIA is largest applied research and technological development centre in Spain, a European benchmark and member of the Basque Research and Technology. It is the result of a merger of 8 RTOs in the Basque Country in 2010.

MISSION

TRANSFORM TECHNOLOGICAL RESEARCH INTO PROSPERITY



VISION

TO BE THE AGENTS OF CHANGE IN COMPANIES AND SOCIETY, ADAPTING THEM TO THE CHALLENGES OF ACONSTANTLY EVOLVING FUTURE.

We work with companies and institutions to increase their competitiveness, quality of life of people and achieve sustainable growth



We seek to build a better world through technological research and innovation, create new developments for unsolved situations combining technologies from different fields o respond to the major global challenges.

Creating Growth : Improving Society

TECNALIA'S COMMITMENT FOR IMPACT MEASUREMENT

Tecnalia has set up an impact framework and an instrument that seeks to establish a systematic measuring of several dimensions of impact (economic, scientific-technological, social, environmental) from the activity of Tecnalia to assess the fulfilment of our mission and vision and to guide our strategic objectives.

This instrument has to be useful to:

- Better manage our activity and know which levers to operate in order to improve economic, social and scientific-technological impact
- Communicate to all stakeholders (companies, administration, society) the impact of the activity of TECNALIA generating a better understanding of our activities and their impact.
- Compare with other similar organizations in the local, national and European level

Socioeconomic Impact - Deloitte Model 2011-2020



Key performance indicators at the scoreboard for basic funding by Basque Government

SCOREBOARD			RTOS		2020	
LINE	INDICATOR	UNIT	WEIGHT			
R&D activity Mix	F1. % Investment on Fundamentals Research	%	3.33%		30%	
	F2. % Investment on Industrial Research	%	3.33%	10%	30%	
	F3. % Investment on Experimental Development	%	3.33%		30%	
Specialization	g1. % R&D Invest. in Advanced Manufacturing of total R&D	%				
	g2. % R&D Invest. in Energy of total R&D	%		10%		
	g3. % R&D Invest. in Life Sciences and Health of total R&D	%				
Excellence	Fundamental Research		10%		50%	
	F1. Indexed Scientific publications	#	2%		20	
	F2. Scientific publications in the first quartile (Q1)	#	2%	4%	10	
	Industrial Research					
	F7. IFC & PCI patent applications	#	12%		5	
	F4. Revenue from patents and licenses	1000 €	1%	70%	100	
Experimental Development						
F5. New jobs created in new technology-based companies	#	5%	10%	20		
F6. Revenue from new technology-based companies	1000 €	5%		2,500		
Transference	F11. % Private funding in the Basque Country	%	5%		40%	
	F12. % % Total private financing	%	5%	10%	50%	
	F3. Researchers transferred to Basque industrial companies	#	5%		17	
Mode of collaboration						
	F4. Co-supervision of doctor's thesis	#	5%		5	
	F5. Co-authorship of scientific publications	#	5%	15%	5	
	F6. Comment on of assistants	#	5%		1	
	F7. % of international public financing	%	5%	10%	15%	
International collaboration						
F8. International projects with Basque companies	%	5%		50%		

Tecnalia scorecard

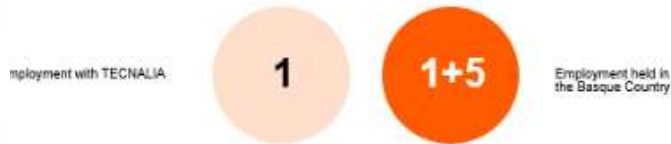
Main Strategic Indicators and TECNALIA 2020 Goals					
LI	Strategic Objective	Col. Tar	Col. Hdr	Description	Unit
PRIORITY TO THE PROJECT	01-1. INTELLECTUAL PROPERTY	100%	100%	Acquisition of intellectual property (patents, trademarks, etc.)	#
	01-2. LOCAL TECHNOLOGY	100%	100%	Generation of new technology through projects in a local company (including I+D+i for 100 industrial SMEs)	#
	01-3. LOCAL RESEARCH	100%	100%	Generation of new technology through projects in a local company (including I+D+i for 100 industrial SMEs)	#
	01-4. LOCAL RESEARCH	100%	100%	Generation of new technology through projects in a local company (including I+D+i for 100 industrial SMEs)	#
TECHNOLOGY STRATEGY	02-1. TECHNOLOGICAL CHALLENGE	100%	100%	Identification of technological challenges	#
	02-2. FOCUSED SPECIALIZATION ONE OF SEVERAL	100%	100%	Identification of technological challenges	#
	02-3. FOCUSED SPECIALIZATION ONE OF SEVERAL	100%	100%	Identification of technological challenges	#
	02-4. FOCUSED SPECIALIZATION ONE OF SEVERAL	100%	100%	Identification of technological challenges	#
BOOST PEOPLE'S POTENTIAL	03-1. COMMUNICATION WITH INDUSTRY COMPANIES AND RESEARCHERS	100%	100%	Generation of new technology through projects in a local company (including I+D+i for 100 industrial SMEs)	#
	03-2. COMMUNICATION WITH INDUSTRY COMPANIES AND RESEARCHERS	100%	100%	Generation of new technology through projects in a local company (including I+D+i for 100 industrial SMEs)	#
ENHANCE INTERNATIONAL COOPERATION	04-1. INTERNATIONAL COOPERATION	100%	100%	Generation of new technology through projects in a local company (including I+D+i for 100 industrial SMEs)	#
	04-2. INTERNATIONAL COOPERATION	100%	100%	Generation of new technology through projects in a local company (including I+D+i for 100 industrial SMEs)	#
SUSTAINABLE DEVELOPMENT	05-1. SUSTAINABLE DEVELOPMENT	100%	100%	Generation of new technology through projects in a local company (including I+D+i for 100 industrial SMEs)	#
	05-2. SUSTAINABLE DEVELOPMENT	100%	100%	Generation of new technology through projects in a local company (including I+D+i for 100 industrial SMEs)	#

Business impact of our activity in 2020

For **every Euro** invested by a company in R&D with us, **revenue of €10.3 is produced** in its Income Statement.



For **every job position** at TECNALIA, **5 other jobs** are kept in the Basque Country.



Social impact of our activity in 2020

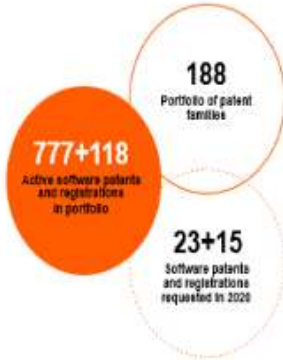
For **every Euro** invested by Basque Public Institutions in TECNALIA, a **GDP of €16.2** is generated.



For **every Euro** invested by Basque Public Institutions in TECNALIA, a **tax return of €1.90** is generated.



Patents

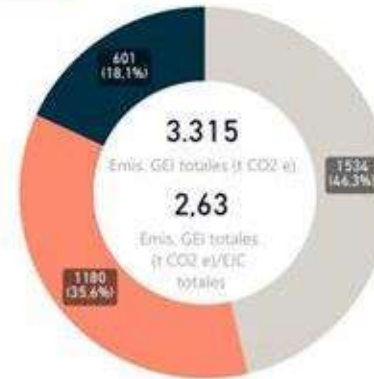


NTBCs

The survival rate of TECNALIA'S NTBCs 5 years after their establishment is 100%.



Environmental impact - Carbon footprint

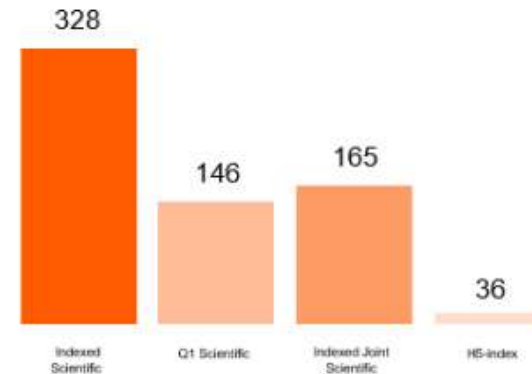


ALCANCE	HC 2019	HC 2020	HC/EJC 2019	HC/EJC 2020
ALCANCE 1	1.334	1.180	1,07	0,94
ALCANCE 2	930	601	0,75	0,48
ALCANCE 3A	4.237	1.534	3,41	1,22
TOTAL	6.501	3.315	5,23	2,63

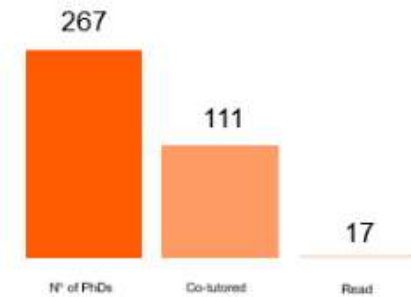
- ALCANCE 1: ACTIVIDADES DIRECTAS. Fuentes propiedad de la empresa o bajo su gestión
- ALCANCE 2: ACTIVIDADES INDIRECTAS A SOCIADAS AL CONSUMO DE ENERGIA
- ALCANCE 3A: OTRAS ACTIVIDADES INDIRECTAS ANTERIORES. Actividades asociadas a la provisión de bienes o servicios adquiridos por la empresa

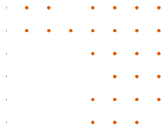
Technological Specialisation

Publications



Doctoral Theses





**BUT KPIs AND NUMBERS ARE NOT ENOUGH
TO SHOW THE IMPACT OF AN RTO**

**TECNALIA IS NOW DEVELOPING A NEW IMPACT FRAMEWORK
ACCORDING TO OUR NEW MISSION**

**MORE FOCUS ON MEASURING OUR CONTRIBUTION TO THE
SUSTAINABLE TRANSITIONS WHICH LEAD US TO REACH THE SDG
GOALS**

**WHICH HELP US TO IMPROVE THE MANAGEMENT OF OUR INSTITUTION
TO DELIVER MORE ECONOMIC AND SOCIETAL IMPACT AND
CONTRIBUTE TO MITIGATE ENVIRONMENTAL IMPACT**





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THANK YOU VERY MUCH FOR YOUR ATTENTION

ANGELICA LOPEZ SOBRADO

Head of Tecnalía Impact Assessment

Technology Watch and Strategic
Surveillance Manager

angelica.lopez@tecnalia.com

+34 663 994 496      

tecnalia.com

