



MANUMIX

Interreg Europe



European Union
European Regional
Development Fund

Basque action plan

innobasque
berrikuntzaren
euskal agenzia agencia vasca
de la innovación

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I. Introduction

II. Basque action plan

I. Introduction

How to improve the contribution of innovation policy mix to the Advanced Manufacturing priority?

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EVALUATION

LEARNING & IMPROVING

Work on **results** and **impacts** of RDI programmes, following a combined approach



GOOD PRACTICES

Good practices from other regions related to Advanced Manufacturing **programmes** or **monitoring and evaluation systems**

I. Introduction

Basque Country's action plan's blocks

1. Transference of good practices

- Industrialisation of research results: IR2 from Piedmont
- Innovative public procurement: SBRI from Wales

2. Set general guidelines about monitoring and evaluation for RDI programmes included in the Science, Technology and Innovation Plan (STIP) in the following plan

3. Evolve the current monitoring and evaluation system of the 3 MANUMIX programmes towards a joint system

Initial scope of the project

Related with the self-defined indicator: Number of improved instruments cofounded by ERDF and related with AM (2)

II. Basque action plan

Transference of good practices

II. Basque action Plan. Transference of good practices: context

The Basque innovation policy mix does not include an ad-hoc programme for the industrialisation and for innovative public procurement

Industrialisation of research results

- There is no ad-hoc programme for the industrialisation of research results.
- Hazitek might cover industrialisation activities, but it seems that a new ad-hoc programme will better meet the requirement of this kind of projects.
- Companies of the stakeholder group were highly interested.

Innovative public procurement

- The Science, Technology and Innovation Plan (STIP) states the need to introduce a mechanism of innovative public procurement.
- Attempts had previously been made, mainly with the Health Ministry, but with no success.
- No proper formula was developed or identified.

II. Basque action Plan. Transference of good practices: industrialisation of research results



IR2 (Piedmont): Programme for the industrialisation of research results

Purpose	Support industrial research and experimental development activities for the production and introduction of innovative products on the market.		
Beneficiaries	<ul style="list-style-type: none"> • Big companies • SMEs • Research organisations (cannot lead) 	Main characteristics	<ul style="list-style-type: none"> • Cofounded by ERDF • In accordance with EU No 651/2014 • Sequentially granted (non competitive)
Budget	€63M	Instrument	Subsidy (maximum of €10M per project) <ul style="list-style-type: none"> • 35-45% depending on the company's size for industrial research activities • 35% for experimental development activities • 35% for research organisations for all type of research activities
Projects' typology		Conditions that the projects must meet	
<ul style="list-style-type: none"> • Innovative solutions for the company and the market of reference. • Industrial research and experimental development projects with particular emphasis on previous phases to commercialisation (high TRLs, at least 7) • Big investment projects of interest for the region and strategic for the company. • Individual or collaborative projects (with other companies or research organisations). 		<ul style="list-style-type: none"> • Eligible costs ≥ €5M. • Based on a patent or concrete results of previous R&D activities. • Business plan to guaranty the introduction of the results on the market (not eligible). • Maximum duration of 36 months. • Experimental developments costs > industrial research costs • Reach at least TRL7 (demonstration of a prototype in a real environment) • Projects in RIS3 areas or in related ones • In collaborative projects, a legally constituted temporary association (leader's eligible costs > 50% of total costs) • Research organisations' costs < 20% of the total eligible costs • One application as a leader • It is possible to collaborate with organisations from outside Piedmont (maximum of 15% of eligible costs) • Subsidy's 20% payment at the end of the project depending on the objectives achieved. 	



Small Business Research Initiative – SBRI (Wales): Innovative public procurement

Main characteristics

- SBRI Catalyst is a Welsh Government initiative that enables the development of innovative products and services through Public Procurement Innovative (PPI). It is not supported by the ERDF currently in Wales and the programme is administered by Innovative UK.
- The instrument connects challenges of the public sector with innovative ideas from industry, leading to better public services and improved efficiency and effectiveness.
- The 1 pilot plus 14 SBRI challenges have been launched in Wales since 2012.
- It generates new business opportunities for companies, especially small and medium-sized enterprises (SMEs), providing a route to market for their ideas and bridges the seed funding gap experienced by many early stage companies.
- SBRI Catalyst funding allows the public sector becomes an intelligent lead customer and successful businesses gain opportunities within the public sector with their innovative solutions whilst retaining their intellectual property rights.
- A 2 stage competitive process, a contract for feasibility (up to €100,000) and then if successful, a larger demonstration contract (up to €1 million) normally for 2 ideas.
- Pre-start-ups may apply, however the contracts can only be awarded to legal entities. All applicants must demonstrate a route to market.
- SBRI promotes economic growth of companies & creates new markets.
- Welsh Government SBRI Catalyst has launched 15 challenges (14 +1 pilot challenge) since 2012. Projects have involved Welsh Government's (WG) departments (Transport, Health, Environment, Food, and Education), Natural Resources Wales (Environment agency), 2 Regional Health Boards, 2 Local Government regions and 2 Welsh Regional Police forces. 89 contracts were awarded, valued at over €7.37m. The policy has meant 50% of winners are Welsh businesses, securing nearly €3.4m value in contracts.

II. Basque action Plan. Transference of good practices: next actions

Next actions.

Industrialisation of research results

1. Analyse IR2 in-depth (typology of supported projects and companies, alignment with EU rules, etc.)
2. Analyse the alignment with Hazitek and Gauzatu Industria.
3. Check the need of the programme with potential beneficiaries.
4. If applicable, define the main characteristics of a new programme.

Innovative public procurement

1. Analyse SBRI in-depth (typology of supported projects and companies, alignment with EU rules and the Basque Government's procurement rules, etc.)
2. Check the need of the programme with other Government's departments and public bodies, as well as with the potential beneficiaries (companies).
3. If applicable, define the main characteristics of a new programme.

II. Basque action plan

General guidelines for monitoring and evaluation

II. Basque action Plan. General guidelines for monitoring and evaluation: context

The development level of the RDI programmes' monitoring and evaluation systems differ among them.

In addition, there is room for improvement in the alignment of each programme's monitoring system with the Science, Technology and Innovation Plan's monitoring system.

Alignment between the STIP indicators and the analysed RDI programmes' indicators

INDICADORES	C-P	BERC	IRF	IRA	IRP	PRE	POS	Emaitek Plus	Elkartek Tipo 1	Elkartek Tipo 2	Elkartek Tipo 3	Hazitek Estr.	Hazitek Comp.	Lehiabide	Kudeabide	Pertsonak
OP1 % gasto en I+D de la RVCTI vinculado a prioridades RIS3			○	○	○			●	●	●	●	●	●	○	○	○
OP2 Peso de la investigación fundamental s/gasto I+D								●	●	●						
OP2 Peso del desarrollo experimental s/ gasto I+D								●				○	●			
OP3 Publicaciones científicas indexadas en Euskadi	●	●	●	●	●			●								
OP3 % publicaciones científicas en el primer cuartil	●	●						●								
OP3 Solicitudes de patentes EPO/PCT	○							●								
OP3 Venta de productos nuevos sobre la cifra de negocio total								○								
OP4 % de financiación vasca sobre total Horizon 2020	○							○								
OP4 Financiación privada de I+D de origen internacional																
OP4 Porcentaje de financiación internacional del gasto en I+D	○							○								
OP5 % de empresas innovadoras sobre el total de 10 ≤ empleos												○	○	○	○	○
OH6 % personal investigador doctor	●		●	●	●	●		○								
OH6 Personal investigador de las empresas	○							●								

● Sistema seguimiento a lineado

○ Sistema de seguimiento parcialmente a lineado

■ Contribución primaria

■ Contribución secundaria

II. Basque action Plan. General guidelines for monitoring and evaluation: next actions

The next actions will be developed during the elaboration of the new Science, Technology and Innovation Plan (STIP) in 2019.

1. Analyse in-depth the monitoring and evaluation systems of the RDI programmes included in the Science, Technology and Innovation Plan (STIP) 2020
2. Define the general guidelines in accordance with the objectives of the following STIP that will be elaborated throughout 2019 and will come into effect in 2020
3. Rise awareness among programme managers and develop training activities and materials (handbooks, etc.)

The knowledge gathered from the workshops will be a major input

II. Basque action plan

Improve the monitoring and evaluation system
of MANUMIX's programmes

II. Basque action Plan. Improve the monitoring and evaluation system of MANUMIX's programmes: context

The monitoring and evaluation of the 3 programmes would give answers to the following type of questions

Combined

- Which is the generated employment, leveraged investments or incomes from new products and services thanks to the 3 programmes?
- Is there any difference between the **logical sequence** of the programmes from the policy-makers' point of view compared to the companies'?
- Is their **combination** producing **positive effects** in the companies?
- Is there any **Advanced Manufacturing area not covered** by the 3 programmes?

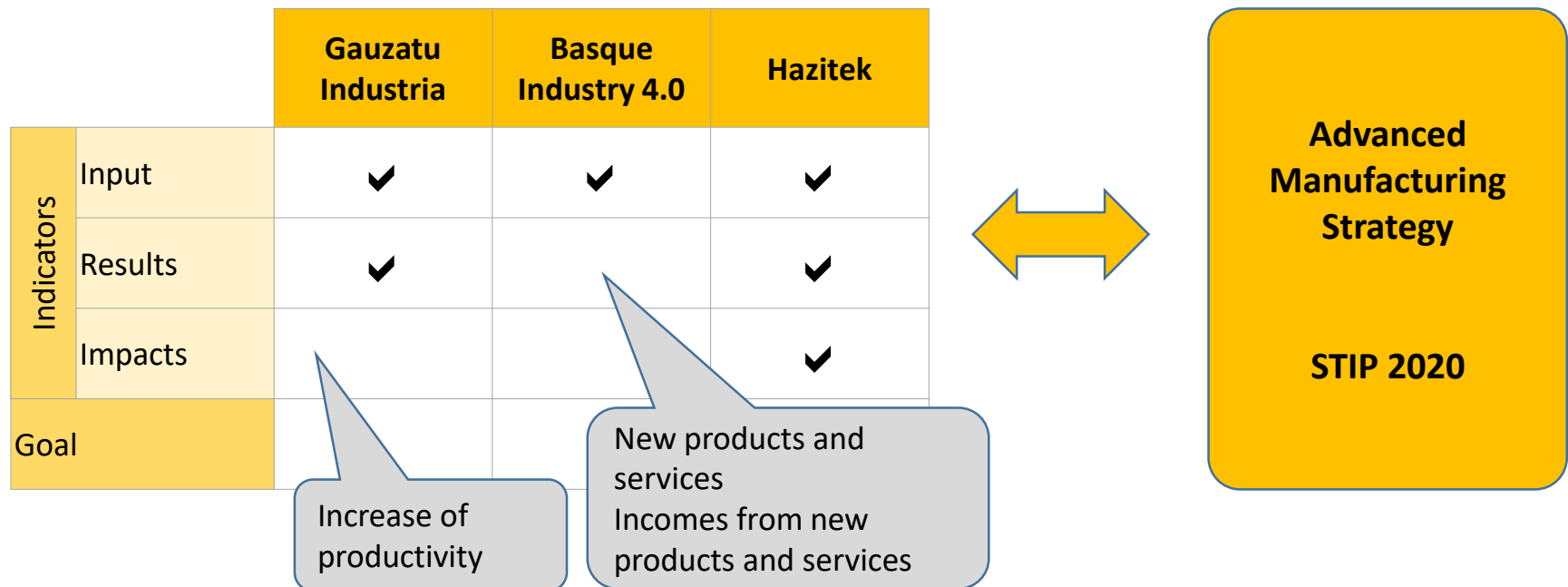
Individually

- Which is the **cost-benefit** of the participating companies?

II. Basque action Plan. Improve the monitoring and evaluation system of MANUMIX's programmes: context

The conclusions of the peer review show that the development level of each programme's monitoring and evaluation system is different.

Current situation of the monitoring and evaluation system of the 3 programmes



II. Basque action Plan. Improve the monitoring and evaluation system of MANUMIX's programmes: next actions

The following actions will be developed in three phases.

The benchmarking conducted by Orkestra and the inputs of the peer review will be the major knowledge input.

Phase 1

Alignment of the monitoring system of the 3 programmes

Phase 2

Set goals for the 3 programmes

Phase 3

Conduct evaluations of the combination of the 3 programme sporadically



II. Basque action Plan. Improve the monitoring and evaluation system of MANUMIX's programmes:

By the end of phase 1, the 3 programmes' monitoring system will be aligned among them and with Advanced Manufacturing priority.

Actions

1. Analyse in-depth the monitoring and evaluation system of Gauzatu Industria and Basque Industry 4.0 following the recommendations of the peer review and including new indicators.
2. Analyse the feasibility of conducting an impact study for Gauzatu Industria and Basque Industry 4.0.
3. Design mechanism to collect information and to evaluate, and conduct impact studies, if applicable.

		Gauzatu Industria	Basque Industry 4.0	Hazitek
Indicators	Input	✓	✓	✓
	Results	✓	✓	✓
	Impacts	✓	✓	✓
Goals				



II. Basque action Plan. Improve the monitoring and evaluation system of MANUMIX's programmes: next actions

By the end of phase 2, the three programmes will have goals defined in order to measure their contribution to the Advanced Manufacturing priority.

Actions

1. Evaluate the possibility of setting goals to input, result and impact indicators of the three programmes.
2. If applicable...
 - Conduct a base-line study of the situation of Advanced Manufacturing in the Basque Country.
 - Set goals to input, result and/or impact indicators of the three programmes.

		Gauzatu Industria	Basque Industry 4.0	Hazitek
Indicators	Input	✓	✓	✓
	Results	✓	✓	✓
	Impacts	✓	✓	✓
Goals		✓	✓	✓





II. Basque action Plan. Improve the monitoring and evaluation system of MANUMIX's programmes: next actions

By the end of phase 3, sporadic analysis to evaluate the contribution of the programmes to the Advanced Manufacturing priority or to explore the causes of deviations regarding the goals are conducted.

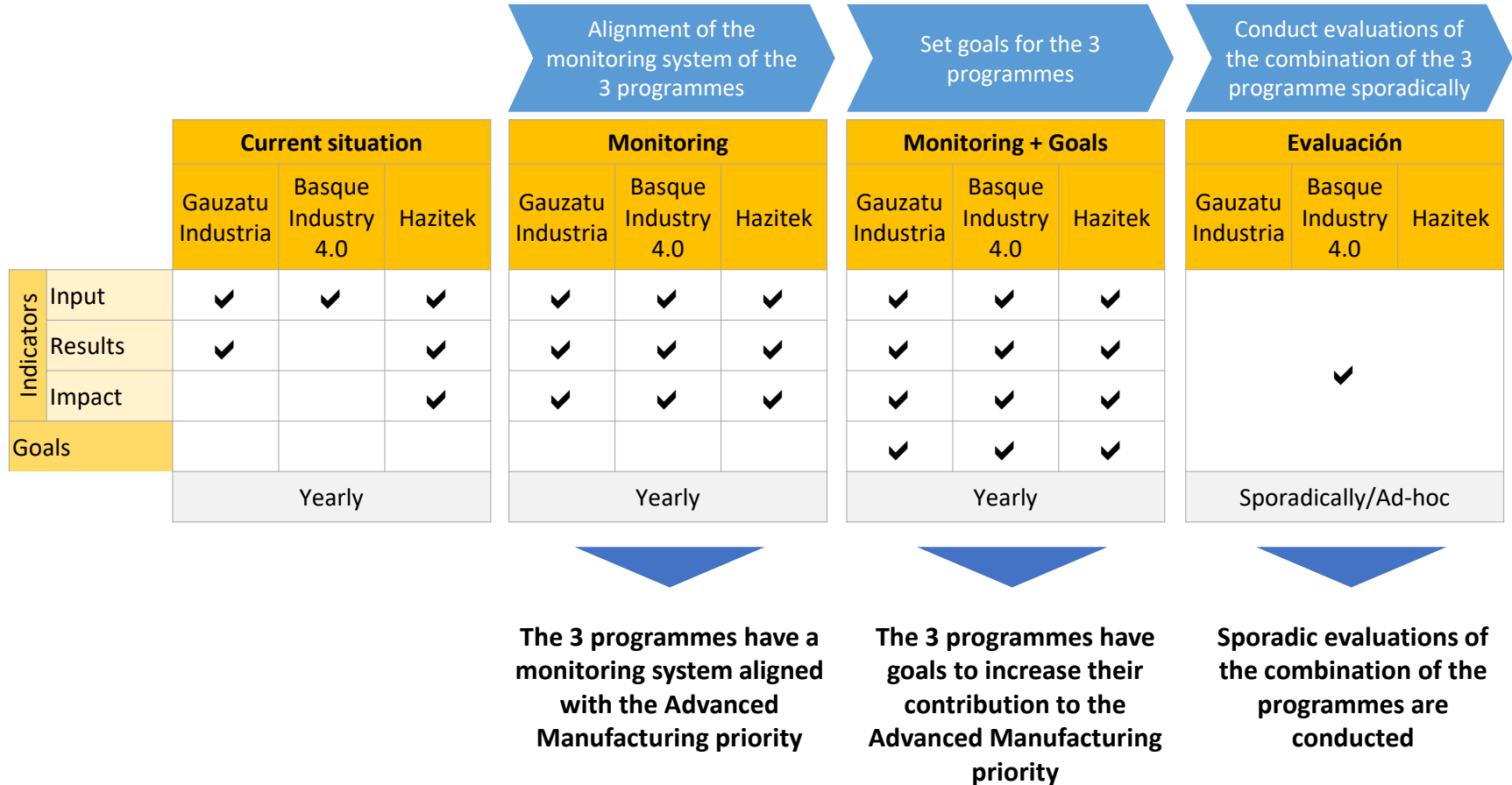
Actions

1. Explore the existing or potential relationship between the three programmes from the companies utility's point of view and identify changes to be made, if applicable.
2. Set possible itineraries for the companies and communicate them.
3. Evaluate the possibility of creating a technical committee to analyse the interaction between the programmes.



II. Basque action Plan. Improve the monitoring and evaluation system of MANUMIX's programmes: next actions

All of this taking into account the combination (overlaps, synergies, etc.) of the three programmes.



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