

PERTE

Chip

Microelectronics & Semiconductors



Funded by the
European Union
NextGenerationEU

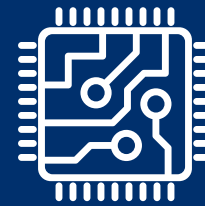


GOBIERNO
DE ESPAÑA

#PlanDeRecuperación

1. INTRODUCTION

OBJECTIVE



PERTE CHIP

OBJECTIVE

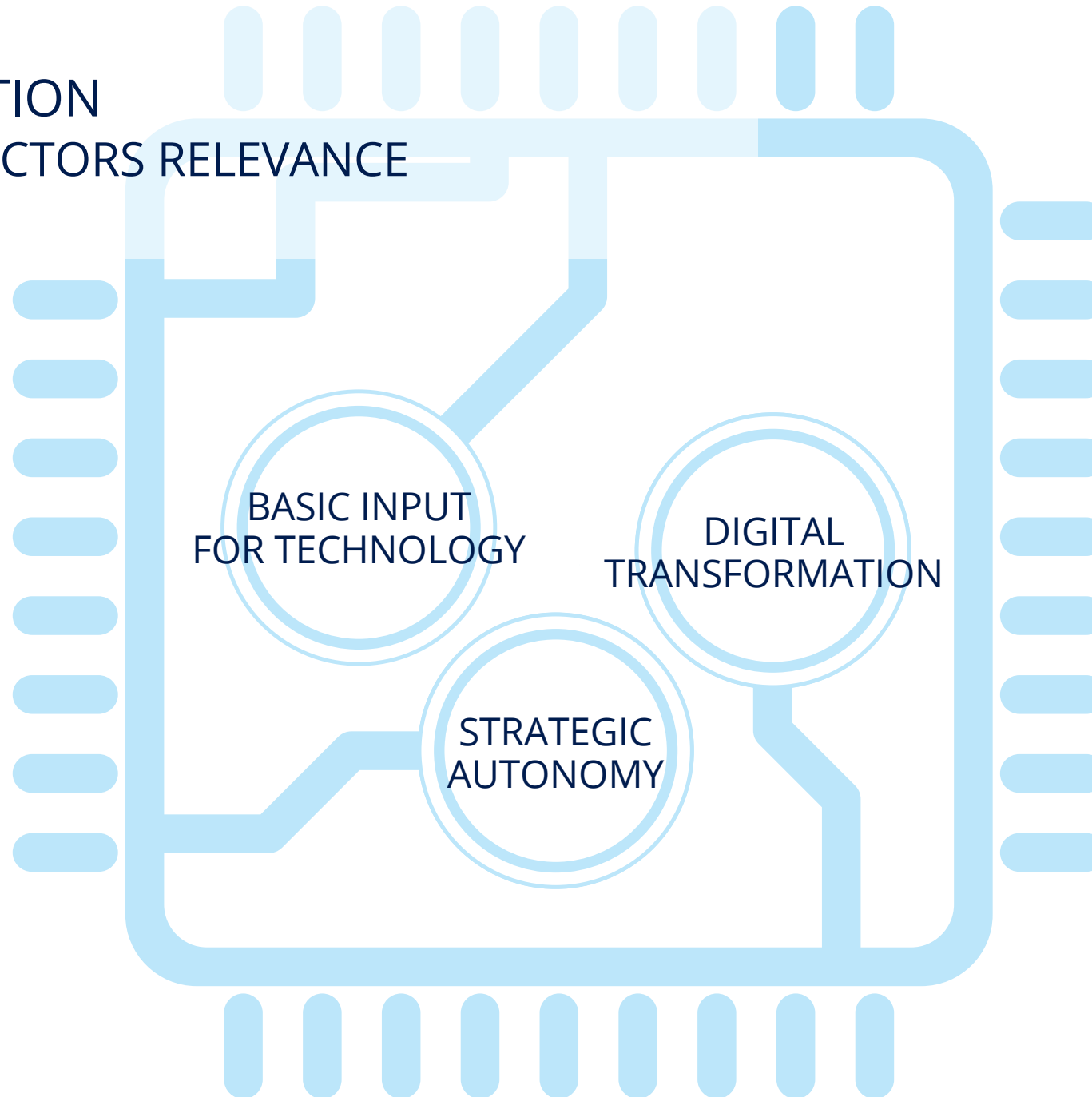
DEVELOP DESIGN AND
MANUFACTURING CAPACITIES
IN THE MICROELECTRONIC AND
SEMICONDUCTOR SPANISH INDUSTRY

IMPACT

MULTIPLIER EFFECT
ON SPANISH INDUSTRY AS A WHOLE

1. INTRODUCTION

SEMICONDUCTORS RELEVANCE

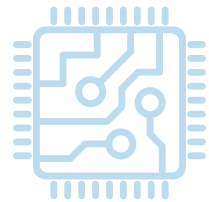




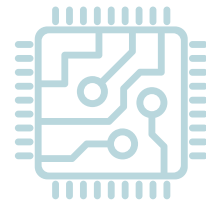
1. INTRODUCTION

STRATEGIC ASSETS FOR THE PERTE

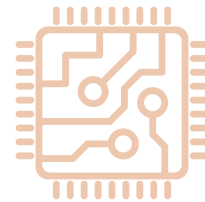
RISC-V



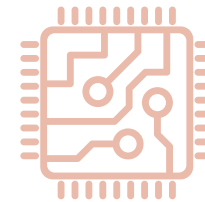
INTEGRATED
PHOTONICS



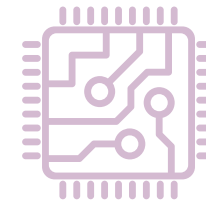
QUANTUM
COMPUTING



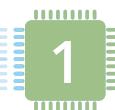
MICRO-
NANOFABS



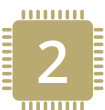
DRIVING
SECTORS



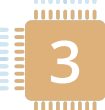
2. DEFINITION AND STRUCTURE SEVEN PRINCIPLES



LONG-TERM
VISION



PRIORITISATION



PHASED
PROGRESS



TECHNICAL
LEADERSHIP

PUBLIC-PRIVATE
COOPERATION



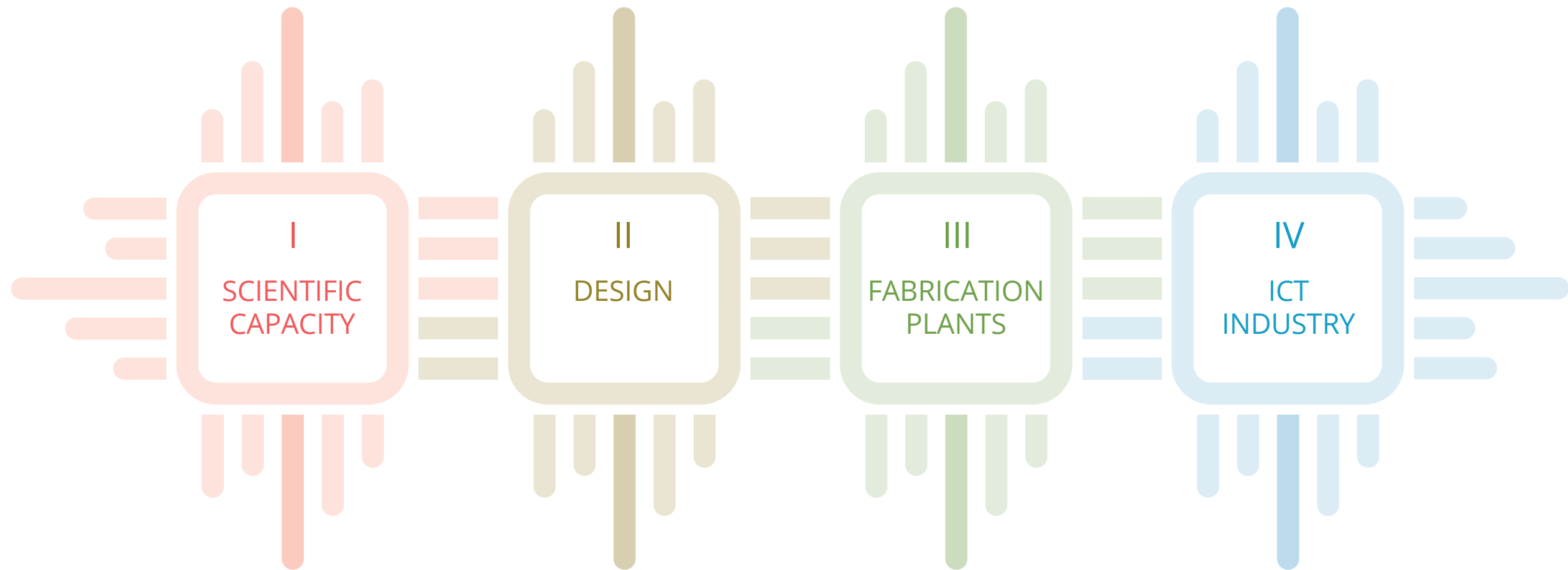
INTEGRATED
NATURE



ALIGNMENT WITH THE
EUROPEAN CHIPS ACT



2. DEFINITION AND STRUCTURE FOUR COMPONENTS



3. EXECUTION ACTIONS & BUDGET (I)

	M€
COMPONENT I. BOLSTERING SCIENTIFIC CAPACITY	1.165
ACTION 1: Development of R&D&i on cutting-edge and alternative architecture microprocessors	475
ACTION 2: Development of R&D&i on integrated photonics	150
ACTION 3: Development of R&D&i on quantum chip development	40
ACTION 4: Budget line for the IPCEI on Microelectronics and Communication Technologies	500
COMPONENT II. DESIGN STRATEGY	1.330
ACTION 5: Creation of cutting-edge alternative architecture microprocessor fabless companies	950
ACTION 6: Creation of pilot lines	300
ACTION 7: Creation of a network for education, training and skills-building in relation to semiconductors	80

3. EXECUTION ACTIONS & BUDGET (II)

	M€
COMPONENT III. CONSTRUCTION OF FABRICATION PLANTS IN SPAIN	9.350
ACTION 8: Creating fabrication capacity at sizes below 5 nm	7.250
ACTION 9: Creating fabrication capacity at sizes above 5 nm	2.100
COMPONENT IV. STIMULATING THE ICT MANUFACTURING INDUSTRY IN SPAIN	400
ACTION 10: ICT manufacturing industry incentive scheme	200
ACTION 11: Creation of a chips fund	200
GOVERNANCE	5
Special Commissioner for the Microelectronic and Semiconductors Project	5
TOTAL PUBLIC INVESTMENT	12.250



3. EXECUTION INSTRUMENTS



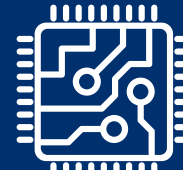
ADDENDUM TO THE RECOVERY PLAN

V | 

Industry and SME
modernisation and
digitalisation

V | 

Industry and SME
modernisation and
digitalisation



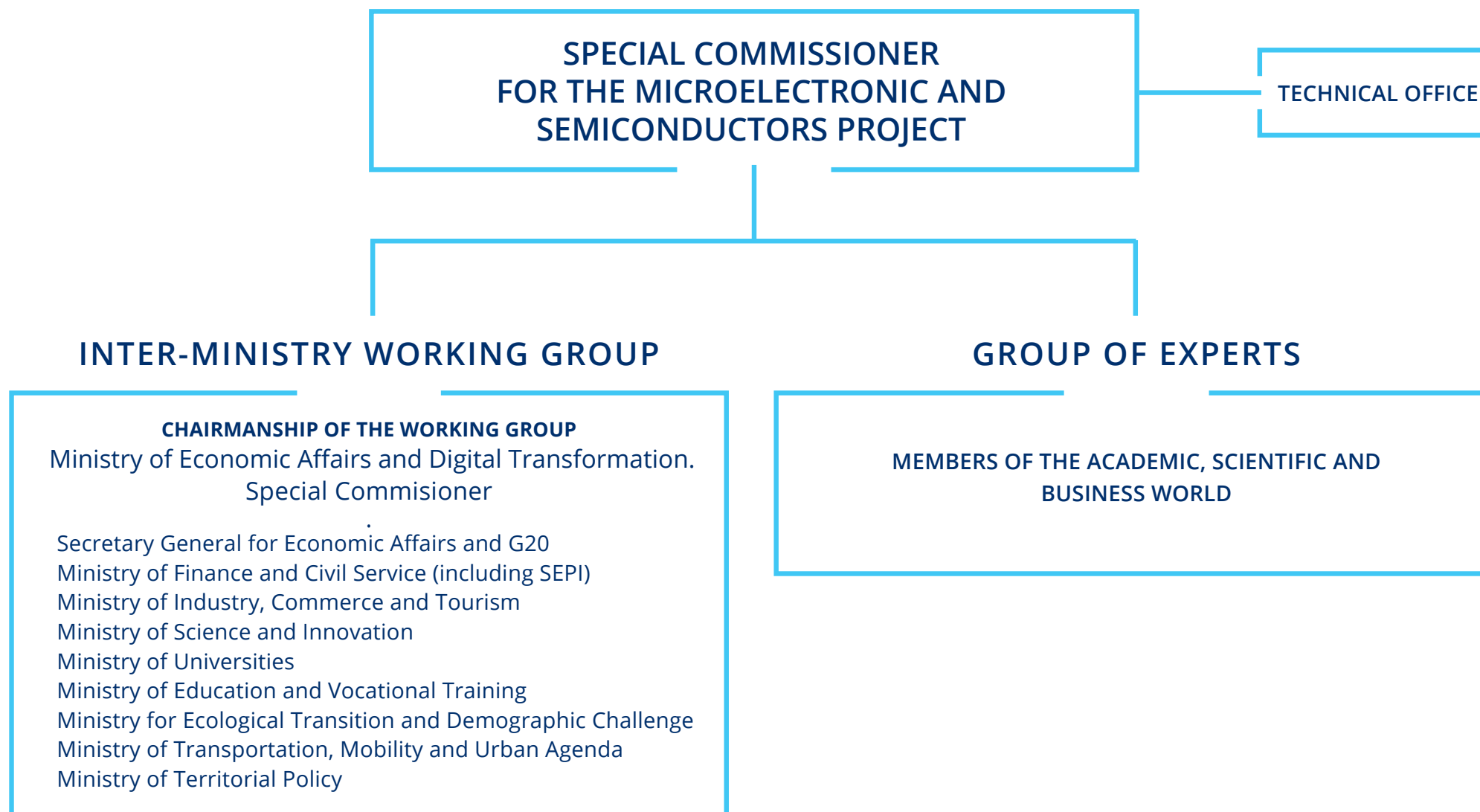
PERTE CHIP
Microelectronic and semiconductors

C12
Industrial Policy
Spain 2030

C15
Digital connectivity,
boosting
cybersecurity,
5G deployment

- Grants
- Agreements
- Contracts or orders
- Capital contributions
- Loans
- Contributions to investment funds

3. EXECUTION GOVERNANCE



4. CONCLUSION STRATEGIC PROJECTS (PERTE)

PERTE ELECTRIC VEHICLE	PERTE PRECISION HEALTH	PERTE RENEWABLE ENERGIES, HYDROGEN & STORAGE	PERTE AGRI-FOOD CHAIN	PERTE NEW ECONOMY OF LANGUAGE	PERTE CIRCULAR ECONOMY	PERTE NAVAL SHIP BUILDING	PERTE WATER DIGITALISATION	PERTE AEROSPACE	PERTE CHIP	PERTE NEW ECONOMY OF CARE
Develop the new ecosystem for electric and connected vehicles	Develop new methods for health promotion and prevention, diagnostic tools and technologies	Maximise green transition opportunities to move to a carbon neutral economy and reinforce Spanish energy autonomy	Develop an integrated value chain in the agri-food industry through digitalisation	Foster knowledge industries in Spanish and co-official languages to maximise the economic, social and cultural value of the Spanish language	Accelerate the transition towards an economic model based on the circular economy	Support the modernisation, diversification and productivity of the naval and shipping sector	Improve sustainable management of water and its infrastructures, access to water supply and adequate sanitation services through the digitalisation of the sector	Improve the technological capacity and strategic positioning of the aerospace sector	Take the lead in the production of cutting-edge semiconductors to enhance Europe's strategic autonomy	Enhance potential growth, quality employment and economic and social resilience
<ul style="list-style-type: none"> ✓ EUR 4 BN of public investment ✓ EUR 20 BN of private investment ✓ 10 calls for projects <ul style="list-style-type: none"> • 1 completed • 3 open or under evaluation 	<ul style="list-style-type: none"> ✓ EUR 1 BN of public investment ✓ EUR 0.5 BN of private investment ✓ 18 calls for projects <ul style="list-style-type: none"> • 7 completed • 11 open or under evaluation 	<ul style="list-style-type: none"> ✓ EUR 7 BN of public investment ✓ EUR 10 BN of private investment ✓ 16 calls for projects <ul style="list-style-type: none"> • 2 completed • 1 under evaluation • 13 open or upcoming 	<ul style="list-style-type: none"> ✓ EUR 1.8 BN of public investment ✓ 14 calls for projects <ul style="list-style-type: none"> • 7 resolved • 7 open or upcoming 	<ul style="list-style-type: none"> ✓ EUR 1.1 BN of public investment ✓ 1 call for project completed 	<ul style="list-style-type: none"> ✓ EUR 0.5 BN of public investment ✓ 2 forthcoming calls for projects 	<ul style="list-style-type: none"> ✓ EUR 0.3 BN of public investment ✓ EUR 1.15 BN of private investment ✓ 2 upcoming calls for projects 	<ul style="list-style-type: none"> ✓ EUR 2 BN of public investment ✓ EUR 1.15 BN of private investment ✓ 1 upcoming call for project 	<ul style="list-style-type: none"> ✓ EUR 2 BN of public investment ✓ EUR 2 BN of private investment ✓ 8 calls for projects <ul style="list-style-type: none"> • 2 completed • 6 upcoming 	<ul style="list-style-type: none"> ✓ EUR 12.2 BN of public investment 	<ul style="list-style-type: none"> ✓ EUR 2 BN of public investment



Thanks



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