



Annex 7. Funding Plan

Annex to the E1.3.1 TWIST Common Strategy for mutual learning and capitalisation of RIS3 results

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List of acronyms and abbreviations

- CEF - Connecting Europe Facility
- CEI - Campus de excelencia internacional (International excellence Campus)
- CENTA - Fundación Pública Andaluza Centro de Nuevas Tecnologías del Agua
- COSME - Competitiveness of Small and Medium-Sized Enterprises
- DF - Cohesion Fund
- EAFRD - European agricultural fund for rural development
- EaSI - Employment and Social Innovation
- EIA - European Innovation Agency
- EIT - European Institute of Innovation and technology
- ERCEA - European Agency of the European Research Council
- ERDF - European regional development fund
- ERIC - European Infrastructure Consortiums
- ESF - European social fund
- ESIF - European Structural Investment Funds
- ETC - European Territorial Cooperation
- EU - European Union
- GNI - Gross national income
- GDP - Gross domestic product
- ICT - Information and communication technologies
- KIC - Knowledge and Innovation Communities
- NGO - Non-governmental organization
- OP - Operational Programmes
- PAIDI - Andalusian Research, Development and Innovation Plan
- R&D&I - Research, development and innovation
- RIS3 - Research and Innovation Strategies for Smart Specialisation
- SME - Small and medium enterprise
- TWIST - Transnational Water Innovation Strategy (TWIST)
- UN - United Nations
- WP - Working Programs
- AACID - Agencia Andaluza para la Cooperación Internacional al Desarrollo
- AECID - Agencia Española para la Cooperación Internacional al Desarrollo
- Future and Emerging Technologies (FET)
- RDP - Rural development program



1. Introduction

The Transnational Water Innovation Strategy (TWIST) has framed the project and its goals within the European strategic and policy context and has set a strategic framework to execute the defined objectives.

The defined vision for the TWIST strategy is:

“A territory that is resilient to market and climate changes, that stimulates economic growth and environmental protection by being anchored in innovation and stakeholders engagement”.

In order to accomplish the defined vision, a mission and four strategic objectives have been set. The TWIST project has as mission to:

“Enable, support and fast-track the development and deployment of technological and innovative solutions for the water sector and for the smart specialization sectors”.

Taking into account the defined mission, the following Strategic Objectives are focused on designing a pathway for its achievement, thus contributing for the water sector and smart specialization areas development. They aim to guide the mission’s accomplishment helping to move forward in a structured way. Furthermore, they are the starting point for the definition of the Action Plans, which will define how the strategy and its objectives will be implemented.

The defined objectives are:

- SO1 - Define, develop and deploy topic specific living labs considering already defined water-related living labs in each country (short-term objective);
- SO2 - Promote circular economy on wastewaters, on wastewaters treatment plants and through land use management;
- SO3 - Promote appropriate skills development anchored in technological and/or organizational innovation;



Together with these objectives that are per se independent from each other, though synergistic, the below objective should be considered as cross-cutting as it should be embedded in the actions carried out on SO1, SO2 and SO3.

SO4 - Ensure participation from all.

There is the need to have access to financial resources in order ensure means for the strategic objectives be met. This document aims to identify the funding opportunities in Europe and in each country to assure the continuity of the activities and projects of the Living Labs.



2. European financial instruments

Currently we are in-between key European funding programmes, making it difficult to pinpoint what programmes and specific calls will be available to be applied for.

Over the last decade, the rationale of EU sponsored public intervention on R&D&I has focused not only on allowing technological development but also for it to be translated into innovative products and services that meet market needs and expectations and that lead to job creation.

The Europe 2020 strategy has put forward three priorities - smart, sustainable and inclusive growth - that have shaped R&D&I funding programmes such as Horizon 2020 and assisted on embedding R&D&I within Cohesion Policy and Territorial Cooperation Programmes for 2014-2020, particularly through the Smart Specialisation Strategies.

Over half of EU funding is channelled through the 5 European structural and investment funds (ESIF)¹ which are mainly focused in five topics:

- research and innovation;
- digital technologies;
- supporting the low-carbon economy;
- sustainable management of natural resources;
- small businesses.

The **European structural and investment funds** which may be of relevance for the TWIST Strategy are²:

European regional development fund (ERDF) - promotes balanced development in the different regions of the EU.

European social fund (ESF) - supports employment-related projects throughout Europe and invests in Europe's human capital - its workers, its young people and all those seeking a job.

¹https://ec.europa.eu/info/funding-tenders/funding-opportunities/funding-programmes/overview-funding-programmes/european-structural-and-investment-funds_en

² The fifth structural and investment fund is the European maritime and fisheries fund, which falls outside the scope of the strategy and of its objectives



European agricultural fund for rural development (EAFRD) - focuses on resolving the particular challenges facing EU's rural areas. This fund may be of relevance for financing wastewater reuse within agriculture.

Cohesion fund (CF) - funds transport and environment projects in countries where the gross national income (GNI) per inhabitant is less than 90% of the EU average. In 2014-20, and within the TWIST regions, only Portugal is eligible to apply for the Cohesion Fund.

Together with these structural funds, **topic specific (sectorial) funding instruments** can be of importance to assist on meeting the TWIST strategic objectives. They are:

Horizon 2020 - Horizon 2020 is the biggest EU Research and Innovation programme ever with nearly €80 billion of funding available over 7 years (2014 to 2020) - in addition to the private investment that this programme is likely to attract. It promises more breakthroughs, discoveries and world-firsts by taking great ideas from the lab to the market.

LIFE - is the EU's funding instrument for the environment and climate action. The current funding period 2014-2020 has a budget of €3.4 billion.

COSME - The EU programme for the Competitiveness of Small and Medium-Sized Enterprises (SMEs). With a planned budget of €2.3bn for the period 2014-2020.

Connecting Europe Facility (CEF) - a key EU funding instrument to promote growth, jobs and competitiveness through targeted infrastructure investment at European level.

ERAMUS+ - the EU's programme to support education, training, youth and sport in Europe. Its budget of €14.7 billion will provide opportunities for over 4 million Europeans to study, train, and gain experience abroad.

Employment and Social Innovation (EaSI) - a financing instrument at EU level to promote a high level of quality and sustainable employment, guaranteeing adequate and decent social protection, combating social exclusion and poverty and improving working conditions.

Rights, Equality and Citizenship Programme - contribute to the further development of an area where equality and the rights of persons, as enshrined in



the Treaty, the Charter and international human rights conventions, are promoted and protected.

This heterogeneous list of financing instruments is due to the different nature of the entities that form the TWIST project, as well as the wealth of possibilities of topics to be created under the water-related Living Labs, and the environmental and socio-economic nature of the defined strategic objectives. Nonetheless, the ones related to education, employment, environment and resource efficiency and R&D&I are likely to be more relevant to carry out the preconized by the strategy

It must be highlighted that the European Commission encourages synergies between the ESIF money and the Horizon 2020 programme (Figure 2.1) in the same project or through successive projects that build on each other or parallel projects/roadmaps that complement each other.

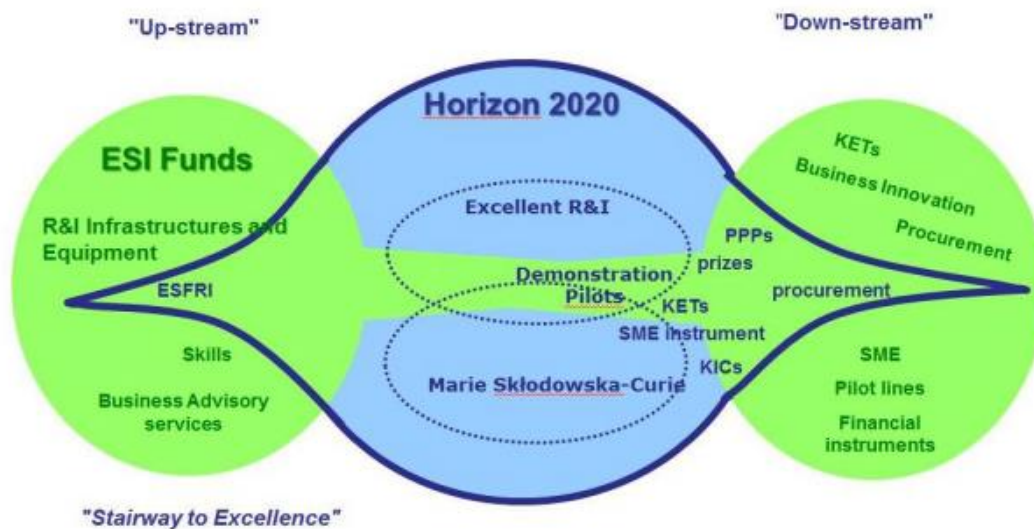


Figure 2.1 - Synergies between ESIF and Horizon 2020

In fact, Horizon 2020 is the programme that is likely to be more relevant within the TWIST strategy framework. The main characteristic of this programme, its challenge-based approach, brings together resources and knowledge across different fields, technologies and disciplines, including social sciences and the humanities, also emphasising excellent science and industrial leadership. These



three focus areas constitute the main pillars/priorities of the programme, being complemented by horizontal topics and supporting entities (Figure 2.2).

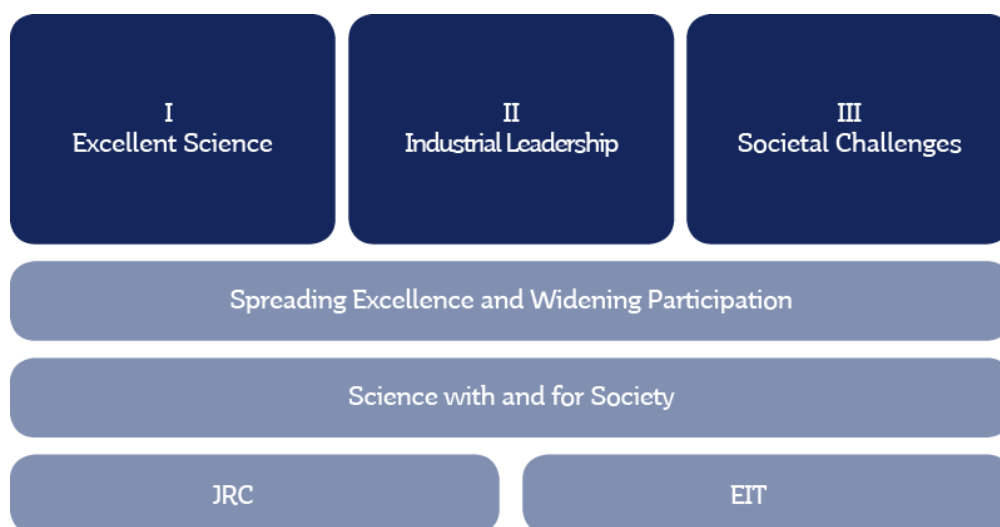


Figure 2.2 - Horizon 2020 structure

The last work programme (WP) of Horizon 2020 (2018 - 2020) focuses efforts on fewer topics with a combined budget over € 7 billion which directly support the Commission’s political priorities.

The four Focus Areas of the 2018-2020 WP are:

1. **Building a low-carbon, climate resilient future** - aligns R&I investments towards the climate change targets of the Paris Agreement, which marked the beginning of a new era in the fight against climate change, as well as the UN's Sustainable Development Goals. It aims to develop solutions for achieving carbon neutrality and climate resilience of Europe in the second half of the century;
2. **Connecting economic and environmental gains** - the Circular Economy - will also align R&I towards the above mentioned targets. This focus area consolidates relevant R&I initiatives and it will make a strong contribution to jobs and growth and industrial competitiveness. It is mostly focused on funding initiatives for upcycling plastics of food and drinks packaging and for sustainably using and re-using raw materials and water in industry.



3. **Digitising and transforming European industry and services** - Research and innovation under this focus area aims to help fully seize opportunities of digitisation of products, services and processes to transform industry and provide solutions to several major societal challenges;
4. **Boosting the effectiveness of the Security Union** - support implementation of the Security Union priorities and help tackling the challenges that Europe is facing on multiple fronts, such as cyber-crime and other crime, security threats and threats to infrastructures, natural and man-made disasters, as well as hybrid threats.

The TWIST Strategy and the overall project will be developed and translated into material actions in a timeframe that lies in between the Horizon 2020 programme and the next research and innovation framework programme: the Horizon Europe (2021-2027). Some information on this new framework programme is already available, making possible to verify that the strategic objectives defined in the TWIST strategy will have access to financial means without compromising what was defined and agreed in the document.

The promotion of Research and Innovation will be maintained in its entirety through the implementation and maintenance of the proven programmes from Horizon 2020. The figure below shows what has been so far agreed on the structure and approach for Horizon Europe 2020.

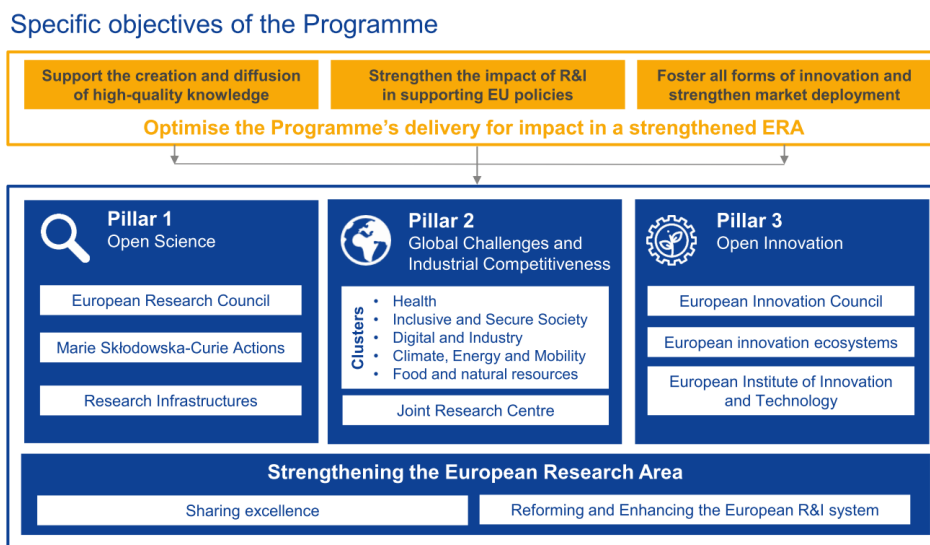
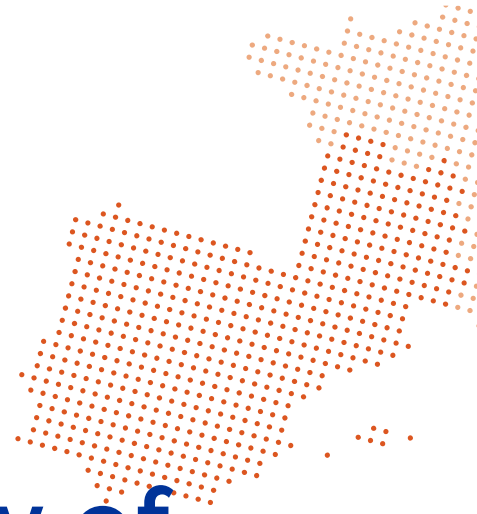


Figure 2.3 - Horizon Europe Structure



3. Conclusions

The Twist Strategy has been developed within a strategic and policy framework and related funding opportunities that is in its final years. However, European documents already available informing on what is likely to occur in the subsequent framework programmes allows a certainty that there will be a continuation of the European work and views, thus access to financial support to carry out the defined on the TWIST strategy.



Annex 7.1. Overview of the European Financing Instruments

**TWIST Common Strategy for mutual
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<p>Horizon 2020</p>	<p>Horizon 2020 is the biggest EU Research and Innovation programme ever with nearly €80 billion of funding available over 7 years (2014 to 2020).</p> <p>Funding opportunities under Horizon 2020 are set out in multiannual work programmes, which cover the large majority of support available. The work programmes are prepared by the European Commission within the framework provided by the Horizon 2020 legislation and through a strategic programming process integrating EU policy objectives in the priority setting.</p> <p>The main Horizon 2020 work programme is complemented by the separate work programmes for the European Research Council, Euratom, the Joint Research Centre and the Strategic Innovation Agenda for the European Institute of Innovation and technology (EIT).</p> <p>For the 2018-2020 period, the following areas constitute the programme main focus:</p> <ul style="list-style-type: none"> • Building a low carbon, climate resilient future; • Connecting economic and environmental gains - the Circular economy • Digitising and transforming European industry and services • Boosting the effectiveness of the Security Union
<p>LIFE programme</p>	<p>The LIFE programme is the EU's funding instrument for the environment and climate action created in 1992. The current funding period 2014-2020 has a budget of €3.4 billion.</p> <ul style="list-style-type: none"> • Environment sub-programme <p>Funds for nature conservation and biodiversity, environment and resource efficiency, environmental governance and information</p> <ul style="list-style-type: none"> • Climate action sub-programme <p>Funds for climate change mitigation, climate change adaptation, climate governance and information</p>
<p>European Regional</p>	<p>The ERDF aims to strengthen economic and social cohesion in the European Union by correcting imbalances between its regions.</p>



<p>Development Fund</p>	<p>It aims to strengthen economic and social cohesion in the European Union by correcting imbalances between its regions.</p> <p>The ERDF focuses its investments on several key priority areas. This is known as 'thematic concentration':</p> <ul style="list-style-type: none"> • Innovation and research; • The digital agenda; • Support for small and medium-sized enterprises (SMEs); • The low-carbon economy. <p>Under the European Territorial Cooperation programmes, at least 80 % of funds are concentrated on the four priority areas mentioned above.</p> <p>European Territorial Cooperation (ETC), better known as Interreg, is one of the two goals of cohesion policy and provides a framework for the implementation of joint actions and policy exchanges between national, regional and local actors from different Member States. The overarching objective of ETC is to promote a harmonious economic, social and territorial development of the Union as a whole. Interreg is built around three strands of cooperation: cross-border (Interreg A), transnational (Interreg B) and interregional (Interreg C).</p>
<p>European Social Fund</p>	<p>The ESF is Europe's main instrument for supporting jobs, helping people get better jobs and ensuring fairer job opportunities for all EU citizens. It works by investing in Europe's human capital - its workers, its young people and all those seeking a job. ESF financing of EUR 10 billion a year is improving job prospects for millions of Europeans, in particular those who find it difficult to get work.</p> <p>Working in partnership</p> <p>The European Social Fund is designed and implemented in a partnership between the European Commission and national and regional authorities. This partnership also involves a wide range of other partners, such as NGOs and workers' organisations, in the design of the ESF strategy and the monitoring of its implementation. Working in partnership is the best way to ensure that spending is as effective and efficient as possible and meets the needs of the region or community concerned.</p>



	<p>Two other important principles guide the functioning of the ESF:</p> <ul style="list-style-type: none"> • Co-financing ensures ownership at national and regional level: ESF funding is always accompanied by public or private financing. Co-financing rates vary between 50% and 85% (95% in exceptional cases) of the total project costs depending on the relative wealth of the region. • Shared management allows for taking responsibility at the appropriate level: ESF guidelines are designed at European level through consultation with a wide variety of stakeholders, and Operational Programmes are negotiated between national authorities and the Commission. Implementation on the ground, through Operational Programmes, is managed by the relevant authorities in each country. <p>THE ESF IN PORTUGAL:</p> <ul style="list-style-type: none"> • Boosting skills and jobs • Promoting inclusion <p>THE ESF IN SPAIN:</p> <ul style="list-style-type: none"> • Better skills, more jobs • Combating exclusion • Education for opportunities <p>THE ESF IN FRANCE:</p> <ul style="list-style-type: none"> • Promoting employability • Social measures
<p>EU Programme for Employment and Social Innovation (EaSI)</p>	<p>The Employment and Social Innovation (EaSI) programme is a financing instrument at EU level to promote a high level of quality and sustainable employment, guaranteeing adequate and decent social protection, combating social exclusion and poverty and improving working conditions.</p> <p>EaSI is managed directly by the European Commission. It brings together three EU programmes managed separately between 2007 and 2013: PROGRESS, EURES and Progress Microfinance.</p>



	<p>As of January 2014, these programmes form the three axes of EaSI. They support:</p> <ul style="list-style-type: none"> • the modernisation of employment and social policies with the PROGRESS axis; • job mobility with the EURES axis; • access to micro-finance and social entrepreneurship with the Microfinance and Social Entrepreneurship axis. • The total budget for 2014-2020 is EUR 919,469,000 in 2013 prices.
<p>Cohesion Fund</p>	<p>The Cohesion Fund is aimed at Member States whose Gross National Income (GNI) per inhabitant is less than 90 % of the EU average. It aims to reduce economic and social disparities and to promote sustainable development.</p> <p>For the 2014-2020 period, the Cohesion Fund concerns Bulgaria, Croatia, Cyprus, the Czech Republic, Estonia, Greece, Hungary, Latvia, Lithuania, Malta, Poland, Portugal, Romania, Slovakia and Slovenia.</p> <p>The Cohesion Fund allocates a total of € 63.4 billion to activities under the following categories:</p> <ul style="list-style-type: none"> • trans-European transport networks, notably priority projects of European interest as identified by the EU. The Cohesion Fund will support infrastructure projects under the Connecting Europe Facility; • environment: here, the Cohesion Fund can also support projects related to energy or transport, as long as they clearly benefit the environment in terms of energy efficiency, use of renewable energy, developing rail transport, supporting intermodality, strengthening public transport, etc.
<p>Regional Development and Cohesion Policy beyond 2020: The New</p>	<p>A focus on five investment priorities, where the EU is best placed to deliver</p> <ol style="list-style-type: none"> 1. Smarter Europe, through innovation, digitisation, economic transformation and support to small and medium-sized businesses;



Framework at a glance

2. a Greener, carbon free Europe, implementing the Paris Agreement and investing in energy transition, renewables and the fight against climate change;
3. a more Connected Europe, with strategic transport and digital networks;
4. a more Social Europe, delivering on the European Pillar of Social Rights and supporting quality employment, education, skills, social inclusion and equal access to healthcare;
5. a Europe closer to citizens, by supporting locally-led development strategies and sustainable urban development across the EU.

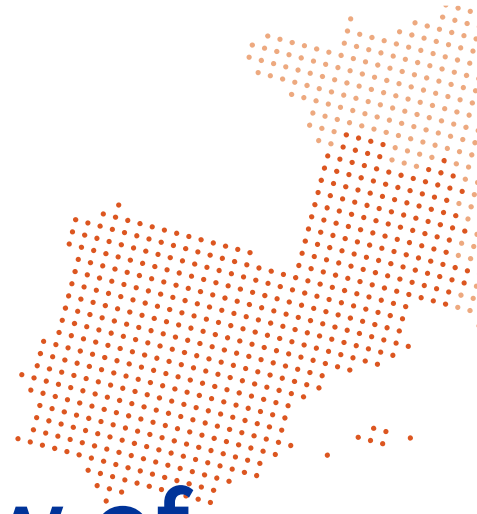
A more tailored approach to regional development

Cohesion Policy keeps on investing in all regions, still on the basis of 3 categories (less-developed; transition; more-developed).

The allocation method for the funds is still largely based on GDP per capita. New criteria are added (youth unemployment, low education level, climate change, and the reception and integration of migrants) to better reflect the reality on the ground. Outermost regions will continue to benefit from special EU support.

Cohesion Policy further supports locally-led development strategies and empowers local authorities in the management of the funds. The urban dimension of Cohesion Policy is strengthened, with 6% of the ERDF dedicated to sustainable urban development, and a new networking and capacity-building programme for urban authorities, the European Urban Initiative.





Annex 7.2. Overview of the European Financing Instruments - Portugal

**TWIST Common Strategy for mutual
learning and capitalisation of RIS3
results - Funding Plan**





Portuguese operational programmes (OP) relevant for the TWIST Strategy³

<p>Competitiveness and Internationalisation OP</p>	<p>Has a strong structural component, focusing on results and actions capable of transforming the economic fabric. It promotes private involvement that will allow a greater leverage of Structural Funds allocations for the benefit of the Portuguese economy.</p> <p>The main challenge for Portugal is to significantly increase its competitiveness, mobilizing and leveraging resources and skills, promoting job creation and convergence with the more developed EU economies. Hence, the thematic OP aims at a more competitive economy based on knowledge intensive activities, investment in tradable goods and services and strengthening the export orientation and skills of Portuguese companies, particularly SMEs. It also promotes cost savings associated to the increased efficiency of public services and to the improvement of transport links including the integration in European networks.</p> <p>Funding priorities:</p> <ul style="list-style-type: none"> Strengthening research, technological development and innovation; Enhancing access to, and use and quality of ICT; Enhancing the competitiveness of SMEs; Promoting sustainable transport and removing bottlenecks in key network infrastructures; Promoting sustainable and quality employment and supporting labour mobility; and Enhancing institutional capacity of public authorities and stakeholders and efficient public
<p>Regional OP Alentejo</p>	<p>Main objectives</p>

³ https://ec.europa.eu/regional_policy/index.cfm/en/atlas/programmes/



	<p>Contribute to promoting the competitiveness of the regional economy and the region's sustainable development and internal cohesion, as well as the region's contribution to the achievement of the key EU and national development goals.</p> <p>Funding priorities</p> <p>Competitiveness and SME internationalisation; Education and qualification; Research, technological development and innovation; Sustainable urban development; Employment and economic enhancement of endogenous resources; Social cohesion and inclusion; Energy efficiency and mobility; Environment and sustainability; Institutional capacity building and modernising the administration.</p>
<p>Regional OP Lisboa</p>	<p>Main objectives</p> <p>Contribute to promoting the competitiveness of the regional economy and the region's sustainable development and internal cohesion, as well as the region's contribution to the achievement of the key EU and national development goals.</p> <p>Funding priorities</p> <p>Strengthening RTD and innovation; Enhancing the competitiveness of SMEs; Supporting the shift towards a low-carbon economy in all sectors; Preserving and protecting the environment and promoting resource efficiency; Promoting sustainable and quality employment and supporting labour mobility; Promoting social inclusion, combating poverty and any discrimination;</p>



	<p>Investing in education, training and vocational training for skills and lifelong learning; Sustainable urban development.</p>
<p>Sustainability and Resource Efficiency OP and Use</p>	<p>Main objectives</p> <p>The thematic Operational Programme "Sustainability and Efficiency in the Use of Resources" is a monofund programme (Cohesion Fund), covering the entire Portuguese territory and focuses on the scope of intervention of the Cohesion Fund linked to the environment. It concerns structural interventions around three priority axes, each covering one single thematic objective associated with the environment.</p> <p>The programme aims to anticipate and adapt to the great global changes in the field of energy, climate change and more efficient use of resources along a dynamic perspective that links competitiveness to sustainability. It aims to contribute to the fulfilment of the Europe 2020 strategy, in particular regarding sustainable growth, namely by (i) responding to the transitional challenges to a low carbon economy, (ii) developing a more efficient use of resources and (iii) promoting greater resilience to climate risks and disasters.</p> <p>Funding priorities</p> <p>The Programme will focus on three main priorities:</p> <p>Supporting the transition to a low carbon economy in all sectors; Adaptation to climate change and risk management and prevention; Environment Protection and promotion of resource efficiency.</p> <p>Along these main priorities, investments will focus on promoting the production and distribution of energy from renewable sources, supporting energy efficiency, intelligent energy management and the renewable energy usage - in particular in public infrastructure. The development and deployment of intelligent distribution systems will be supported - promoting low-carbon strategies for all types of territories,</p>



especially urban areas, including the promotion of sustainable urban mobility.

Climate change adaptation will be a main focus, including approaches based on ecosystems, to address specific risks, ensuring disaster resilience and developing disaster management systems. Investments in the waste and water sectors will aim to meet EU requirements of soil protection and rehabilitation of biodiversity and promotion of ecological systems, including through the Natura 2000 network. Specific measures will be supported for greener infrastructure, to improve the urban environment, revitalise cities, decontaminate and reconvert brownfield sites.



Cross-border, transnational and interregional co-operation (Portugal)

<p>Atlantic Area</p> <p>Interreg</p>	<p>Main objectives</p> <p>The Programme promotes cooperation between 37 Atlantic regions from 5 EU Member States: France, Spain, Portugal, Ireland and the United Kingdom.</p> <p>It has a clear focus on innovation in all priorities and a commitment to building a resource efficient economy supported by a sustainable and integrated approach to the development of the territory. Cooperation projects will generate a measurable impact in the regions and improve sustainable economic development.</p> <p>Funding priorities</p> <ul style="list-style-type: none"> Stimulating innovation and competitiveness, addressing the challenge of accelerating intelligent growth; Fostering resource efficiency, promoting renewable energies and energy efficiency; Strengthening the territory's resilience to risks of natural, climate and human origin, to support a better protection and management of the territory; Enhancing biodiversity and the natural and cultural assets will serve the identified need of protecting the environment and promoting the cultural and natural identity.
<p>ESPON</p> <p>Interreg</p>	<p>Main objectives</p> <p>The objective of the ESPON 2020 Cooperation Programme is to support the reinforcement of the effectiveness of EU Cohesion Policy and other sectoral policies and programmes under European Structural Investment (ESI) funds as well as national and regional territorial development policies, through the production, dissemination and promotion of territorial evidence covering the entire territory of the 28 EU Members States, as well as 4 Partner States of Iceland, Liechtenstein, Norway and Switzerland.</p>



	<p>Funding priorities</p> <p>ESPON focuses on the Thematic Objective 11 “Enhancing institutional capacity”. However, as all 11 thematic objectives have a territorial dimension or impact, they are all considered relevant for support by European territorial evidence produced, generated and disseminated by ESPON 2020.</p>
<p>INTERACT</p> <p>Interreg</p>	<p>Main objectives</p> <p>The Programme aims at reinforcing the effectiveness of cohesion policy by promoting exchange of experiences, transfer of good practices and dissemination of innovative approaches among the territorial cooperation programmes and partners.</p> <p>Funding priorities</p> <p>Service delivery</p> <p>Technical Assistance</p>
<p>INTERREG EUROPE</p> <p>Interreg</p>	<p>Main objectives</p> <p>The Programme aims at improving cohesion policy through exchange of experience, transfer of good practices and joint initiatives among EU 28 regions (+ Norway and Switzerland) on thematic objectives, such as innovation, SMES, low carbon economy and environmental protection.</p> <p>Funding priorities</p> <p>Research, technological development and innovation</p> <p>Competitiveness of small and medium-sized enterprises</p> <p>Low carbon economy</p> <p>Environment and resource efficiency</p>
<p>Interreg V-A -</p> <p>Spain-Portugal</p> <p>(POCTEP)</p> <p>Interreg</p>	<p>Main objectives</p> <p>The cooperation programme Interreg V-A Spain-Portugal (POCTEP) addresses the most important cross-border challenges linked to the implementation of the Europe 2020 strategy in the Spanish - Portuguese border region.</p>



	<p>Under the heading of "smart growth", the programme aims to strengthen cross-border regional innovation capacity, and to increase cooperation between small and medium-sized enterprises and the research and development sector across borders.</p> <p>Under the heading of "sustainable growth", the programme aims to promote adaptation to climate change, prevention and management of risks, reduction of the environmental impact of economic development and promotion of resource efficiency.</p> <p>Finally, with regard to "territorial cohesion" the programme targets the development and improvement of cross border public services and the enhancement of the identification of citizens with the Spanish - Portuguese border region.</p> <p>Funding priorities</p> <ul style="list-style-type: none"> Smart growth - making the Spanish - Portuguese border region area a region of knowledge and innovation that is competitive internationally Smart growth - making the Spanish - Portuguese border region area more competitive internationally and promoting economic development that respects the environment Sustainable growth - promoting climate change adaptation, risk prevention and, resource efficiency Territorial Cohesion - promoting cross border cooperation between administrations and citizens in the Upper Rhine border area
<p>Mediterranean Interreg</p>	<p>Main objectives</p> <p>The Programme aims to promote growth in the Mediterranean area by fostering innovative concepts and practices (technologies, governance, innovative services). It will also encourage sustainable use of (natural and cultural) resources and support social integration, through an integrated and territorially based cooperation approach.</p> <p>Funding priorities</p>



	<p>Promote innovation capacities to develop smart and sustainable growth</p> <p>Foster low carbon strategies and energy efficiency</p> <p>Protect and promote the Mediterranean natural and cultural resources</p> <p>Enhance the Mediterranean transnational governance</p>
<p>South West Europe Interreg (SUDOE)</p>	<p>Main objectives</p> <p>The cooperation programme best known by the name SUDOE addresses transnational challenges associated with the implementation of the Europe 2020 strategy in the south-west of Europe. It supports cooperation in the smart development and sustainable development spheres, focusing in particular on cooperation between the research and innovation networks, by developing the dissemination of applied research linked to Key Enabling Technologies (KETs), and encouraging cooperation between the various departments and institutions that support the development and internationalisation of small and medium-sized enterprises (SMEs). It also supports the dissemination of best practices and innovative solutions for energy efficiency in buildings or consumption of renewable energy, the development of risk management coordination strategies and activities, especially those linked to water resources shortages, and the preservation and promotion of natural and cultural heritage, particularly Natura 2000 network sites.</p> <p>Priority areas</p> <ul style="list-style-type: none"> Promoting innovatory capacity to create smart and sustainable growth Boosting the competitiveness and internationalisation of SMEs Improving policies on energy efficiency in public buildings and housing Preventing and managing risks more efficiently Protecting the environment and promoting resource efficiency



	Technical assistance
<p>URBACT</p> <p>Interreg</p>	<p>Overview of URBACT III</p> <p>URBACT III is a European Territorial Cooperation programme (2014-2020) jointly financed by the European Union (through the European Regional Development Fund, nearly 75 million euro).</p> <p>URBACT III will act as a European exchange and learning programme promoting sustainable urban development. It will enable European cities to work together to develop solutions to urban challenges and share good practices, lessons and solutions with all stakeholders involved in urban policy throughout Europe. The programme will cover all of the 28 Member States of the European Union as well as the two partner countries of Norway and Switzerland.</p> <p>URBACT III will facilitate the sharing of knowledge and good practice between cities and other levels of government in order to promote integrated sustainable development and improve the effectiveness of regional and cohesion policy. In doing this URBACT III will contribute to the Europe 2020 goals by providing a mechanism for stakeholders involved in developing and implementing urban policy to develop their knowledge and skills. The new knowledge and skills acquired from participation in the URBACT III programme will contribute to stronger and more vibrant European cities and help tackle a range of emerging urban issues linked to smart, sustainable and inclusive growth (the three Europe 2020 priorities)</p> <p>Focusing on Thematic Objectives</p> <p>Although the type and nature of urban issues vary from city to city, URBACT III will particularly focus on a number of common themes which European cities face.</p> <p>Thematic Objective 1: Strengthening research, technological development and innovation</p> <p>Thematic Objective 4: Supporting the shift towards a low-carbon economy in all sectors</p>

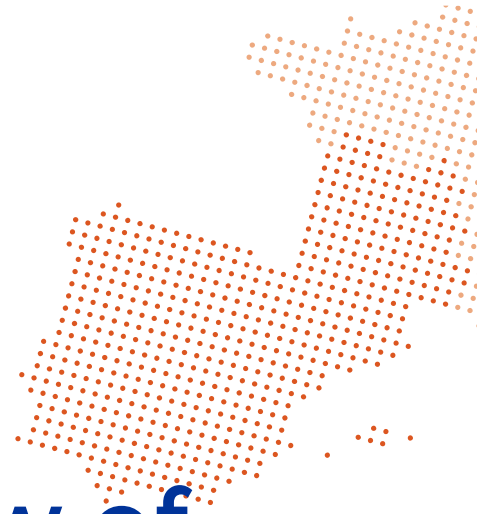


Thematic Objective 6: Protecting the environment and promoting resource efficiency

Thematic Objective 8: Promoting employment and supporting labour mobility

Thematic Objective 9: Promoting social inclusion and combating poverty

This concentration will be achieved through the targeting of the calls for proposals for URBACT III activities on these thematic objectives.



Annex 7.3. Overview of the Financing Instruments - Spain

**TWIST Common Strategy for mutual
learning and capitalisation of RIS3
results - Funding Plan**



Types of programmes

The budget of the Andalusian Public Foundation Centre for New Water Technologies (CENTA), depends on a high percentage of the acquisition of projects in competitive competition (this document does not include public tenders or private contracts).

The main financing programs can be divided first by field of competence, and secondly by type of projects.

At the competence level, CENTA can go to:

a) **European level**, mainly programs financed by the European Commission through its different departments. In this section we can distinguish:

R&D financing programs.

Territorial Cooperation Programs.

Environment Programs.

b) **National level**, mainly programs financed by the Ministry of Science, Research and Universities, Ministry for Ecological Transition, through the Biodiversity Foundation, Ministry of Agriculture, Fisheries and Food, or the Ministry of Foreign Affairs, European Union and Cooperation, through the Spanish Agency for International Development Cooperation (AECID). In this section we can distinguish:

R&D financing programs.

Environment Programs.

Rural Development Program.

Program of actions for International Development Cooperation.

c) **Regional level**, mainly programs financed by the Regional Ministry of Economy, Knowledge, Companies and Universities, the Regional Ministry of Agriculture, Livestock, Fisheries and Sustainable Development or the Regional Ministry of Equality, Social Policies and Conciliation, through the Andalusian Agency for International Development Cooperation (AACID). In this section we can distinguish:

R&D financing programs.

Program of actions for International Development Cooperation.

Rural Development Program of Andalusia.





Spanish National Programmes

National Plan for Scientific and Technical Research and Innovation 2017-2020.

The National Plan is the main instrument of the General State Administration for the development and achievement of the objectives of the Spanish Science and Technology and Innovation Strategy 2013-2020 and the Europe 2020 Strategy, and includes state grant for the R&D&i, which are preferably granted through calls under competitive competition.

The National Plan 2017-2020, is made up of four national programs that correspond to the general objectives established in the Spanish Strategy 2013-2020, and two strategic actions. Each of these Programs is developed through different subprograms that contemplate the financing of different types of projects:

The ones that CENTA can participate are:

a) National Program for the Generation of Knowledge and Scientific and Technological Strengthening of the R&D System.

Subprogram Scientific-Technical Equipment

Acquisition, improvement, updating and installation and commissioning of scientific-technical equipment necessary for the execution of quality research, the improvement of the results and their scientific, economic and social impact, as well as for the proper functioning of the existing research infrastructures.

Subprogram Dynamization actions "Research Networks"

The "Research Networks" dynamization actions are activities for the creation and development of networks of research groups aimed at creating:

- Thematic networks: constituted by researchers framed in the same or similar thematic area of knowledge as



well as by researchers with common objectives that require a multidisciplinary approach

- Strategic networks: constituted by Spanish managers or researchers who participate in European research initiatives or who advise, expand or disseminate scientific and technological knowledge among representatives of State bodies.
- Knowledge and Innovation Communities (KIC) recognized by the European Institute of Innovation and Technology.
- European Infrastructure Consortiums (ERIC).
- Emblematic initiatives of the European Union Research and Innovation Framework Program (FET-Flagships).

Subprogram Knowledge Generation R&D Projects.

The purpose of this action is to promote the execution of research projects without a previously defined thematic orientation, which are motivated by scientific curiosity and whose primary objective is the significant increase in scientific and technological knowledge and quality research and whose advances and results will have an impact in the improvement of the social, economic and technological conditions of Spanish society.

It is intended to finance research projects that are relevant, ambitious, with high socio-economic impact, avoiding the fragmentation of research groups and promoting synergies and the association of teams in a single project with sufficient size and critical mass necessary to meet the challenges that Spanish research has in the context of the European Research Area. It is also planned to support its own, innovative and promising lines of research developed by young research staff that is incorporated into the R&D system.



Each project must comply with the criteria for the selection of operations approved by the monitoring committee of the Spanish Multi-Regional Operational Program 2014/2020, which are the following:

- Be included in the areas of specialization of the national or regional RIS3.
- Serve as a ladder for excellence.
- Develop competitive advantages.
- Provide a proven positive socioeconomic effect in the state or region.

The grants will be intended to finance the costs of personnel, small equipment, materials and other expenses related to the objectives of the project. The period of execution of the research projects will be three or four years and, exceptionally, two.

Subprogram Dynamization actions «Europe Excellence».

The "Europe Excellence" revitalization actions aim to strengthen Spanish participation in the "Starting Grants" and "Consolidator Grants" subprograms, framed in Pillar 1 "Excellent Science" of the Framework Program of the European Union Horizon 2020 and managed by the European Agency of the European Research Council (ERCEA).

These are scientific-technical research projects related to the objectives of the proposals submitted and evaluated positively and considered eligible by the European Research Council, but for budgetary reasons they have not been finally funded by that body.

The objective of these dynamization actions is to promote the internationalization of R&D activities and contribute to the advancement of knowledge to face the challenges that Spanish research has in the context of the European Research Area, encouraging the participation of researchers



with scientific trajectories promising. The grants will be intended to finance the costs of personnel, small equipment, materials and other expenses related to the objectives of the project.

b) State R&D&I program aimed at the Challenges of the Society.

R&D Projects “Research Challenges”.

This action aims to contribute to the solution of social, economic and technological problems oriented towards the search for solutions to society's challenges, by publishing its results in forums of high scientific and technological impact, technology transfer and the internationalization of activities.

Specific objectives and activities that are financed: Fund the execution of R+D+I projects led by teams of public research organizations aimed at solving problems related to the great challenges of Spanish society included in the State Plan for Scientific and Technical Research and Innovation 2017-2020

1. Health, demographic change and well-being.
2. Bioeconomy: sustainability of primary and forest production systems,
3. Food safety and quality, marine and maritime research and bioproducts.
4. Safe, efficient and clean energy.
5. Sustainable, intelligent, connected and integrated transport.
6. Climate change and use of natural resources and raw materials.
7. Social sciences and humanities and science with and for society.
8. Digital economy, society and culture.
9. Security, protection and defense.



R&D Projects «International Joint Programming»

Spain, through the Ministry of Science, Innovation and Universities, participates in transnational consortia, both in the European Research Area and internationally, by signing agreements and memoranda of understanding in which it undertakes to support international collaborative projects of high scientific-technical level and in which the participation of Spanish research teams is relevant.

In this sense, the R&D Projects «International Joint Programming» articulate the active participation in the European Research Area and in international initiatives of the agents of the Spanish science, technology and innovation system, aiming to help the creation of Transnational research groups with the critical mass necessary to face the challenges of society whose global dimension means that they cannot be addressed only at national level.

Specific objectives and activities that are financed: This action is aimed at financing Spanish research teams that have successfully attended joint transnational calls in the context of the European Research Area or other international actions in which the Ministry of Science, Innovation and Universities participates through agreements and memoranda of understanding, in specific thematic areas, and that demonstrate scientific excellence and an added value of international collaboration when facing the challenges of society. These grants may only finance direct costs, in the form of marginal costs, and among them, personnel expenses, small equipment, fungible material and other expenses related to the objectives of the project.

Dynamization Actions "Europe Research"

The call aims to finance grants for the preparation of proposals for R&D&i projects in transnational collaboration led by Spanish research groups aimed at the calls for the



European Union Research and Innovation Framework Program for the period 2014-2020 (H2020) and the period 2021-2027 (Horizon Europe). In addition, this call includes the possibility of requesting financing for the preparation of proposals for Future and Emerging Technologies (FET) and grants convened by the European Research Council (ERC), type "Starting Grants", « Consolidator Grants », "Advanced Grant ", " Proof of Concept " and " Synergy Grants " and their equivalents in Horizon Europe. It is about promoting the attraction and retention of scientific talent and internationalization and facilitating the participation of young researchers with relevant and innovative scientific-technical contributions that, although they lack links with any entity that is likely to be a beneficiary or have a temporary relationship that does not cover the entire period of duration of the action, are eligible for the grant of the ERC calls.

Specific objectives and activities that are financed: The grants contemplated in these actions are aimed at promoting and improving Spanish participation in European initiatives in science and technology at H2020, especially and specifically:

- a. Increase the participation of all the agents of the Spanish Science, Technology and Innovation System in H2020.
- b. Enable coordination and leadership of large H2020 projects.
- c. Improve the success and return rate achieved by the beneficiary entities in H2020 with respect to the Seventh Framework Program for Research and Technological Development 2007-2013 (FP7).
- d. Promote the excellence and internationalization of the research staff of the R+D+I executing institutions.
- e. Support access to H2020 by Spanish entities without previous experience.



	<p>f. Facilitate the fulfilment of the participation objectives established in the strategic internationalization plans of the beneficiary entities.</p> <p>The grant will be intended to finance the expenses of acquisition of fungible material, supplies and similar products, consulting costs, translation and equivalent services, travel and subsistence expenses, attendance at congresses and conferences, expenses derived from advice and support for innovation, registration fees for congresses and technical conferences and subcontracting expenses for activities subject to assistance.</p>
<p>Ministry for Ecological Transition</p>	<p>The Biodiversity Foundation annually opens the deadline for submitting projects to the Call for Granting of Grant, under a competitive concurrence regime, for carrying out activities in the field of biodiversity, climate change and sustainable development.</p> <p><i>Object of the grant:</i></p> <p>Grant for carrying out activities related to biodiversity and the environment, provided that they are directly adapted to the purposes of the FB provided for in its Statutes, and that they are more suitable to receive it in accordance with the established criteria. Only those activities that have a direct relationship with the Lines that make up the Action Plan approved annually by the Board of the FB will be subject to the aforementioned grant, and are the following:</p> <ul style="list-style-type: none"> Terrestrial biodiversity. Marine and coastal biodiversity. Climate change and environmental quality. Economy and green employment. International relations. <p><i>Calls</i></p>



	<p>In each call the specific Action Lines will be defined. They may participate in the calls:</p> <p>Non-profit entities and organizations at the state level or that participate in networks, programs or projects that, due to their special characteristics, must be carried out in an area superior to the Autonomous Community or in the marine environment. In addition, they must be based in Spain, be legally constituted and registered in the corresponding registry.</p> <p>Local Entities that are integrated into networks, programs or plans at the state level or that, due to their special characteristics, affect more than one Autonomous Community.</p> <p>Commercial entities, or other natural or legal persons, public or private, in the cases and with the specificities and requirements demanded in each call.</p> <p>They may specifically attend grant for the development of projects in the line of international relations:</p> <p>Non-profit entities based in Spain.</p> <p>The large international non-profit entities that meet the characteristics required in each call.</p> <p>Non-profit entities based in any of the member states of the European Union that meet the characteristics required in each call.</p> <p>Foreign non-profit entities whose proposal submitted to the Biodiversity Foundation is co-financed by AECID or another Spanish agency or agency that promotes international development cooperation activities.</p>
<p>Ministry of Agriculture, Fisheries and Food</p> <p>National development 2014-2020 Rural Program</p>	<p>In accordance with the European Union's 2014-2020 rural development policy, and in accordance with the national competence framework, 18 Rural Development Programs (RDPs) coexist in Spain:</p> <p>A National Rural Development Program (NRDP) 17 Regional Rural Development Programs (RDP)</p>



Each Autonomous Community has developed a Rural Development Program in which, in addition to the horizontal measures and common elements established in the National Rural Development Framework, specific measures are included to respond to different regional situations.

Based on the RDPs, the Autonomous Communities and the Ministry of Agriculture, Fisheries and Food publish grant calls so that potential beneficiaries (people or entities linked to rural areas) can request them, obtain them and apply them to comply with the measures established in the plan.

The NRDP is compatible with the regional RDPs with a clear delimitation between both levels of programming, defined in the National Framework. The NRDP includes actions of supra autonomous scope, of general interest, or whose competence corresponds to the General State Administration. The National Rural Network is included in this Program.

The management authority of the NRDP is the Ministry of Agriculture, Fisheries and Food, through the Directorate General for Rural Development and Forest Policy.

Calls

Through these grants, the execution of innovative projects in the agri-food and forestry field and in rural areas will be supported, of general interest for a sector, defined and designed by supra-regional GO. These projects must start from an innovative idea to solve the possible problems that they face in their field of action. The objective of these grants is to build a competitive agri-food and forestry sector, which contributes to food security, the diversification of productions and products, and the supply of raw materials for food and non-food uses, taking advantage of scientific knowledge and applying it according to their needs



The total budget for this call amounts to 25.5 million euros, with a co-financing of 80% by the European Agricultural Fund for Rural Development (EAFRD). The maximum grant per project is 600,000 euros and the projects must be completed before July 2021, at most of more than two years. The intensity of the grant varies depending on the product to which the innovation is oriented and the type of eligible expenditure.



Andalusian Regional Programmes

Andalusian Research, Development and Innovation Plan (PAIDI 2020).

The Regional Ministry of Economy, Knowledge, Companies and Universities articulate the financing of R&D projects through the Andalusian Research, Development and Innovation Plan (PAIDI 2020).

The Andalusian Research, Development and Innovation Plan (PAIDI 2020), is configured as the main instrument for programming, coordination, dynamization and evaluation of the Research, Development policy Technological and Innovation Administration of the Junta de Andalucía, assuming and highlighting the importance of promoting R&D&i as the engine of social change and modernization of Andalusia, while establishing a series of priority actions and strategic for the development of Andalusian society.

Likewise, the planning framework for R&D&i actions in Andalusia also includes, as especially relevant, the first of the three priorities of the ERDF **Operational Program strategy** in Andalusia for the period 2014-2020: «Smart growth: a economy based on knowledge and innovation », the general economic strategy of the Junta de Andalucía for the period 2014-2020, included in the Agenda for Employment-Economic Plan of Andalusia 2014-2020 and, specifically, the Research Strategy and Innovation for the Smart Specialization of Andalusia (RIS3 - Andalucía).

The Plan is articulated through different lines of grants.

Grants for the realization of research, development and innovation (R&D&i) projects for Agents of the Andalusian Knowledge System.

The grant provided for in this line is aimed at promoting the following types of research projects:

- a. Knowledge generation projects «frontier».



- b. Research projects oriented to the challenges of Andalusian society.
- c. Program to promote participation in the Horizon 2020 Program.
- d. Research projects of excellence (basic or fundamental research).
- e. Research projects in collaboration with the productive fabric.

Grants for the collection, incorporation and mobility of human capital to carry out R&D&i activities in Andalusia.

The grant provided for in this line is aimed at hiring, recruitment and mobility of human resources to carry out R&D&I activities in Andalusia.

Grants for infrastructures and equipment for R&D&i.

They are aimed at financing actions for the improvement, strengthening and consolidation of the R&D&I infrastructures present in the Autonomous Community and managed by Agents of the Andalusian Knowledge System or their groups.

Grants line for carrying out complementary R&D&I actions.

The grant provided for in this line is intended to carry out activities of promotion, promotion and internationalization of R&D&I in the Autonomous Community of Andalusia. The actions financed under this order will be framed within one of the following programs:

Grant for R&D activities of the research groups of the Andalusian Knowledge System.

Grant for international and intersectoral mobility of research staff.

Grant for participation in the Horizon 2020 Program.

Program for strengthening University Research Institutes of Andalusian Universities, Centers and Infrastructures for the acquisition of the "Severo Ochoa" or "María de Maeztu" seal.

Grant for the preparation and presentation of proposals to the European Research Council (ERC).



	<p>Grant for the dissemination of research results.</p> <p>Grant for knowledge transfer activities between the Agents of the Andalusian Knowledge System and the productive fabric.</p> <p>Grant for the R+D+i of the Campus of International Excellence (CEI) of Andalusian public universities.</p>
<p>Subsidy to Cooperation Agents who carry out International Development Cooperation interventions.</p>	<p>The Andalusian Agency for International Development Cooperation (AACID) is the body responsible for coordinating and promoting the international solidarity policies of the Junta de Andalucía.</p> <p>This international cooperation is articulated through the financing of development cooperation projects themselves, awareness raising and education for development projects, and humanitarian and emergency action. Among the cooperation agents that carry out actions financed by AACID are public entities belonging to the Andalusian Administration, non-governmental development organizations (NGDOs), universities, local entities and business and union associations based in Andalusia.</p> <p>The collaboration between the Andalusian Agency for International Development Cooperation and the aforementioned agents is developed through collaboration agreements and grants</p> <p>Eligible interventions include:</p> <ul style="list-style-type: none"> International cooperation projects for development: generation of development projects and defence of human rights, the promotion of peace and democratic values. Humanitarian action projects, except emergency. Development education projects. Training, research and innovation projects. <p>Calls</p>



	<p>The call is annual. From February 15 until April 1, 2019, the deadline for submitting applications for the 2019 call was opened. On August 5, 2019, the final list of interventions excluded from the 2019 call was published for not meeting the established requirements. In August 2019, the final has not yet been published.</p>
<p> Regional Ministry of Agriculture, Livestock, Fisheries and Sustainable Development Rural Development Program 2014-2020. </p>	<p>It articulates the financing within the framework of the 2014-2020 Rural Development Program through the call for Aid to Operational Groups of the European Innovation Association (EIA) in terms of productivity and sustainability agriculture.</p> <p>Operational groups are functional and temporary groups of agents interested in innovation in a sector. In the case of the agricultural sector, these are groups of farmers and their associative forms, forest managers, rural communities, research sector, NGOs, companies and other stakeholders interested in innovation in the agricultural sector.</p> <p>These are figures focused on the development of concrete projects and the dissemination of their results, provided by the Regulations of the European Union, and which in the case of Andalusia are contemplated in the Rural Development Program (RDP) 2014-2020 and have different help lines promoted by the Ministry of Agriculture, both for the constitution of operational groups and for the development of concrete projects (operation of an already established operating group).</p> <p>Programming period 2014-2020</p> <p>Grants provided for in the National Rural Development Framework for the period 2014-2020, approved by the European Commission on February 13, 2015 and, contemplated, in turn in the Rural Development Program (RDP) of Andalusia 2014-2020, adopted officially by the European Commission on August 10, 2015. Specifically, they are framed in Measure 16 "Cooperation", Sub-measure 16.1. "Support for the creation and operation of operational groups of the EIA in</p>



terms of productivity and agri-food sustainability”, which includes the following operations:

Operation 16.1.1: Aid for the creation of operational groups of the EIA.

Operation 16.1.2: Aid for the operation of the operational groups of the EIA

Operation 16.1.3: Aid for the operation of the operational groups of the EIA in the olive grove sector.





Cross-Border, Transnational and Interregional Co-Operation (Spain)

As well as Portugal, Spain can also participate in the next cross-border, transnational and interregional co-operation programs. The details are in Annex 7.2.

1. Cross-border co-operation:

- Interreg V-A - Spain-Portugal (POCTEP)

2. Transnational co-operation:

- Atlantic Area Interreg
- Interreg V-B SUDOE
- Interreg V-B MED

2. Transnational co-operation:

- Interreg Europe
- Interreg Urbact
- Interreg Interact
- ESPON Interreg
- CBC ENI MED

