

**Alignment of the climatatlantic carbon footprint
reduction strategy with the strategic
and operational framework UE 2014-2020**



CLIMATLANTIC +



ATLANTIC AREA Transnational Programme
ESPACIO ATLÁNTICO Programa Transnacional
ESPACE ATLANTIQUE Programme Transnational
ESPAÇO ATLÂNTICO Programa Transnacional



European Union

European Regional
Development Fund

ALIGNMENT OF THE CLIMATLANTIC CARBON FOOTPRINT REDUCTION STRATEGY WITH THE STRATEGIC AND OPERATIONAL FRAMEWORK UE2014-2020

CONTENTS OF THE DOCUMENT

1. Background: the reduction of the carbon footprint in the European Atlantic Area	1
2. CLIMATLANTIC +: a step forward towards the implementation of the carbon footprint reduction strategy of the European Atlantic Area	5
2.1 CLIMATLANTIC investment priorities and projects of interest for local administrations requiring funding during the 2014-2020 period.....	6
2.2 CLIMATLANTIC STRATEGIC PROJECTS.....	9
3. Strategic and operational framework UE2020	13
3.1 Alignment of the CLIMATLANTIC strategic objectives with the UE 2020 thematic objectives	13
3.2 Alignment of CLIMATLANTIC strategic objectives with the financial instruments.....	19
3.2.1 Operational Funding Framework.....	19

1. Background: the reduction of the carbon footprint in the European Atlantic Area

In the next decades, cohesion of European regions faces four main challenges that are expected to impact the development of European economies and societies: adaptation to globalisation, demographic change, climate change and the energy challenge. The response of the different regions of the Atlantic Area to these challenges will not be homogeneous due to the wide diversity of productive structures present in the region.

The Atlantic Area is likely to be vulnerable to climate change. Apart from the direct effects of this global phenomenon, transfer of population towards coastal zones, unemployment rates and economic issues will directly affect mobility demand. Moreover, changes in agricultural production in the Atlantic Area is likely to be substantial due to the likely reduction of available land and increased risks of flooding.

From the perspective of the development priorities of an emerging macro-region such as the Atlantic Area, the policies targeted at tackling climate change are beyond the simple status of a climate change policy tool. The climate change strategy might represent an opportunity to design and implement a new development model for the Atlantic Area.

To this aim, partners from five Atlantic European member states (EIXO PT (PT), EIXO ES (ES), COMAGA (FR), CMATI (ES), DEP. OURENSE (ES), SERA (IRL), MERSEYTRAVEL (UK), QUIMPER COMMUNAUTE (FR) and EIGSI (FR)), led by Eixo Atlántico del Noroeste Peninsular elaborated and further implemented the Interreg Atlantic Area project CLIMATLANTIC: “Local and regional actions for the reduction of carbon footprint”. The overall aim of CLIMATLANTIC was to foster the development of strategies at regional and local level aimed at reducing the carbon footprint in the European Atlantic Area through a series of sectorial think-tanks which ultimately delivered a list of proposals for strategic actions and policy changes as well as outlined pilot projects to be further planned, executed and evaluated in one or more regions.

The CLIMATLANTIC project started on 2010 by setting up four thematic think-tanks on Energy, Mobility, Spatial Planning and Social Behaviour. Each of these think-tanks analysed the current situation of the subject in the Atlantic European Area, derived a series of conclusions and identified a number of actions to reduce the carbon footprint of the territory. They were coordinated by experts in the field and fed by the corresponding pillar working groups formed by experts nominated by the different organizations acting as partners in this Project. CLIMATLANTIC ends in October 2014.

The analysis of the **energy think-tank** concluded that regional and local authorities have a central role in the use and promotion of renewable energies and energy efficiency measures in their areas of influence. Renewable energy use in public buildings, transport fleets, water and waste treatment services or public lighting, enforcement of planning guidelines and regulations to facilitate the development of renewable energy production activities and the construction of low-energy or carbon-neutral buildings, maximise the efficiency of energy use in the buildings, installations and fleets under their control or to adopt a long-term strategy to increase the use of renewable energies for heat and electricity production are among the areas where action by local and regional authorities is demanded. Nevertheless, the predominance of the GHG emissions from the transport sector in the Atlantic Area stresses that the reduction of these emissions should be the main focus their policies.

The **mobility think-tank** aimed at identifying instruments that could be used by local authorities to implement actions to reduce their GHG emissions in this area. Three types of regions were considered as representative of most of the structural situations in the Atlantic Area: a) predominantly urban, dominated by a metropolitan area, b) cluster of equivalent medium sized cities grouped in a polycentric network and c) medium sized city with smaller satellites. For each case, actions and indicators of GHG reduction were defined in a number of domains: clean fuels and vehicles, integrated pricing strategies, alternative mobility usages, access restrictions, collective passengers transport, logistics, transport management and infrastructures. Measures to reduce mobility-based GHG emissions were then classified in the following group of instruments: a) Managerial instruments affecting high-level policy formation, b) Monitoring measures to predict, plan and control transport activities, c) Economic measures, d) Information provision measures and e) Technology measures, related to fuels, vehicles, etc.

Spatial planning is one of the keys to the achievement of a low-carbon society. The think-tank analysed, in particular, the following topics: a) territorial and urban planning, b) population, housing and urban density, c) public transport policies, d) land use in rural areas and e) tourism and leisure policies. The proposed strategies mainly focus on the following principles: control of the physical expansion of towns and cities, mixing of functions and social groups in urban areas, resource-saving management of the urban ecosystem, more efficient and environmentally-friendly means of transport, residential areas closer to city centres and conservation and development of the natural and cultural heritage. The growth of urban sprawl implies an increasing consumption of space, which in turn has a greater carbon footprint impact. Consequently, strategies looking at changes in the existing patterns of mobility and space consumption are needed. CLIMATLANTIC developed a multi-criteria carbon footprint indicator that uses territorial demographic data and low-density formulae to evaluate urban growth scenarios.

The implementation of successful actions to reduce the carbon footprint of the territory and to combat climate change relies on public understanding and active implication of society. To design a strategy to achieve these goals was the mission of the **social behaviour think-tank**. It concentrated on initiatives that support the objectives of a) convincing people of the reality of climate change, b) promoting the benefits of urgent action, c) understanding that their individual or local action can make a valid contribution and d) ensure that people have the information they need to act appropriately.

A fifth think-tank was established aimed at developing a strategy for the reduction of the carbon footprint of the European Atlantic Area from the diagnosis and recommendations defined in the four thematic think tanks. This strategy focussed on the reduction of the carbon footprint in the Atlantic regions in parallel with increasing competitiveness, thus contributing to economic growth and employment. The strategy, therefore stressed the role of carbon footprint reduction as a way to increase the competitive advantage of the European Atlantic regions. **The climate change approach adopted in the CLIMATLANTIC strategy should help in the birth of an Atlantic macro-region with both a maritime and a territorial vocation.** Reduction of Greenhouse Gas (GHG) emissions, dissemination of renewable energies, new patterns of mobility and accessibility targeted at reducing the carbon footprint, all require a combination of maritime and territorial (land) interventions.

The specific objectives of the CLIMATLANTIC strategy identified ways to improve policies for the reduction of the carbon footprint in various sectors within the Atlantic Area: public spaces and buildings, residential sector, transport, spatial planning, energy and social behaviour. In line with the EU 2020 strategy, the CLIMATLANTIC strategy identified a global indicator to assess the achievement of the proposed strategy objectives: the magnitude of greenhouse gas emissions in the Atlantic Area with respect to the 1990 reference value.

The seven specific objectives identified in the CLIMATLANTIC strategy were:

1. To increase the use of renewable energy and promote energy efficiency
2. To improve mobility patterns within the Atlantic Area
3. To control urban and rural sprawl
4. To enhance the role of the Atlantic Façade to reduce greenhouse gas emissions at the EU level
5. To develop education and communication campaigns in order to disseminate the carbon footprint reduction approach of the Atlantic Regions
6. To foster research and development in order to generate the scientific and technological foundations needed for carbon footprint reduction
7. To include carbon-footprint-reduction-based projects as a new priority axis in transnational, inter-regional and cross-border cooperation programmes.

2. CLIMATLANTIC +: a step forward towards the implementation of the carbon footprint reduction strategy of the European Atlantic Area

Implementation of the CLIMATLANTIC carbon footprint reduction strategy requires an analysis of the alignment between EU strategies and funding instruments and the objectives and investment priorities identified within the CLIMATLANTIC project. As a consequence, partners from different European countries gathered to follow up the results emerging from the project CLIMATLANTIC, thereby capitalizing the results obtained in this project. This is the origin of the CLIMATLANTIC + proposal, which arose as an extension of the CLIMATLANTIC project that will aim at providing the proper information and strategic analysis leading to the implementation of one or several of the priorities identified in the CLIMATLANTIC carbon footprint reduction strategy.

CLIMATLANTIC + will analyse recent EU strategic documents as well as EU funding schemes for the 2014-2020 period in order to look for potential funding opportunities for the different actions and projects previously defined in CLIMATLANTIC. Four workshops were organized, each one focussed on the analysis of the priorities and actions defined in the CLIMATLANTIC think-tanks. In this case, the “Social Behaviour” topic was substituted by the “Maritime” area.

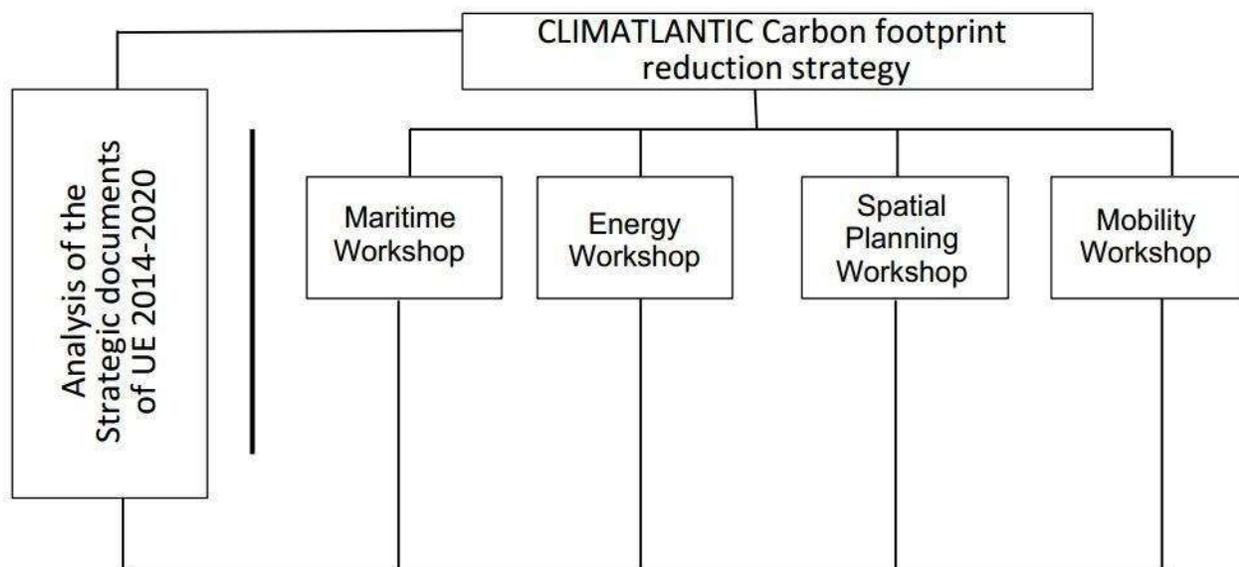


Figure 1. Structure of the CLIMATLANTIC + project

Four thematic workshops were organized: energy, maritime, mobility and the sustainability workshops. The ultimate output is a road map of the funding opportunities to implement projects aiming at fulfilling the objectives of this strategy.

2.1 CLIMATLANTIC investment priorities and projects of interest for local administrations requiring funding during the 2014-2020 period

CLIMATLANTIC+ is centred on the implementation by local or regional administrations of the investment priorities defined in the CLIMATLANTIC strategy. At a first stage, an analysis was performed in order to select those of the CLIMATLANTIC investment priorities fitting with the domain of competence of local or regional administrations. As a result of this analysis, 23 investment priorities grouped into five objectives were drawn from the CLIMATLANTIC strategy.

These priorities are the following:

Objective 1: To increase the use of renewable energy and promote energy efficiency

Investment priorities

1. to disseminate the renewable energies as a key topic to transform a peripheral territory into a core one through economic development based on wind and marine energies.
2. to explore distributed generation as an alternative for generating new energy resources, reducing energy dependency and fostering citizens' responsibility and environmental education
3. To use the public sector as a benchmark of good practices: reduction of energy consumption by 20-30% in 2020 by public authorities, in public buildings, lighting in public spaces, transport, heating and other consumptions.
4. Development of energy neutral buildings and equipment's using appropriate material and supervision systems to monitor the life of the infrastructure. Introduction of energy efficiency binding measures in building regulations. Eco-lending, with a low or zero interest rate to rehabilitate buildings subject to energy efficiency norms
5. Implementation of forestry policies to facilitate reduction of GHG emissions, for example through decrease in forest fires

Objective 2: To improve mobility patterns within the Atlantic Area

Investment priorities

6. Setting-up of strategic and planning guidelines for public transport and mobility policies inspired by carbon footprint-based land use criteria
7. Implement intelligent infrastructure (both land and space-based) to ensure maximum monitoring and inter-operability of the different forms of transport and communication between infrastructure and vehicles
8. Improve the disseminated use of information technologies within the transport domain, mainly by facilitating informational accessibility to transport services, by generalising electronic booking and payment of several travel related services, by ensuring interoperability between stakeholders and by guaranteeing optimisation of flows between them and the external world.
9. Develop the use of intelligent systems for interoperable and multimodal scheduling, information, online reservation systems and smart ticketing.
10. Develop and implement efficient decision aid tools to monitor the evolution of mobility (passengers and goods) in each AA territory, to develop perspectives related to Atlantic Area situations according to recent and specific changes and to consolidate global requirements
11. Improve connections between long distance and local/regional transport for both passengers and freight. This involves the localisation of hubs, logistics platforms, and the optimisation of their role as decoupling external and internal flow links within Spatial Planning.
12. Aim at minimising carbon footprint levels of transport infrastructures for building or renovation activities. This means that local authorities should encourage localisation in suitable areas to look for the best compromise between minimisation of global impact and maximisation of efficiency regarding transport demand
13. Consider urban transportation as an easier way for introducing friendlier carbon footprint based solutions from the point of view of regional and local intervention. At urban level, accessibility and mobility modalities should be wisely combined: better accessibility conditions, increasing the proximity of people to services and equipment's, will tend to better accommodate mobility needs.

Objective 3: To control urban and rural sprawl

14. Development and implementation of technological tools to incorporate the carbon footprint approach into the spatial planning process including dissemination to the general public.
15. Manage land use in rural areas, by countering residential dispersion and trying to enhance already existing situations of sprawl.
16. Design new guidelines and rules for tourism and leisure facilities and infrastructures to monitor and reduce their GHG emission impacts
17. Generate cooperation practices between Atlantic regions by fully respecting their planning institutional and political contexts and by implementing experimental joint planning actions.

Objective 4: To enhance the role of the Atlantic Façade to reduce GHG emissions at the EU level

18. Create logistics organisation to inland Europe in order to facilitate transit to/from the gates and the related hubs and platforms, and implement multimodal terminals at sea and river ports and city logistic consolidation centres.
19. To reinforce connectivity between harbours and the hinterland.
20. Ensure that regulations and conditions to access these gates meet the minimum quality standards and provide quality services (homogeneous in all AA gates) for all types of actors in all types of gates (stations, port and airport) irrespective of gate size and for all type of services (information on travellers, freight handling, etc.)

Objective 5: To develop education and communication campaigns to disseminate the carbon footprint reduction approach of the Atlantic Regions

21. Develop citizen's awareness campaigns, school campaigns and training programmes for stakeholders focused on carbon footprint reduction: energy consumption saving, use of public transport, eco-driving, improve alternative energy generation, etc.
22. Create living labs to experiment and demonstrate new carbon footprint reduction practices to citizens
23. Develop campaigns to raise awareness about the environmental impacts of urban sprawl, including a badge for planning applications with "Excellent" environmental evaluation, for public display on new developments. This will raise public awareness and provide an incentive for developers to take an extra step forward.

2.2 CLIMATLANTIC STRATEGIC PROJECTS

The CLIMATLANTIC project not only defined a strategy for the reduction of the carbon footprint of the European Atlantic Area but also identified a series of projects which were suggested to be of high priority in order to achieve the GHG reduction objectives defined by the EU in the 2020 horizon from the contribution of the Atlantic Area.

Project 1: Strategy for the reduction of fossil energy consumption by local authorities

Objective: To devise, evaluate and where possible demonstrate strategies for reducing energy consumption by local authorities

Activities:

- Assessment of current energy usage by local authorities
- Preliminary evaluation (from existing experience and installations) and ranking of options for energy reduction
- More comprehensive trial and evaluation of high-priority options
- Develop strategy/micro local action plans for rolling out and implementing selected measures.

Project 2: Integrated Atlantic Area mobility

Objective: To increase the use of collective transport in the Atlantic Area

Activities:

- Information systems. Development of a website. Development of standardised street information for interregional connections (from/to city gates).
- Mono ticketing strategies. Promotion/validation of the utilisation of common standards for all mobility software among local authorities and their interrelated stakeholders. Development of mono ticketing applications for interregional travels.
- Improvements of local/regional travels. Development of capillarity facilities at regional level (car sharing, TER, etc.). Development of rapid clean sea collective transport (electric or hybrid). Low carbon infrastructures and stations. Elaboration of mobility guidelines.
- Management. Design and development of an association to be in charge of ensuring quality level, monitoring the development of the common tools, and facilitating the construction of projects between members. Development of audit procedures for cities in order to help them reach or maintain the quality level.
- Evaluation and transferability analysis

Project 3: Atlantic area efficient harbour of the future

Objective: to design, develop and experiment actions to reduce the carbon footprint of ports in the future, thereby permitting coexistence of economic development activities and environmental protection.

Activities:

- Detailed state-of-the-art information on: a) actions aiming to reduce CO₂ footprint in different types of harbours and b) technologies for marine energies (sea, sun, wind) connected to ports, based on previous EU and national projects.
- Cartography of the ports, of their activities (based on existing data) and identification of port activities with impact on the carbon footprint (from transport to waste management) and of the key variables to reduce these impacts.
- Design of a holistic conceptual approach of port activities and their relationship to the carbon footprint.

- Definition of types of actions which can be undertaken in the field of: a) Reproduction/use in ports, b) waste optimisation, c) optimization of flows in and out of ports, d) general port management, e) building improvement, f) maintenance, renovation and repairing of infrastructure and boats.
- Development of a website to describe best practices, case studies, examples, etc., directed towards the main stakeholders.
- Definition and implementation of actions at demonstration sites.
- Evaluation and transferability analysis.

Project 4: Knowledge generation for sustainable spatial planning of low-density, highly-dispersed habitats

Objective: to train local/regional technicians to implement the global sustainability index for reducing carbon footprint in low-density highly dispersed habitats

Activities:

- GIS training courses in each of the countries involved in the project
- Implementation of a Living Lab for GIS spatial planning. Students (local and/or regional technicians) and the different actors (trainers, planners, academics, experts, politicians, etc.) will participate in the Living Lab to implement the global sustainability index created within the framework of the CLIMATLANTIC project. All local and/or regional entities interested in implementing the proposed indicator may participate in Living Lab.
- Monitoring the application of the index by the technicians involved in the process and encourage a continuous feedback, allow changes and improve the model and would accelerate the adoption of standards on the methodology
- Enhanced training and specialization could result in a true interaction between universities and research centres, municipalities and technicians.

Project 5: Transnational, multilingual master courses for local authorities, technicians and postgraduate students

Objective: To develop a training course to address the key strategic topics for delivery across the Atlantic area, namely; to provide training to local authority officers and technicians and offer course modules for postgraduate students

Activities:

- Local authority master course. Review of strategic papers to identify the key strategic topics for inclusion in the master course. Review and benchmarking of Atlantic Area cities to identify the key training needs of local authority officers and technicians across the key strategic topics. Produce training materials – via a series of training modules - for local authority officers and technicians. Review of benchmarking in each Atlantic Area city to identify which components of the master course should be delivered and specifically to whom. Delivery of courses to local authority officers and technicians.
- Postgraduate course modules. Identification of courses offered within the Atlantic Area with some interest in the key strategic topics. Consultation with relevant course providers to assess current course content, level of interest and potential partnership opportunities. Identify the needs for specific course modules. Production of materials for postgraduate course modules. Inclusion and delivery of modules within postgraduate courses.

3. Strategic and operational framework UE2020

3.1 Alignment of the CLIMATLANTIC strategic objectives with the EU 2020 thematic objectives

The Europe 2020 Strategy identifies the major societal challenges faced by the European Union today - globalisation, demographic change, environmental degradation, migration, climate change and energy use as well as the need to cope with the economic and social consequences of the crisis. The capacity of Member States and regions to achieve smart, sustainable and inclusive growth depends on their specific development potential and their assets in terms of human, physical and natural capital, knowledge, institutions and networks.

Resulting from this challenges, Europe 2020 Strategy defines the path to growth of the European Union (EU) for the next decade and aims at a fast changing world, making Europe into a smart, sustainable and inclusive economy. To realize this ambition three mutually reinforcing priorities were fixed:

- **Smart growth:** developing an economy based on knowledge and innovation;
- **Sustainable growth:** promoting a more resource use, greener and more competitive and efficient economy;
- **Inclusive growth:** fostering an economy with high employment delivering social and territorial cohesion.

These priorities should help the EU and the Member States to achieve high levels of employment, productivity and social cohesion and are translated into objectives on employment, innovation, education, social inclusion and climate / energy to be achieved by 2020. Derived from these priorities, the Common Strategic Framework (CSF) EU 2014-2020 establishes a hierarchy of eleven thematic objectives. These thematic objectives were translated into Investment Priorities, that compose the different and complementary CSF Funds (ERDF, ESF, CF), and Union Priorities (EAFRD and EMFF).

From the resulting cross-analysis of the objectives of CLIMATLANTIC Strategy with the defined European thematic objectives, six of the latter arise as the ones where the AA carbon reduction strategy perfectly aligns with, namely:

- **Thematic Objective 2 - Enhancing access to and, use and quality of information and communication technologies**, promoting the roll-out and take-up of high-speed internet as an essential means for accessing to knowledge and civic participating. Europe countries should be able to deliver smart, sustainable and inclusive economic growth through the realisation of the digital single market and exploitation of the potential for innovation with fast and ultra-fast internet and interoperable services and applications.
- **Thematic Objective 4 - Supporting the shift towards a low-carbon in all sectors** through energy efficiency, smart energy management and renewable energy use both in public buildings and infrastructures, and in the housing sector. Special support should be addressed at developing low-carbon strategies in urban areas, including the promotion of sustainable multi-modal urban mobility.
- **Thematic Objective 6 - Protecting the environment and promoting resource efficiency** through conserving, protecting, promoting and developing natural and cultural heritage, protecting and restoring biodiversity, soil protection and restoration and promoting ecosystem services including NATURA 2000 and green infrastructures.
- **Thematic Objective 7 - Promoting sustainable transport and removing bottlenecks in key network infrastructures** through developing and improving environment-friendly and low-carbon transport systems including inland waterways and maritime transport, ports, multimodal links and airport infrastructure, in order to promote sustainable regional and local mobility.
- **Thematic Objective 10 - Investing in education, skills and lifelong learning** by supporting equal access to quality education at all educational levels, as well as their modernisation processes. Actions to be developed should cover all sectors, taking into account also learning in informal and non-formal contexts and the reforms should aim to ensure the acquisition of the key competencies, notably in terms of employability and improve the match between skills supply and labour market demand as well as supporting the transition to a low-carbon and resource-efficient economy.
- **Thematic Objective 11 - Enhancing institutional capacity and an efficient public administration** by strengthening institutional and administrative capacity at all levels and in all fields. The priority should be on reducing the administrative burden on citizens and business and increasing the transparency, integrity and quality of public administration as well as its

efficiency in delivering public services in all sectors.

Table I indicates the main relationships between investment priorities of the CLIMATLANTIC and the mentioned thematic objectives from EU2020. Despite the investment priorities defined in CLIMATLANTIC cover a wide range of the thematic objectives, two of them highlight as the most important for the AA strategy, namely the **shift towards a low-carbon economy** and the **sustainable transport promotion**. The four pillars defined action areas that try to tackle the carbon footprint problem by acting directly or indirectly in the recognized main drivers - energy and mobility -.

Investment Priorities in the energy sector seek to develop actions in the different energy cycle phases (generation, distribution and consumption) by promoting more renewable energy production in the AA, taking advantage of its natural advantages (i.e. solar, wind and marine energy) as well as the distributed generation by new energy resources in order to reduce energy dependency and increase citizens' and environmental education. Public sector plays a crucial part in this strategy, by acting as a benchmark of good practices. The goal is set in the reduction of energy consumption by 20-30% in 2020 by public authorities, in public buildings, lighting in public spaces, transport, heating and other consumptions. Energy efficiency is also a priority in the AA strategy by promoting fiscal incentives and/or binding measures in building regulations in order to develop energy neutral buildings and equipments.

In terms of sustainable transport, the proposed actions focus on the development of intelligent infrastructures and better information technologies to enable (international) interoperability between different modes and operators. Passengers and goods monitoring should also be enhanced in order to develop more efficient decision aid tools for projecting future demand perspectives. Integration between long and short distance freight and passengers transport should also be promoted by fostering new urban hubs and logistic platforms, fully integrated with the different local and regional spatial planning strategies.

Spatial Planning plays a particular part in the AA sustainable mobility and transport strategy: promoting better accessibility conditions to public services, equipment's and commodities by urban renovation and densification with mixed use development (countering urban sprawl) together with smart localisation of traffic demand generators based on public transport reliance can play an important role at minimising the mobility carbon footprint.

INVESTMENT PRIORITIES CLIMATLANTIC	THEMATIC OBJECTIVE UE 2020					
	2. Enhancing access to, and use and quality of, information and communication technologies	. Supporting the shift towards a low-carbon economy in all sectors	6. Protecting the environment and promoting resource efficiency	7. Promoting sustainable transport and removing bottlenecks in key network infrastructures	10. Investing in education, skills and lifelong learning	11. Enhancing institutional capacity and an efficient public administration
1. To disseminate the renewable energies as a key topic to transform a peripheral territory into a core one through economic development based on wind and marine energies		X				
2. To explore distributed generation as an alternative for generating new energy resources, reducing energy dependency and fostering citizens' responsibility and environmental education		X				
3. To use the public sector as a benchmark of good practices: reduction of energy consumption by 20-30% in 2020 by public authorities, in public buildings, lighting in public spaces, transport, heating and other consumptions.		X				
4. Development of energy neutral buildings and equipments using appropriate material and supervision systems to monitor the life of the infrastructure. Introduction of energy efficiency binding measures in building regulations. Eco-lending, with a low or zero interest rate to rehabilitate buildings subject to energy efficiency norms.		X				
5. Implementation of forestry policies to facilitate reduction of GHG emissions through decrease in forest fires		X				
6. Setting-up of strategic and planning guidelines for public transport and mobility policies inspired by carbon footprint-based land use criteria				X		
7. Implement intelligent infrastructure (both land and space-based) to ensure maximum monitoring and inter-operability of the different forms of transport and communication between infrastructure and vehicles				X		
8. Improve the disseminated use of information technologies within the transport domain, mainly by facilitating informational accessibility to transport services, by generalising electronic booking and payment of several travel related services, by ensuring interoperability between stakeholders and by guaranteeing optimisation of flows between them and the external world.	X					
9. Develop the use of intelligent systems for interoperable and multimodal scheduling, information, online reservation systems and smart ticketing.	X					

INVESTMENT PRIORITIES CLIMATLANTIC	THEMATIC OBJECTIVE UE 2020					
	2. Enhancing access to, and use and quality of, information and communication technologies	Supporting the shift towards a low-carbon economy in all sectors	6. Protecting the environment and promoting resource efficiency	7. Promoting sustainable transport and removing bottlenecks in key network infrastructures	10. Investing in education, skills and lifelong learning	11. Enhancing institutional capacity and an efficient public administration
17. Generate cooperation practices between Atlantic regions by fully respecting their planning institutional and political contexts and by implementing experimental joint planning actions.		X	X			X
18. Create logistics organization to inland Europe in order to facilitate transit to/from the gates and the related hubs and platforms, and implement multimodal terminals at sea and river ports and city logistic consolidation centers.				X		
19. To reinforce connectivity between harbours and the hinterland.				X		
20. Ensure that regulations and conditions to access these gates meet the minimum quality standards and provide quality services (homogeneous in all AA gates) for all types of actors in all types of gates (stations, port, airport) irrespective of gate size and for all type of services (information on travellers, freight handling, etc.).	X			X		
21. Develop citizens awareness campaigns, school campaigns and training programs for stakeholders focused on carbon footprint reduction: energy consumption saving, use of public transport, eco-driving, improve alternative energy generation, etc.		X	X	X		X
22. Create living labs to experiment and demonstrate new carbon footprint reduction practices to citizens.		X				X
23. Develop campaigns to raise awareness about the environmental impacts of urban sprawl, including a badge for planning applications with "Excellent" environmental evaluation, for public display on new developments. This will raise public awareness and provide an incentive for developers to take an extra step forward.					X	

3.2 Alignment of CLIMATLANTIC strategic objectives with the financial instruments

3.2.1 Operational Funding Framework

Funding of projects enrolled in the investment priorities set for CLIMATLANTIC+ should be ensured by the programming tools of the Europe 2020 Strategy. The following table presents schematically the set of EU programs and initiatives and its corresponding structural funds under shared management that support this strategy and its priorities for action.





Cross-analysis of the scope and specific objectives of these instruments with the investment priorities set for CLIMATLANTIC + allowed the identification of programs that could fund the different projects and an initial evaluation of its operational framework in these programs. The exercise focused on programming tools available for the regions of Galicia and Northern Portugal but includes also national and European programs of wider scope that could finance, in these territories, local and regional actions aimed at reducing the carbon footprint.

3.2.2. European Community Programmes and Initiatives

The Europe 2020 Strategy has at its disposal a number of EU programs and initiatives (managed directly by the European instances) where projects and actions aligned with the investment priorities set for CLIMATLANTIC + may be framed. Given the scope and nature of the objectives envisaged for each of these programs as well as the specifics of the projects and actions proposed here we present the programs that best fit these projects and actions.

HORIZON 2020 - THE EU FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

Horizon 2020 is the financial instrument implementing the Innovation Union, a Europe 2020 flagship initiative aimed at securing Europe's global competitiveness. By coupling research and innovation, Horizon 2020 is helping to achieve this with its emphasis on excellent science, industrial leadership and tackling societal challenges. The goal is to ensure Europe produces world-class science, removes barriers to innovation and makes it easier for the public and private sectors to work together in delivering innovation.

General objective

Contribute to building a society and an economy based on knowledge and innovation across the Union by leveraging additional research, development and innovation funding and by contributing to attaining research and development targets, including the target of 3 % of GDP for research and development across the Union by 2020. It shall thereby support the implementation of the Europe 2020 strategy and other Union policies, as well as the achievement and functioning of the European Research Area (ERA).

PRIORITY I 'Excellent science'

This Part aims to reinforce and extend the excellence of the Union's science base and to consolidate the ERA in order to make the Union's research and innovation system more competitive on a global scale.

Specific objectives:

1. *"The European Research Council (ERC)"* - The specific objective is to reinforce the excellence, dynamism and creativity of European research

Broad lines of the activities:

- a. Provide attractive long-term funding to support excellent investigators and their research teams to pursue ground-breaking, high-gain/high-risk research.

2. *"Future and emerging technologies (FET)"* - The specific objective is to foster radically new technologies with the potential to open new fields for scientific knowledge and technologies and contribute to the European next generation industries, by exploring novel and high-risk ideas building on scientific foundations. By providing flexible support to goal-oriented and interdisciplinary collaborative research on various scales and by adopting innovative research practices, the aim is to identify and seize opportunities of long-term benefit for citizens, the economy and society. FET will bring Union added value to the frontiers of modern research.

Broad lines of the activities:

- a. By fostering novel ideas ('FET Open'), FET shall support early stage science and technology research exploring new foundations for radically new future technologies by challenging current paradigms and venturing into unknown areas. A bottom-up selection process widely open to any research ideas shall build up a diverse portfolio of targeted projects. Early detection of promising new areas, developments and trends, along with attracting new and high-potential research and innovation players, will be key factors.
- b. By nurturing emerging themes and communities ('FET Proactive'), FET shall, in close association with the societal challenges and industrial leadership themes, address a number of promising exploratory research themes with the potential to generate a critical mass of inter-related projects that, together, make up a broad and multi-faceted exploration of the themes and build a European pool of knowledge.

- c. By pursuing grand interdisciplinary scientific and technological challenges ('FET Flagships'), FET shall, taking into full account the outcome of FET preparatory projects, support ambitious large-scale, science and technology-driven research aiming to achieve a scientific and technological breakthrough in areas identified as relevant in an open and transparent manner involving the Member States and relevant stakeholders. Such activities could benefit from the coordination between European, national and regional agendas. The scientific advance should provide a strong and broad basis for future technological innovation and economic application, plus novel benefits for society. These activities shall be realized using the existing funding instruments.

PRIORITY III 'Societal challenges'

This Part responds directly to the policy priorities and societal challenges that are identified in the Europe 2020 strategy and that aim to stimulate the critical mass of research and innovation efforts needed to achieve the Union's policy goals.

3. *Secure, clean and efficient energy* - The specific objective is to make the transition to a reliable, affordable, publicly accepted, sustainable and competitive energy system, aiming at reducing fossil fuel dependency in the face of increasingly scarce resources, increasing energy needs and climate change;

Broad lines of the activities:

- a. Reducing energy consumption and carbon footprint by smart and sustainable use;
- b. Low-cost, low-carbon electricity supply;
- c. Alternative fuels and mobile energy sources;
- d. A single, smart European electricity grid;
- e. New knowledge and Technologies;
- f. Robust decision making and public engagement;
- g. Market uptake of energy innovation - building on Intelligent Energy Europe.

4. *Smart, green and integrated transport* - The specific objective is to achieve a European transport system that is resource-efficient, climate- and environmentally-friendly, safe and seamless for the benefit of all citizens, the economy and society;

Broad lines of the activities:

- a. Resource-efficient transport that respects the environment;
- b. Better mobility, less congestion, more safety and security;
- c. Global leadership for the European transport industry;
- d. Socio-economic and behavioural research and forward-looking activities for policy making.

5. *Climate action, environment, resource efficiency and raw materials* - The specific objective is to achieve a resource- and water-efficient and climate change resilient economy and society, the protection and sustainable management of natural resources and ecosystems, and a sustainable supply and use of raw materials, in order to meet the needs of a growing global population within the sustainable limits of the planet's natural resources and ecosystems;

Broad lines of the activities:

- a. Fighting and adapting to climate change;
- b. Protecting the environment, sustainably managing natural resources, water, biodiversity and ecosystems;
- c. Enabling the transition towards a green economy and society through eco-innovation;
- d. Developing comprehensive and sustained global environmental observation and information systems;
- e. Cultural heritage.

6. *Europe in a changing world* - Inclusive, innovative and reflective societies - The specific objective is to foster a greater understanding of Europe, provide solutions and support inclusive, innovative and reflective European societies in a context of unprecedented transformations and growing global interdependencies;

CONNECTING EUROPE FACILITY (CEF)

The Connecting Europe Facility is the program to support the development of Trans-European high performance, sustainable and efficient networks, in particular, projects with high added value such as the construction of cross-border connections. Investments co-financed by this program are defined as promoters of new investment by Member States as regards the improvement and completion of connections and cross-connections.

Transport funding priorities for the multiannual and annual work programmes

1. Funding priorities for the multiannual work programmes

1.1. Funding priorities for the objective of bridging missing links, removing bottlenecks, enhancing rail interoperability, and, in particular, improving cross-border sections:

- i) Pre-identified projects on the Corridors of the Core Network¹ (railways, inland waterways, roads, maritime and inland ports).
- ii) Pre-identified projects on the other sections of the Core Network (railways, inland waterways, roads, maritime and inland ports).
- iii) Rail interoperability.
- iv) Deployment of ERTMS – European Rail Traffic Management System

1.2. Funding priorities for the objective of ensuring sustainable and efficient transport systems in the long run, with a view to preparing for expected future transport flows, as well as enabling all modes of transport to be decarbonised through transition to innovative low-carbon and energy-efficient transport technologies, while optimising safety:

- i) Deployment of new technologies and innovation in all transport modes, with a focus on decarbonisation, safety and innovative technologies for the promotion of sustainability, operation, management, accessibility, multi- modality and efficiency of the network.
- ii) Safe and Secure infrastructure, including safe and secure parkings on the road Core Network.

¹ To know more about the Core Network, please visit: ec.europa.eu/transport/themes/infrastructure/index_en.htm

1.3. Funding priorities for the objective of optimising the integration and interconnection of transport modes and enhancing the interoperability of transport services, while ensuring the accessibility of transport infrastructures:

- i) Single European Sky – SESAR.
- ii) River Information Services.
- iii) Intelligent Transport Services for road.
- iv) Vessel Traffic Monitoring and Information Systems.
- v) Motorways of the Sea.
- vi) Actions implementing transport infrastructure in nodes of the Core Network, including urban nodes.
- vii) Connections to and development of multimodal logistics platforms.

1.4. Programme support actions

2. Funding priorities for the annual work programmes

2.1. Funding priorities for the objective of removing bottlenecks, enhancing rail interoperability, bridging missing links and, in particular, improving cross-border sections:

- i) Railways, inland waterways and roads projects on the Core Network including connections to inland and maritime ports and airports, as well as development of ports.
- ii) Projects on the Comprehensive Network² (railways, inland waterways, roads, maritime and inland ports).
- iii) Projects to connect the trans-European transport network with infrastructure networks of the neighbouring countries, in particular related to cross-border sections (railways, inland waterways, roads, maritime and inland ports).

² To know about the Comprehensive Network, please visit: ec.europa.eu/transport/themes/infrastructure/index_en.htm

2.2. Funding priorities for the objective of ensuring sustainable and efficient transport systems in the long run, with a view to preparing for expected future transport flows, as well as enabling all modes of transport to be decarbonised through transition to innovative low-carbon and energy-efficient transport technologies, while optimising safety:

- i) Deployment of new technologies and innovation, other than those covered by the multiannual Work Programme.
- ii) Freight Transport Services.
- iii) Actions to reduce rail freight noise, including by retrofitting of existing rolling stock.

2.3. Funding priorities for the objective of optimising the integration and interconnection of transport modes and enhancing the interoperability of transport services, while ensuring the accessibility of transport infrastructures:

- i) Telematic applications systems other than those covered by the multiannual Work Programme.
- ii) Actions for better accessibility to transport infrastructure for disabled persons.
- iii) Actions implementing transport infrastructure in nodes of the Core Network, including urban nodes.
- iv) Connections to and development of multimodal logistics platforms.

2.4. CEF Financial instruments:

- i) Contribution to the financial instruments, as defined in article 14 and Part III of the CEF annex.
- ii) Programme support actions for innovative financial instruments.'

LIFE +

LIFE is the financial instrument supporting environmental, nature conservation and climate action projects throughout the EU. The general objective of LIFE is to contribute to the implementation, updating and development of EU environmental and climate policy and legislation by co-financing projects with European added value.

Sub-programme	Priority areas	Specific Objectives	Thematic priorities
ENVIRONMENT	<p>a) Environment and Resource Efficiency</p>	<p>a) to develop, test and demonstrate policy or management approaches, best practices and solutions, including development and demonstration of innovative technologies, to environmental challenges, suitable for being replicated, transferred or mainstreamed, including with respect to the link between the environment and health, and in support of resource efficiency-related policy and legislation, including the Roadmap to a Resource Efficient Europe;</p> <p>b) to support the application, development, testing and demonstration of integrated approaches for the implementation of plans and programmes pursuant to Union environmental policy and legislation, primarily in the areas of water, waste and air;</p> <p>c) to improve the knowledge base for the development, implementation, assessment, monitoring and evaluation of Union environmental policy and legislation, and for the assessment and monitoring of the factors, pressures and responses that impact on the environment within and outside the Union.</p>	<p>c) Thematic priorities for Resource Efficiency, including soil and forests, and green and circular economy: activities for the implementation of the Roadmap for a Resource-Efficient Europe and of the 7th Environment Action Programme that are not covered by other thematic priorities referred to in this Annex, in particular:</p> <ul style="list-style-type: none"> i. activities for industrial symbiosis and knowledge transfer, and development of new models for the shift towards a circular and green economy; ii. activities for the Soil Thematic Strategy (Commission Communication of 22 September 2006 entitled "Thematic Strategy for Soil Protection") with special emphasis on mitigation and compensation of soil sealing, and improved land use; iii. activities for forest monitoring and information systems, and to prevent forest fires. <p>e) Thematic priorities for Air quality and emissions, including urban environment: support activities for the implementation of the specific objectives for air and emissions in the Roadmap for a Resource-Efficient Europe and the 7th Environment Action Programme, in particular:</p> <ul style="list-style-type: none"> i. Integrated approaches to the implementation of Air quality legislation; ii. support activities to facilitate compliance with Union air quality and related air emissions standards including Directive 2001/81/EC of the European Parliament and the Council (3) (National Emissions Ceilings Directive); iii. support activities for the enhanced implementation of Directive 2010/75/EU of the European Parliament and of the Council (4) (Industrial Emissions Directive) with a special emphasis on improving the process of defining and implementing best available techniques, ensuring easy public access to information and enhancing the contribution of the Industrial Emissions Directive to innovation.
	<p>c) Environmental governance and information</p>	<p>a) to promote awareness raising on environmental matters, including generating public and stakeholder support of Union policy-making in the field of the environment, and to promote knowledge on sustainable development and new patterns for sustainable consumption;</p> <p>b) to support communication, management, and dissemination of information in the field of the environment, and to facilitate knowledge sharing on successful environmental solutions and practice, including by developing cooperation platforms among stakeholders and training;</p> <p>c) to promote and contribute to more effective compliance with and enforcement of Union environmental legislation, in particular by promoting the development and dissemination of best practices and policy approaches;</p> <p>d) to promote better environmental governance by broadening stakeholder involvement, including NGOs, in consultation on and implementation of policy.</p>	<p>a) information, communication and awareness raising campaigns in line with the priorities of the 7th Environment Action Programme;</p> <p>b) activities in support of effective control process as well as measures to promote compliance in relation to Union environmental legislation, and in support of information systems and information tools on the implementation of Union environmental legislation.</p>

Sub-programme	Priority areas	Specific Objectives	Thematic priorities
CLIMATE ACTION	a) Climate Change Mitigation	<p>a) to contribute to the implementation and development of Union policy and legislation on climate change mitigation, including mainstreaming across policy areas, in particular by developing, testing and demonstrating policy or management approaches, best practices and solutions for climate change mitigation;</p> <p>b) to improve the knowledge base for the development, assessment, monitoring, evaluation and implementation of effective climate change mitigation actions and measures and to enhance the capacity to apply that knowledge in practice;</p> <p>c) to facilitate the development and implementation of integrated approaches, such as for climate change mitigation strategies and action plans, at local, regional or national level;</p> <p>d) to contribute to the development and demonstration of innovative climate change mitigation technologies, systems, methods and instruments that are suitable for being replicated, transferred or mainstreamed.</p>	
	b) Climate Change Adaptation	<p>a) to contribute to the development and implementation of Union policy on climate change adaptation, including mainstreaming across policy areas, in particular by developing, testing and demonstrating policy or management approaches, best practices and solutions for climate change adaptation, including, where appropriate, ecosystem-based approaches;</p> <p>b) to improve the knowledge base for the development, assessment, monitoring, evaluation and implementation of effective climate change adaptation actions and measures, prioritising, where appropriate, those applying an ecosystem-based approach, and to enhance the capacity to apply that knowledge in practice;</p> <p>c) to facilitate the development and implementation of integrated approaches, such as for climate change adaptation strategies and action plans, at local, regional or national level, prioritising, where appropriate, ecosystem-based approaches;</p> <p>d) to contribute to the development and demonstration of innovative climate change adaptation technologies, systems, methods and instruments that are suitable for being replicated, transferred or mainstreamed.</p>	
	c) Climate Governance and Information	<p>a) to promote awareness raising on climate matters, including generating public and stakeholder support of Union policy-making in the field of the climate, and to promote knowledge on sustainable development;</p> <p>b) to support communication, management, and dissemination of information in the field of the climate and to facilitate knowledge sharing on successful climate solutions and practice, including by developing cooperation platforms among stakeholders and training;</p> <p>c) to promote and contribute to more effective compliance with and enforcement of Union climate legislation, in particular by promoting the development and dissemination of best practices and policy approaches;</p> <p>d) to promote better climate governance by broadening stakeholder involvement, including NGOs, in consultation on and implementation of policy</p>	

3.2.3 Transnational and trans-regional Territorial Cooperation Programs

The Community 2014-2020 programming cycle has several trans-regional territorial cooperation programs involving regions or European cities, where projects and actions aligned with the investment priorities set of CLIMATLANTIC + can be framed. Following the cross-analysis, we identified here the programs that best fit those priorities.

INTERREG Europe

Europe INTERREG program is a trans-regional cooperation bet on European cohesion understood as the creation of identical living and development conditions for European regions. The priority intervention areas are: promoting research, technological development and innovation ; improving access, quality and use of ICT; strengthening the competitiveness of SMEs and the protection of the environment; and promoting efficient use of resources.

Thematic objective	Investment priority	Specific Objectives	Key actions
<p>Prioritary Axe 3/Thematic Objective 4 - Supporting the shift towards a low-carbon economy in all sectors</p>	<p>4e - Promoting low-carbon strategies for all types of territories, in particular for urban areas, including the promotion of sustainable multi-modal urban mobility and mitigation relevant adaptation measures;</p>	<p>Improve the implementation of regional development policies and programmes, in particular programmes for Investment for Growth and Jobs and, where relevant, ETC programmes, addressing the transition to a low-carbon economy.</p>	<p>1. Interregional Cooperation Projects (from here on 'projects'). The objective of the projects is to improve the implementation of the policies of participating regions by supporting exchange of experiences and sharing of practices between actors of regional relevance with the specific aim to prepare the integration of the lessons learnt into regional policies and actions. Examples of possible Projects:</p> <ul style="list-style-type: none"> • Exchange of experience and good practices of regional and local authorities resulting in Action Plans to plan for setting up regional structures to promote and facilitate local sustainable energy generation and distribution systems in rural areas. • Regional and city authorities sharing experiences on sustainable mobility measures, resulting in Action Plans that prepare actions and investments to increase the use low-carbon transport options to be funded from Growth & Jobs programmes or other regional programmes. • Cooperation among regions and regional energy agencies on practices to encourage and support businesses to invest in energy-efficiency measures, resulting in the preparation of regional support programmes for energy efficiency in companies. <p>2. Policy Learning Platform ('Platform') on the transition to a low-carbon economy. This platform will provide policy intelligence in support of ongoing EU-wide regional policy learning in the field of the low-carbon economy, mainly with regard to the implementation of the Growth and Jobs and where relevant, ETC goals. Examples of possible actions of the Platform:</p> <ul style="list-style-type: none"> • Creation of a web-based database of successful pilots and demonstrations of sustainable energy applications delivered with the support of Growth & Jobs and ETC programmes. • Seminar for regional authorities and energy agencies to present regional practices in supporting the development of energy cooperatives for decentralised renewable energy generation. • Peer reviews among regional energy agencies of regional tools and strategies for investment in renewable energy sources.

URBACT III

URBACT III is a European Territorial Cooperation programme jointly financed by the European Union and Member States and will be delivered across the 2014-2020 programming period. This programme funds exchange and learning actions to promote 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. 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. URBACT III Programme will be organized around four main objectives:

1. Capacity for Policy Delivery - To improve the capacity of cities to manage sustainable urban policies and practices in an integrated and participative way.
2. Policy Design - To improve the design of sustainable strategies and action plans in cities.
3. Policy Implementation - To improve the implementation of integrated and sustainable urban strategies and action plans in cities
4. Building and Sharing Knowledge - To ensure that practitioners and decision makers at all levels have increased access to knowledge and share know how on all aspects of sustainable urban development in order to improve urban development policies.

To reach these objectives, URBACT III will develop three types of interventions - **transnational exchange, capacity-building and capitalisation & dissemination**. Each of these interventions will build upon the strengths developed in the previous URBACT II.

The most important urban issues vary considerably depending on the cities (measures for physical improvement, for transportation infrastructure, for urban renewal, for the reuse of derelict land, for the improvement of the housing stock, etc., are major issues in EU 13, while some of them are less problematic in cities of the EU15).

Meanwhile the necessity to answer to the various needs of cities with a wide coverage of thematic objectives and investment priorities must be balanced with the necessity to concentrate programme resources to achieve Europe 2020 goals on the most relevant thematic objectives for the cities in Europe.

Therefore URBACT III is programmed under “enhancing institutional capacity and efficient public administration” (Thematic Objective 11) but with a focus on issues related with the five following thematic objectives:

- **Thematic Objective 1:** Strengthening research, technological development and innovation;
- **Thematic Objective 4:** Supporting the shift towards a low-carbon economy in all sectors;
- **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.

Thematic objective	Investment priority	Specific Objectives	Key actions
Thematic Objective 11: Enhancing institutional capacity and efficient public administration	1. Disseminating good practice and expertise and capitalising on the results of the exchange of experience in relation to sustainable urban development, including urban-rural linkages'	<u>Specific Objective 1:</u> To improve the capacity of cities to manage sustainable urban policies and practices in an integrated and participative way	<p>National capacity-building seminars – this tool provides tools and methods to enhance capacities of local support group members of partner cities at national level, in national languages. Member States are strongly involved in these sessions, which fosters dialogue between national and local players on urban policies and allow project partners to better understand the national context in which they are operating.</p> <p>URBACT Universities is to be enhanced and continued into URBACT III. It consists of a large transnational capacity-building event centred on the URBACT method and aiming to provide URBACT partners and their local stakeholders with tools and methods to develop integrated and participatory action-planning. Project partners from all URBACT networks come together to “learn by doing”, share good practices and test different tools they can apply in the work of their local support groups at city level. Other ad hoc capacity-building actions based on an established need can also be developed for specific stakeholder groups involved in the design and implementation of sustainable urban policies (e.g. elected representatives, managing authorities of Operational Programmes, national authorities, etc.).</p> <p>Capacity-building actions under objective 1 shall focus mainly on the use of tools, instruments and methods supporting integrated and participatory approaches to sustainable urban development. They shall cover the design, funding, implementation and monitoring of integrated strategies and action plans, as well as the use of the Reference Framework for Sustainable Cities (RFSC) ³</p>
		<u>Specific Objective 2:</u> To improve the design of sustainable urban strategies and action plans in cities	<p>“Action-planning networks” in which cities and their local counterparts will receive support, from experts and peers, to develop integrated strategies/ action plans for sustainable urban development.</p> <ul style="list-style-type: none"> • Transnational exchange seminars, including study visits, peer-reviews, etc. • Production of baseline studies reviewing state of play in partner cities • Production of integrated urban strategies/ action plans for sustainable urban development • Involvement of local stakeholders in participatory policy-making at partner level • Communication on network activities and results • Use of action-planning tools • Expertise to support partner cities in developing participatory and integrated approach to urban development • Involvement of rural actors to strengthen urban-rural partnerships
		<u>Specific Objective 3:</u> To improve the implementation of	<p>“Implementation networks” dedicated to cities implementing integrated urban strategies/ action plans with secured funds</p> <ul style="list-style-type: none"> • Transnational exchange seminars, including study visits, staff exchange, peer-reviews, etc.

³ The Reference Framework for European Sustainable Cities (RFSC) is an online toolkit designed to help cities promote and enhance their work on integrated sustainable urban development. It is available free of charge to all European local authorities and offers practical support in integrating sustainability principles into local policies and actions.

Thematic objective	Investment priority	Specific Objectives	Key actions
		sustainable urban strategies and action plans in cities	<ul style="list-style-type: none"> • Use of monitoring tools • Setting up and running local partnerships involving stakeholders to ensure a participatory and integrated approach in the implementation • Communication on network activities and results • Expertise to support partner cities in implementing integrated urban strategies/ actions. <p>“Transfer networks” which support the re-use of a good practice already implemented in a city (and the subsequent enhancement of the good practice building on lessons learnt through the re-use).</p> <ul style="list-style-type: none"> • Production of baseline with the description of the practice to be transferred and the context of transfer for all cities • Transnational exchange seminars, including study visits, peer-reviews, etc. • Setting up and running local partnerships involving stakeholders to ensure a participatory and integrated approach • Communication on network activities and results • Expertise to support partner cities, to monitor and assess the transfer of the good practice in each city.
		<p>Specific Objective 4: To ensure that practitioners and decision-makers at all levels (EU, national, regional and local) have increased access to URBACT thematic knowledge and share know-how on all aspects of sustainable urban development in order to improve urban policies</p>	<p>Beneficiaries: cities not involved in URBACT networks, as well as the different levels of government involved in urban development (regional, national, European).</p> <p>The actions that can be supported under capitalisation and dissemination are the following:</p> <ul style="list-style-type: none"> • Expertise to build and manage knowledge on sustainable urban development (clustering activity, studies, etc.) • Website operating as a knowledge platform providing easy access to knowledge and know-how around thematic priorities, social media activities • Thematic publications such as newsletters, policy briefs, case studies, etc. • Conferences, thematic events, seminars, workshops for city practitioners. • URBACT National Points in charge of communicating on URBACT activities and disseminating URBACT results at national level in local language and operating as national platforms for dialogue, exchange and learning on sustainable urban development, involving the different levels of governance concerned (national, regional, local). This tool in URBACT III should be an enhanced version of the National Dissemination Points operating in URBACT II providing a wider range of services at national level, including translation and dissemination of results, organization of national seminars, etc. • Cooperation with other organizations (programmes, networks, etc.) operating in the area of sustainable urban development as well as on urban-rural linkages. • Managing and fostering the use of the Reference Framework for Sustainable Cities

ESPON 2020

ESPON 2020 shall continue the consolidation of a European Territorial Observatory Network and grow the provision and policy use of pan-European, comparable, systematic and reliable territorial evidence.

Building on this overall mission statement, the draft Cooperation Programme sets out five specific objectives for activities during 2014-2020 in order to: (1) produce territorial evidence through applied research and analyses; (2) upgrade knowledge transfer and support to users in targeted analyses and policy briefs/working papers; (3) improve territorial observation of Europe and tools for analyses; (4) widen outreach and uptake of territorial analyses; and (5) deliver a more streamlined administrative structure to promptly inform policy processes.

Thematic objective	Investment priority	Specific Objectives	Key actions
<p>Thematic Objective 11: Enhancing institutional capacity and an efficient public administration by strengthening of institutional capacity and the efficiency of public administrations and public services related to implementation of the ERDF, and in support of actions in institutional capacity and in the efficiency of public administration supported by the ESF</p>	<p>1. Strengthening the evidence base in order to reinforce the effectiveness of cohesion policy and the achievement of the thematic objectives through analysis of development trends</p>	<p><u>Specific Objective 1:</u> Continued Production of Territorial Evidence Through Applied Research and Analyses</p>	<p>The type of activities which may be carried out in support of this action can include:</p> <ul style="list-style-type: none"> • European wide, comparable information and evidence on territorial potentials and challenges focusing on opportunities for success for the development of regions and cities defined by the demand of policymakers. • Cross-thematic applied research integrating existing thematic analysis and adding future analysis of new themes in areas including, for example, climate change and energy; demographic and migratory flows; economic crisis and resilience; spatial indicators for a Europe 2020 Strategy; territorial analysis; impact of globalization for Europe and its Regions, green economy, territorial scenarios and visions for Europe, EU enlargement, etc. • Territorial impact studies of EU policies will be another focus under this priority.
		<p><u>Specific Objective 2:</u> Upgraded knowledge transfer and analytical user support</p>	<ul style="list-style-type: none"> • Targeted analysis for and defined by stakeholders at national, regional and local level aimed at enhancing their understanding of the larger EU territorial context and providing a European perspective to considerations on the development of their territories. • Territorial evidence briefs and packs to ETC Programmes, ESI funding Programmes and EU macro-regions. • Short territorial policy briefs/working papers, fast and timely, benefiting from the increased in-house capacity of the Single Beneficiary, to European policy processes, normally of around 10 pages of text, providing insight and information on territorial dynamics, impacts, prospects, etc. affecting territories, regions and cities
		<p><u>Specific Objective 3:</u> Improved territorial observation and tools for analyses</p>	<ul style="list-style-type: none"> • ESPON Database development with focus on data update and user-friendliness. • European Monitoring System with custom-made macro-regional sub-systems meeting stakeholder demand. • Territorial Monitoring Reports covering Europe related to policy orientations of Cohesion Policy, the Territorial Agenda 2020 and other relevant policy issues, as well as Territorial Monitoring Reviews on interesting findings for policy development. • A reviewed ESPON toolbox and fine-tuning of analytical tools for territorial analyses
		<p><u>Specific Objective 4:</u> Wider outreach and uptake of territorial evidence</p>	<ul style="list-style-type: none"> • Events at European level, as seminars, conferences or workshops. • Events at transnational and national level carried through in cooperation with the ECP network. • Active participation in debates with policymakers and practitioners at transnational regional and local level. • Publication of thematic and synthetic reports and material related to findings as well as short publications such as “territorial tendencies” giving policy up-to-date information based on big data or similar. • Translated material to be used in outreach activities targeting regional and local policymakers and practitioners.

Atlantic Area Program

The Atlantic Area program is a transnational cooperation program to support the development of joint actions of the regions that comprise (coastal regions of Spain, France, Ireland, Portugal and the UK) due to common problems and needs in areas such as competitiveness, innovation or enhancement of endogenous resources.

Thematic objective	Priority areas	Specific Objectives	Thematic priorities
Thematic Objective 4 - Supporting the shift towards a low-carbon economy in all sectors	Priority axis 2: Fostering resource efficiency	Specific Objective 2.1: Fostering renewable energies and energy efficiency.	<ul style="list-style-type: none"> • Enhancement of cooperation between private, public and research actors throughout the whole value chain related to energy (R&D demonstration, feasibility & project planning, manufacturing, installation, operation & maintenance, distribution, environmental impact assessment...) • Improvement of spatial management to enhance the use of offshore and onshore renewable energies • Development of peer reviews and networking of regions, economic agencies and organisations specialised in the development of renewable energies to support the delivery of existing low carbon strategies • Enhancement of coordination and integration of the production and distribution systems of different kinds of renewable energy • Development of information, communication and awareness raising campaigns to increase social acceptance of renewable energy • Supporting consumer and local communities empowerment (micro-generation, smart metering) • Development of local policies and tools for the promotion of ultra-low energy buildings, high energy savings and super-efficient appliances

South East Europe Transnational Cooperation Programme (SUDOE)

The territorial cooperation program SUDOE cover the regions that comprise the Southeast European (Spain, France, Portugal and the UK - Gibraltar) and co-finances transnational projects that contribute to sustainable growth and development of this territory in the areas of innovation, the environment, new information technologies and sustainable urban development.

Thematic objective	Investment priority	Specific Objectives	Key actions
Thematic Objective 4 - Supporting the shift towards a low-carbon economy in all sectors	Investment Priority 4C: Encouraging energy efficiency and the use of renewable energy in public infrastructures, including public buildings and the housing sector	Specific Objective 1: Improving energy efficiency policies and the use of renewable energy sources in public buildings and housing thanks to transnational cooperation.	<ul style="list-style-type: none"> • Promoting the modification of the behaviour of decision-makers, economic players, and the general public • Tools of observation and analysis • Accompaniment for energy saving projects in infrastructures, public administrations, and housing • Actions in favour of the improved use of renewable energy sources in buildings and housing • Promoting the modification of the behaviour of decision-makers, economic players, and the general public • Tools of observation and analysis

Cross-border Territorial Cooperation: Spain – Portugal (POCTEP)

The POCTEP will be the main instrument of cooperation in the Euro-region Galicia-Northern Portugal. This program will support actions to consolidate existing partnerships promoting change for a cross-border cooperation based on and for citizens, emphasizing the added value of such cooperation in the creation of economies of scale and more efficient implementation of joint solutions to common problems. In operational terms, the projects and the actions to be financed under the POCTEP will be framed by the Joint Investment Plan (CIP) Galicia - Northern Portugal establishing the strategic priorities and investment priorities for this territory.

Thematic objective	Investment priority	Specific Objectives	Key actions
Axe 1 / Thematic Objective 1: Strengthening research, technological development and innovation	PI 1.A: Improving infrastructure for Research and Innovation (R&I) and the ability to develop excellence in R&I and promoting centres of competence, in particular those of European interest	Specific Objective 1 Improving scientific excellence of the Cross-Border cooperation Area in the research with the potential to become internationally competitive	The type of actions to be financed include, among other possible: <ul style="list-style-type: none"> • Actions to promote scientific and technological development in the energy sector, among others, to enable effective results to improve energy efficiency, reduce energy consumption and increase the diversification of sources of energy supply, including renewable sea energy.
Axe 3 / Thematic Objective 6: Protecting the environment and promoting resource efficiency	PI 6.E: Action to improve the urban environment, rehabilitation of industrial sites and reduction of air pollution.	Specific Objective 2 Strengthen local sustainable development throughout the Spanish-Portuguese border.	The type of actions to be financed include, among other possible: <ul style="list-style-type: none"> • Pilot interventions in special tourist and social attractiveness sites, historical centres and urban centres, among others. • Initiatives to improve an integrated approach and the operating performance of sustainable public transport, among other actions to promote intelligent transport systems and sustainable mobility. • Initiatives and joint management actions for the valorisation of the urban environment and which contribute to the creation of urban greenways with leisure facilities.
Axe 2 / Thematic Objective 11: Improved institutional capacity and efficiency of public administration	PI. 11A: Improve institutional capacity of public authorities and stakeholders and the efficiency of public administration by promoting legal and administrative cooperation, and cooperation between citizens and institutions.	Specific Objective 3 Strengthen processes of rapprochement and cooperation between different actors operating in the territory	The type of actions to be financed include, among other possible: <ul style="list-style-type: none"> • Actions contributing to the creation and implementation of cross-border governance models. • Initiatives and actions that contribute to the definition and establishment of consultation mechanisms between the authorities involved in different fields of common interest. • Actions contributing to the development and coordination of Cross-border Strategic Plans.

3.2.4 National and Regional Operational Programmes

The Europe 2020 Strategy has at its disposal a number of national and regional operational programs (managed directly by the national governments instances or regional public administration) where projects and actions aligned with the investment priorities set for CLIMATLANTIC+ may be framed. Given the scope and nature of the objectives envisaged for each of these programs as well as the specifics of the projects and actions proposed here we present the programs that best fit these projects and actions.

Spain 2020 - Operational Programming Instruments

Partnership Agreement Spain 2014-2020

The Spanish Partnership agreement 2014-2020 is focussed on the main challenges identified for the sustainable development of the country aiming at optimizing the impact of the actions co-funded by the cohesion funds in the period 2014-2020 and, in particular:

- To foster economic sector with a high growth potential
- To explore synergies among funds and other EU policies and instruments
- To contribute to the development of the reforms defined in Spain to tackle the economic crisis
- To support the funding instruments and private investment to achieve a multiplying effect of the public resources

To achieve these objectives, the partnership agreement is focussed on a reduced number of priorities that will allow increase the effectiveness of public actions and reach the needed critical mass to induce a real impact on the Spanish socioeconomic situation.

The analysis of the Spanish operational programme allowed us to identify the investment priorities which best fit the objectives defined in the CLIMATLANTIC strategy and, therefore, could potentially fund the actions and projects defined under the framework of the above mentioned strategy. The priorities and investment priorities identified in the Partnership Agreement related to the objectives of the CLIMATLANTIC strategy are the following:

Thematic objective 4: Supporting the shift towards a low-carbon economy in all sectors

Specific priority: Efficient use of natural resources: to promote production and distribution of renewable energy sources and energy networks

Investment priorities:

- Use of biomass and biogas for energy production
- Promotion of biofuel use for transport
- Experimental programmes on marine energy production
- Improvement of energy efficiency in the agriculture sector

Specific priority: Efficient use of natural resources: to promote energy efficiency

Investment priorities:

- Measures to improve energy efficiency in buildings
- Measures to improve energy efficiency in different sectors and subsectors of energy consumers
- Measures to renew electricity production installations
- Sustainable urban mobility actions
- Energy consumption reduction measurements
- Research, development and innovation actions
- Smart distribution systems

Thematic objective 7: Promoting sustainable transport and removing bottlenecks in key network infrastructures

Specific priority: To provide support to the productive system to achieve higher added value by improving competitiveness of SME's: to rationalize transport systems in support of economic activity through integration of transport modes in the less developed and transition countries.

Investment priorities:

- To equilibrate the transport system favouring sustainable transport modes
- To improve the management of transport systems. Smart transport systems

GALICIA 2020 – Galician Regional Operational Program 2014-2020

The Galician Regional Operational Programme has been elaborated on the basis of the Europe 2020 Strategy aimed at smart, sustainable and inclusive growth and the economic, social and territorial cohesion, the funding priorities defined by the Spanish Position Paper, the actions shown in the National Reform Plan, the priority areas identified in the Annual Growth Survey 2013 and the weaknesses and priorities identified in the Diagnostic Analysis on the Galician situation with respect to other Spanish and European regions within the framework of the thematic objectives ERDF 2014-2020. The program is structured around 10 of the 11 Thematic Objectives.

In this analysis, the strategic priorities and investment priorities best aligned with the objectives of Climatlantic Strategy for the reduction of the carbon footprint in the Atlantic Area has been selected and shown in the following table:

Thematic objective	Investment priority	Specific Objectives	Key actions
Priority Axe 1 Thematic Objective 1. Strengthening research, technological development and innovation	Investment Priority 1.1: Strengthening the infrastructure for research and innovation (R & I) and the ability of developing excellence in R & I, and the promotion of centres of competence, particularly those of European interest	Specific Objective 1: Strengthen knowledge generation at the frontier, development of emergent technologies and knowledge generation oriented towards societal challenges.	(i) Development of public-private strategic projects
Priority Axe 3 Thematic Objective 4. Supporting the shift towards a low-carbon economy in all sectors	Investment Priority 4.1 The promotion of production and distribution of energy from renewable sources	Specific Objective 2 Increase the contribution of renewable energies for heating uses, in particular biomass, biogas and biofuel for transport	(i) Support of activities associated to the use of biomass for heating uses.
	Investment Priority 4.2 The promotion of energy efficiency and renewable energy use in enterprises (EP3 / PI1)	Specific Objective 1 Increase energy efficiency in enterprises, supporting the implementation of measures to promote energy efficiency and rationalizing consumption.	(i) Energy audits in enterprises of the industrial and services sectors. (ii) Energy efficiency and consumption reduction in industrial and services sectors.
	Investment Priority 4.3 The grant to support energy efficiency, smart energy management and the use of renewable energy in public infrastructure, including public buildings, and in the housing sector	Specific Objective 1 Increase energy efficiency in public infrastructure of regional and local administration, supporting the implementation of measures to promote energy efficiency and rationalizing consumption.	(i) Efficient insulation of buildings to reduce carbon emissions and energy consumption. (ii) Energy saving and energy efficiency in the public administration in the framework of the energy saving and energy efficiency of public administration 2015-2020, (iii) Actions to improve energy efficiency in schools and formation centres. (iv) Energy saving and energy efficiency actions in administrative and court buildings.
		Specific Objective 2 Increase energy efficiency in the social housing sector, supporting the implementation of measures to promote energy efficiency and rationalizing consumption.	
	Investment Priority 4.5 Promoting strategies for low-carbon strategies for all types of territories, particularly urban areas, including the promotion of sustainable urban multimodal sustainable mobility and adaptation measures relevant to mitigation	Specific Objective 1 Support for promoting the use of environmentally friendly transport and their networks in the case of support to be provided to the electric mobility network.	(i) Development of urban and interurban sustainable mobility: walking paths, (ii) increase in public transport and soft modes; (iii) strengthen and integration of demand-responsive transport systems.
Priority Axe 5 Thematic Objective 7. Promoting	Investment Priority 7.3. Development and Improve low carbon emissions, environmental friendly transport modes	Specific Objective 1 Develop and improve low carbon emissions, environmental friendly transport modes	(i) Articulation of different transport modes to achieve intermodality in the transport nodes of the region.

Thematic objective	Investment priority	Specific Objectives	Key actions
sustainable transport and removal of bottlenecks in the main infrastructure networks	Investment Priority 7.5. Improved energy efficiency and security of supply through smart distribution, storage and transfer by means of distributed generation for energy from renewable sources	Specific Objective 1 Development of smart systems for the distribution, storage and transfer of natural gas	(i) Improve and increase the natural gas distribution network

Portugal 2020 – Operational Programming Instruments

The Portugal 2020 national program adopts the programming principles of Europe 2020 Strategy and sets the interventions, investments and funding priorities needed to promote smart, sustainable and inclusive growth. The programming and implementation of Portugal 2020 is organized in four thematic areas - **competitiveness and internationalization, social inclusion and employment, human capital, sustainability and efficient use of resources** - also considering the cross-cutting areas relating to the reform of public administration and the territorialisation of interventions. The four thematic areas constitute the four essential dimensions of thematic operational programs planned for Portugal and which are complemented by regional operational programmes.

POCI - Operational Program for competitiveness and internationalization

The Thematic Operational Competitiveness and Internationalisation Programme aims to contribute to the creation of a more competitive economy based on knowledge intensive activities, the investment in tradable and internationalizable goods and services and strengthening the qualification and the export orientation of Portuguese companies in especially SMEs, also promoting the reduction of costs associated with a higher efficiency of public services and the improvement of transport and its integration into European networks. The POCI is oriented to the less developed regions of the continent. It is complemented by the Regional Operational Programmes of the continent, with which it forms a well-connected network, through which policy instruments are deployed with common rules and objectives, targeted to the competitiveness of the regions and the country's economy.

From the analysis of the intervention strategy envisaged for this thematic operational program we retained the following most appropriate strategic priorities and investment priorities for financially framing possible actions and projects to be implemented under the CLIMATLANTIC +.

Thematic objective	Investment priority	Specific Objectives	Key actions
Priority Axe 4 /Thematic Objective 7 Promoting Sustainable Transport and Elimination of bottlenecks in key network infrastructures	7.1. Support for the single European area of multimodal transport through investment in the trans-European Transport Network (TEN-T)	Specific Objective 1 Development of systems, equipment and transport infrastructure and logistics inserted in the Trans-European Transport Networks.	I. Projects that promote economic and environmental sustainability, interoperability, inter-modality and access of systems and transport infrastructures and logistics, inserted in the Trans-European Transport Network, in the following areas: <ul style="list-style-type: none"> • Rail; • Sea-port and inland waterways; • multimodal platforms; • Motorways of the Sea; • Road II. Development of intelligent information systems, traffic management, security and management of logistics chains inserted in the Trans-European Transport Networks;
	7.3. Development and improvement of green and low carbon transport systems, including inland waterways and maritime transport, ports and multimodal connections	Specific Objective 2 Development of systems, equipment and transport and logistics infrastructures with low carbon emissions	I. Projects that promote development, competitiveness, rehabilitation, security, economic and environmental sustainability, interoperability, inter-modality and access to systems and transport infrastructures with low carbon emissions, particularly in the following areas (including infrastructure and components not included in the TEN-T): <ul style="list-style-type: none"> • Sea-port and inland waterways; • Motorways of the Sea; • Multimodal logistic platforms. II. Support the development of intelligent systems and information, traffic management, security and management of logistic chains in the port-maritime and river transport, Motorways of the Sea and logistic platforms.
	7.4. Development and rehabilitation of comprehensive rail systems, of high quality, interoperable, and promotion of measures for noise reduction	Specific Objective 3. Promote the competitiveness of the heavy and light rail system	Projects that promote development, competitiveness, rehabilitation, security, economic and environmental sustainability, interoperability and intermodal systems and infrastructures heavy and light rail transport (including non TEN-T); Support the development of intelligent systems and information, traffic management, security and management of logistic chains in heavy and light rail.

POSEUR - Operational Program in Sustainability and Resource Use Efficiency

The Operational Program in Sustainability and Resource Use Efficiency intends to contribute to the affirmation of the EU 2020 strategy particularly in the priority of sustainable growth, responding to the challenges attached to the transition towards a low carbon economy, based on more efficient use of resources and promoting greater resilience to climate risks and disasters. This strategy calls for a multidimensional perspective of sustainability based on three strategic pillars: the efficient use of resources, with special focus on the energy but with important contributions coming from the sector of water, waste and territory qualification policy; to climate change adaptation and risk prevention and environmental protection.

From the analysis of the intervention strategy advocated for this thematic operational program we have retained the following most appropriate strategic priorities and investment priorities for framing financially possible actions and projects to be developed under the CLIMATLANTIC +:

Thematic objective	Investment priority	Specific Objectives	Key actions
<p>Priority Axe 1/ Thematic Objective 4. Supporting the shift towards a low-carbon economy in all sectors</p>	<p>Investment Priority 1: Promoting the production and distribution of renewable energy</p>	<p>Specific Objective 3: Diversification of energy supply from renewable sources by leveraging the endogenous energy potential, ensuring the connection to the network of the producing facilities, thereby reducing energy dependence;</p>	<p>Development and testing of technologies for renewable energy production Development and testing of technologies for energy storage Pilot projects for the development of new technologies (e.g. development of marine renewables, biomass, geothermal, biogas, etc.) and technologies that are not yet widespread in the national territory, including at sea (e.g. micro generation, distributed generation, biomass for thermal effects). Energy production from (except hydro, solar (CSP and CPV) and wind) renewable sources. Projects for equipment installation and energy storage, namely from renewable sources, and for increasing the interconnection capacity with other countries systems. Capacitation of distribution network in order to contribute to the integration of renewable projects on the network The exploration, identification and study of the necessary conditions to the development of these technologies (e.g. identification of appropriate maritime areas to offshore deployment of new technologies) .</p>
	<p>Investment Priority 2: Grant support of energy efficiency, smart energy management and the use of renewable energy in public infrastructures, including public buildings, and in the housing sector</p>	<p>Specific Objective 1: Increase energy efficiency in public infrastructures within the central administration of the state, supporting the implementation of energy efficiency measures and renewable energy production on public buildings</p>	<p>Energy efficiency in Central Administration: Support for the promotion of the management contracts for energy efficiency in public facilities (ESCO model), namely buildings Preliminary studies required for the preparation of specifications and programme procedures necessary to conclude contracts for energy efficiency management in order to establish the requirements to incorporate in those specifications, taking into consideration those that are inherent specificities of each of the energy efficiency measures; Investment in the implementation of energy efficiency measures associating the same goal with the fulfilment of obligations arising from the transposition of the Directive 2010/31 / EU on the energy performance of buildings Support to Energy Service Companies as promoters of energy efficiency in public administration. Action plans for energy efficiency: Co-funding of audits or other studies that support the development of these plans, since in most cases the Public Entity of the Central Administration does not have the human and technical resources to make these same evaluations and identify energy efficiency measures to implement in a particular installation; Support the implementation of energy efficiency measures resulting from these same plans; Investment in the implementation of energy efficiency measures associating the same goal with the fulfilment of obligations arising from the transposition of the Directive 2010/31 / EU on the energy performance of buildings.</p>
		<p>Specific Objective 2: Increased energy efficiency in the housing sector, supporting the implementation of energy efficiency measures and renewable generation in housing</p>	<p>Energy efficiency in housing Actions to promote energy efficiency and supporting the use of renewable energy in private housing sector by promoting the adoption of passive systems (insulation, shading, etc.), and for the use of more efficient equipment to reduce final energy consumption, also considering decentralized renewable production for own consumption, which are materialized, among others, through the following measures: (a) promotion of more efficient equipment; (b) efficient lighting; (c) efficient window; (d) efficient insulation; (e) green heat; (f) energy efficiency in residential buildings; and (g) residential solar thermal.</p>

Thematic objective	Investment priority	Specific Objectives	Key actions
	<p>Investment Priority 3 - Development and deployment of intelligent power systems operating at low and medium voltage levels</p>	<p>Specific Objective 1: Provide consumers with the information and tools they need to achieve energy efficiency, create conditions for the development of smart grids, for increased synergies and cost savings to reduce the rate, boosting the development of energy-smart cities and contribute to reducing national energy consumption through rationalization of resources.</p>	<p>Investments in this area include: (a) studies, (b) the installation of smart meters and systems, (c) the development and installation of systems for management of information output from smart meters, (d) installation of concentrator systems and communication systems as well as related network; (e) development of smart grid pilot projects in cities.</p>
	<p>Investment Priority 4 – Promotion of low-carbon strategies for all types of territories, particularly urban areas, including the promotion of sustainable urban mobility and multimodal adaptation measures relevant to mitigation</p>	<p>Specific Objective 2 - Support for promoting the use of environmentally friendly transport and their networks in the case of support to be provided to the electric mobility charging network</p>	<p>A commitment to developing environmentally friendly transport systems and with low carbon emissions, namely:</p> <ul style="list-style-type: none"> (a) support to the implementation of the green tire measure; (b) promotion of ecological mobility and the adoption of good practices; (c) use of transportation and mobility solutions more energy efficient; (d) campaigns promoting the use of rail transport for passengers; (e) support the installation of nitrogen tire inflation equipments; (f) fleet management systems and promotion of eco-driving; (g) filling stations for natural gas for public transport; (h) upgrade of electrical charging stations; (i) improvement of management information systems and customer support on the electric mobility; (j) measures and actions at the national promotion of electric mobility; (k) converting vehicles to use other fuel sources; (l) use of electric vehicles in the sphere of the Public Administration; (m) other investments to improve the economic and financial sustainability of electric mobility network.
<p>Priority Axe 2: Thematic Objective 5 Adapt to climate change and the prevention and management of risks</p>	<p>Investment Priority 1 – Grant investment support for climate change adaptation, including approaches based on ecosystems</p>	<p>Specific Objective 1 - Strengthen national capacities to adapt to climate change through the adoption and articulation of cross-sectorial and territorial measures.</p>	<p>Actions of territorial planning of local and regional</p> <ul style="list-style-type: none"> • Preparation of studies and planning tools aimed at identifying vulnerabilities, impacts and intervention priorities for adaptation to climate change at several geographical scales (especially regional and local) • Implementation of measures arising from plans, studies and projects aimed at climate change adaptation.

NORTE 2020 - Regional Operational Program of the North 2014-2020

The Regional Operational Programme of the North of Portugal aims to contribute to achieving the Europe 2020 Strategy aimed at smart, sustainable and inclusive growth and the economic, social and territorial cohesion. The strategic and programmatic structure of this program mobilized 10 of 11 Thematic Objectives, thus ensuring a relatively wide response of public policies financed by the European Structural Funds (ERDF and ESF) and Investment (FFEI) to the problems and challenges of socioeconomic development with which the region debates.

From the analysis of the intervention strategy envisaged for this thematic operational program we have retained the following most appropriate strategic priorities and investment priorities for framing financially possible actions and projects to be developed under the CLIMATLANTIC +:

Thematic objective	Investment priority	Specific Objectives	Key actions
<p>Priority Axe 1 Thematic Objective 1. Strengthening research, technological development and innovation</p>	<p>Investment Priority 1: Strengthening the infrastructure for research and innovation (R & I) and the ability of developing excellence in R & I, and the promotion of centres of competence, particularly those of European interest</p>	<p>Specific Objective 3: Strengthen the transfer of scientific and technological knowledge to the business sector, promoting greater efficiency in the Regional Innovation System and the creation of value.</p>	<p>Economic valuation and transfer of scientific and technological knowledge - support system for networks and group activities, through actions supporting:</p> <ul style="list-style-type: none"> (i) dissemination and diffusion of new knowledge and technologies generated in R & D seed projects (demonstration seed projects) , (ii) patenting and licensing of industrial property, (iii) seed projects (supporting young and nearing completion of PhD or Postdoctoral students so they can develop prototypes and/or processes targeted at specific market and/or industrial sector).
<p>Priority Axe 3 Thematic Objective 4. Supporting the shift towards a low-carbon economy in all sectors</p>	<p>Investment Priority 4.2 The promotion of energy efficiency and renewable energy use in enterprises (EP3 / PI1)</p>	<p>Specific Objective 1 Increase energy efficiency in enterprises, supporting the implementation of measures to promote energy efficiency and rationalizing consumption.</p>	<p>Support the implementation of energy efficiency and diversification projects in companies through actions:</p> <ul style="list-style-type: none"> (i) cross-linked with technological performance of electric motors, heat and cold production, lighting and other energy efficiency measures for the industrial process, (ii) applied to specific production processes of other sectors, (iii) specific associated with service sector (efficient equipment's , efficient lighting and efficient window), (iv) for efficient insulation, green heat and support for energy efficiency in office buildings and the solar thermal system for services , (v) to conduct energy audits and support the preparation of Energy Consumption Rationalization Plans (PREn), (vi) to support pilot and demonstration projects for the use of renewable energy based production technologies.
		<p>Specific Objective 1 Increase energy efficiency in public infrastructure of regional and local administration, supporting the implementation of measures to promote energy efficiency and rationalizing consumption.</p>	<p>Efficiency and energy diversification in public infrastructure and social housing, through actions:</p> <ul style="list-style-type: none"> (i) to conduct energy audits and supporting the preparation of Energy Consumption Rationalization Plan (PREn); (ii) of creation of support programs for urban rehabilitation in order to improve the energy and environmental performance of buildings and services of Local and Regional Government , either through implementation of active measures (integration of solar hot water, incorporation of microgeneration, etc.), or by the application of passive measures (interventions in the building envelopes); (iii) the creation of urban thermal energy networks directed to large consumer of heat and cold public buildings (hospitals, universities, etc.) ; (iv) dissemination of good practices for the energy and environmental performance of buildings (guides of terms of reference, etc.); (v) promoting investments on improving efficiency of public lighting.
	<p>Specific Objective 2 Increase energy efficiency in the social housing sector, supporting the implementation of measures to promote energy efficiency and rationalizing consumption.</p>		
	<p>Investment Priority 4.3 The grant to support energy efficiency, smart energy management and the use of renewable energy in public infrastructure, including public buildings, and in the housing sector (EP3 / PI2)</p>		

Thematic objective	Investment priority	Specific Objectives	Key actions
	<p>Investment Priority 4.5 Promoting strategies for low-carbon strategies for all types of territories, particularly urban areas, including the promotion of sustainable urban multimodal sustainable mobility and adaptation measures relevant to mitigation (EP3/PI3)</p>	<p>Specific Objective 1 Support for promoting the use of environmentally friendly transport and their networks in the case of support to be provided to the electric mobility network.</p>	<p>Territorial strategies for low carbon emissions, through actions:</p> <ul style="list-style-type: none"> (i) supporting the preparation of mobility plans at sub-regional scale from the perspective of sustainability; (ii) increase in public transport and soft modes; (iii) strengthening of modal integration and fare integration; (iv) improvement of network interfaces; (v) structuring of high demand corridors; (vi) improvement of integrated ticketing solutions; (vii) adoption of in real-time user information systems; (viii) reordering of activities in terms of logistics and transport, especially in the proximity of major traffic generating poles; (ix) strengthening of logistics efficiency, attracting higher value-added activities.
<p>Prioritary Axe 4 Thematic Objective 6. Protecting the environment and promoting resource efficiency</p>	<p>Investment Priority 6.5 The adoption of measures to improve the urban environment, revitalize cities, recover and decontaminate brownfield sites, including areas of redevelopment, reduce air pollution and to promote measures to reduce noise (EP4 / PI3)</p>	<p>Specific Objective 1 Promote environmental, urban and landscape quality of the territories as a differentiating factor and regional affirmation</p>	<p>The actions developed to improve _ quality of urban environment are:</p> <ul style="list-style-type: none"> (ii) recovery, expansion and enhancement of urban ecological systems and structures; (iii) upgrading of public space and urban and commercial animation; (iv) monitoring and environmental information; (v) development of innovative experiments and pilot actions in the context of sustainable urban development; (vi) preparation of studies and plans for air quality and noise reduction and implementation of their respective implementation programs (viii) monitoring of air quality
<p>Prioritary Axe 5 Thematic Objective 7. Promoting sustainable transport and removal of bottlenecks in the main infrastructure networks</p>	<p>Investment Priority 7.2. Improved regional mobility by connecting the secondary and tertiary nodes, including multimodal nodes, to the TEN-T Network (EP5 / PI1)</p>	<p>Specific Objective 1 Promote the elimination of specific constraints on links to major transport networks, main economic activity centers or to the regional logistics network nodes, contributing to the promotion of competitiveness of the productive activities of tradable goods and services and the movement of people and goods at local and regional level.</p>	<p>Will be supported: (ii) actions that promote articulation, interoperability and intermodality of regional transport and logistics system in order to promote the competitiveness of the productive activities of tradable goods and services and the movement of people and goods at local and regional level</p>

SUMMARY OF FINANCING OPPORTUNITIES - FACTSHEETS

CLIMATLANTIC OBJECTIVE 1 - To increase the use of renewable energy and promote energy efficiency				
CLIMATLANTIC Investment Priority 1. To disseminate the renewable energies as a key topic to transform a peripheral territory into a core one through economic development based on wind and marine energies				
THEMATIC OBJECTIVE EU 2020				
4. Supporting the shift towards a low-carbon economy in all sectors				
STRATEGIC FUNDING FRAMEWORK				
COHESION FUND (CF) (only in Portugal) (a) supporting the shift towards a low-carbon economy in all sectors by: (i) promoting the production and distribution of renewable energy sources;				
EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF) (1) strengthening research, technological development and innovation: (c) supporting technological and applied research, pilot lines, early product validation actions, advanced manufacturing capabilities and first production in Key Enabling Technologies and diffusion of general purpose technologies; (4) supporting the shift towards a low-carbon economy in all sectors: (a) promoting the production and distribution of renewable energy sources;				
KEY ACTIONS				
EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF) Investment in the wider use of Energy Performance Contracting in the public buildings and housing sectors. COHESION FUND (CF) AND EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF) - Energy efficiency and renewable heating and cooling in public buildings, in particular the demonstration of zero-emission and positive-energy buildings, as well as deep renovation of existing buildings to beyond cost-optimal levels; - Energy efficiency measures and renewable energy use in SMEs (including information campaigns); - Innovative renewable energy technologies, in particular technologies mentioned in the Strategic Energy Technology Plan and in the Energy Roadmap 2050 ⁴ , along with second- and third-generation biofuels; - Supporting marine-based renewable energy production, including tidal and wave energy; - Integrated low-carbon strategies and sustainable energy action plans for urban areas, including public lighting systems and smart grids.				
OPERATIONAL FUNDING FRAMEWORK				
CONTEXT	PROGRAMMES	PRIORITY AXES/THEMATIC OBJECTIVE	INVESTMENT PRIORITIES	SPECIFIC OBJECTIVES
<u>EUROPEAN</u>				
<u>European Territorial Cooperation (ETC)</u>	INTERREG EUROPE POCTEP ATLANTIC AREA SUDOE	PA3 / TO4 PA1 / TO1 PA2	IP4e IP1A IP4C	SO1 SO1 SO2.1 SO1
<u>NATIONAL</u>	PT2020/POSEUR	PA1 / TO4	IP1	SO3
<u>REGIONAL</u>	PT/NORTE2020 GALICIA2020	PA3/TO4 PA3/TO4	IP4.3. IP4.1	SO1/SO2 SO2

⁴ Ec.europa.eu/energy/energy2020/roadmap/index_en.htm

CLIMATLANTIC OBJECTIVE 1 - To increase the use of renewable energy and promote energy efficiency

CLIMATLANTIC Investment Priority

2. To explore distributed generation as an alternative for generating new energy resources, reducing energy dependency and fostering citizens' responsibility and environmental education

THEMATIC OBJECTIVE EU 2020

4. Supporting the shift towards a low-carbon economy in all sectors

STRATEGIC FUNDING FRAMEWORK

EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF) AND COHESION FUND (CF)

- (4) supporting the shift towards a low-carbon economy in all sectors:
- (a) promoting the production and distribution of renewable energy sources;
 - (b) promoting energy efficiency and renewable energy use in SMEs;
 - (c) supporting energy efficiency and renewable energy use in public infrastructures and in the housing sector;
 - (d) developing smart distribution systems at low voltage levels;
 - (e) promoting low-carbon strategies for urban areas;

EUROPEAN AGRICULTURAL FUND FOR RURAL DEVELOPMENT (EAFRD)

- (5) promoting resource efficiency and supporting the shift towards a low carbon and climate resilient economy in agriculture, food and forestry sectors, with a focus on the following areas:
- (c) facilitating the supply and use of renewable sources of energy, of by- products, wastes, residues and other non food raw material for purposes of the bio-economy;

EUROPEAN SOCIAL FUND (ESF)

- (b) Investing in education, skills and life-long learning through:
- (iii) Enhancing access to lifelong learning, upgrading the skills and competences of the workforce and increasing the labour market relevance of education and training systems;
2. Through the investment priorities listed in paragraph 1, the ESF shall also contribute to the other thematic objectives listed in Article 9 of Regulation (EU) No [...], primarily by:
- (a) Supporting the shift towards a low-carbon, climate-resilient, resource-efficient and environmentally sustainable economy, through reform of education and training systems, adaptation of skills and qualifications, up-skilling of the labour force, and the creation of new jobs in sectors related to the environment and energy;

EUROPEAN MARITIME AND FISHERIES FUND (EMFF)

Article 41 Fishing ports, landing sites and shelters

1. For the purpose of increasing the quality of the product landed, increasing energy efficiency, contributing to environmental protection or improving safety and working conditions, the EMFF may support investments improving fishing port infrastructure or landing sites, including investments in facilities for waste and marine litter collection.

Article 52 Promotion of aquaculture with high level of environmental protection

- (d) increasing energy efficiency and promoting conversion of aquaculture enterprises to renewable sources of energy;

KEY ACTIONS

EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF) AND COHESION FUND (CF)

- Energy efficiency and renewable heating and cooling in public buildings, in particular the demonstration of zero-emission and positive-energy buildings, as well as deep renovation of existing buildings to beyond cost-optimal levels;
- Energy efficiency measures and renewable energy use in SMEs (including information campaigns);
- Innovative renewable energy technologies, in particular technologies mentioned in the Strategic Energy Technology Plan and in the Energy Roadmap 2050, along with second- and third-generation biofuels;
- Supporting marine-based renewable energy production, including tidal and wave energy;
- Integrated low-carbon strategies and sustainable energy action plans for urban areas, including public lighting systems and smart grids.

EUROPEAN AGRICULTURAL FUND FOR RURAL DEVELOPMENT (EAFRD)

- Increased efficiency in energy use in agriculture and food processing through investments in more energy-efficient buildings and facilities, together with advice on energy-efficiency;
- Facilitating the supply and use of renewable sources of energy, and of by-products, wastes, residues and other non-food raw material to promote the bio-economy through: investments in the on-farm production and use of renewable energy; pilot projects for improving by-product use; investments in new forestry technologies for the processing of biomass; and investments in renewable energy infrastructures in rural areas;
- Reducing nitrous oxide and methane emissions from agriculture through: support for lower use of nitrogen fertilisers; improved livestock management practices (for the treatment of animal wastes); and support for more climate-friendly crop rotation;
- Enhancing carbon sequestration and emission reduction in agriculture and forestry through: agro-forestry systems; forest planting and maintenance; climate-friendly management of new and existing forests; establishing or maintaining healthy grassland; and maintaining peatlands.

EUROPEAN MARITIME AND FISHERIES FUND (EMFF)

- Support deployment of low carbon technologies and solutions and increase energy efficiency of fisheries and aquaculture activities, including fishing vessels, ports, aquaculture farms and processing of fisheries and aquaculture products.

OPERATIONAL FUNDING FRAMEWORK

CONTEXT	PROGRAMMES	PRIORITY AXES/THEMATIC OBJECTIVE	INVESTMENT PRIORITIES	SPECIFIC OBJECTIVES
<u>EUROPEAN</u>	URBACT III HORIZON 2020 HORIZON 2020	TO11 PIII PIII	IP1 3 5	SO1/SO2/SO3 a, b, c, e a, b, c, d
<u>ETC</u>	INTERREG EUROPE POCTEP ATLANTIC AREA SUDOE	PA3 / TO4 PA1 / TO1 PA2	IP4e IP1A IP4C	SO1 SO1 SO2.1 SO1
<u>NATIONAL</u>	PT2020/POSEUR	PA1 / TO4	IP1	SO3
<u>REGIONAL</u>	PT/NORTE2020 GALICIA2020	PA3/TO4 PA3/TO4	IP4.3. IP4.1	SO1/SO2 SO2

CLIMATLANTIC OBJECTIVE 1- To increase the use of renewable energy and promote energy efficiency

CLIMATLANTIC Investment Priority

3. To use the public sector as a benchmark of good practices: reduction of energy consumption by 20-30% in 2020 by public authorities, in public buildings, lighting in public spaces, transport, heating and other consumptions.

THEMATIC OBJECTIVE EU 2020

4. Supporting the shift towards a low-carbon economy in all sectors

INVESTMENT PRIORITIES

EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF) AND COHESION FUND (CF) (only in Portugal)

(4) supporting the shift towards a low-carbon economy in all sectors:

- (c) supporting energy efficiency and renewable energy use in public infrastructures and in the housing sector;
- (e) promoting low-carbon strategies for urban areas;

(7) promoting sustainable transport and removing bottlenecks in key network infrastructures:

- (c) developing environment-friendly and low-carbon transport systems and promoting sustainable urban mobility.

EUROPEAN SOCIAL FUND (ESF)

(b) Investing in education, skills and life-long learning through:

- (iii) Enhancing access to lifelong learning, upgrading the skills and competences of the workforce and increasing the labour market relevance of education and training systems;

2. Through the investment priorities listed in paragraph 1, the ESF shall also contribute to the other thematic objectives listed in Article 9 of Regulation (EU) No [...], primarily by:

- (a) Supporting the shift towards a low-carbon, climate-resilient, resource-efficient and environmentally sustainable economy, through reform of education and training systems, adaptation of skills and qualifications, up-skilling of the labour force, and the creation of new jobs in sectors related to the environment and energy;

EUROPEAN MARITIME AND FISHERIES FUND (EMFF)

Article 41 Fishing ports, landing sites and shelters

1. For the purpose of increasing the quality of the product landed, increasing energy efficiency, contributing to environmental protection or improving safety and working conditions, the EMFF may support investments improving fishing port infrastructure or landing sites, including investments in facilities for waste and marine litter collection.

KEY ACTIONS

EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF) AND COHESION FUND (CF)

- Energy efficiency and renewable heating and cooling in public buildings, in particular the demonstration of zero-emission and positive-energy buildings, as well as deep renovation of existing buildings to beyond cost-optimal levels;
- Energy efficiency measures and renewable energy use in SMEs (including information campaigns);
- Innovative renewable energy technologies, in particular technologies mentioned in the Strategic Energy Technology Plan and in the Energy Roadmap 2050, along with second- and third-generation biofuels;
- Supporting marine-based renewable energy production, including tidal and wave energy;
- Integrated low-carbon strategies and sustainable energy action plans for urban areas, including public lighting systems and smart grids.

EUROPEAN MARITIME AND FISHERIES FUND (EMFF)

- Support deployment of low carbon technologies and solutions and increase energy efficiency of fisheries and aquaculture activities, including fishing vessels, ports, aquaculture farms and processing of fisheries and aquaculture products.

OPERATIONAL FUNDING FRAMEWORK				
CONTEXT	PROGRAMMES	PRIORITY AXES/THEMATIC OBJECTIVE	INVESTMENT PRIORITIES	SPECIFIC OBJECTIVES
<u>EUROPEAN</u>	URBACT III HORIZON 2020 LIFE+	TO11 PIII Environment	IP1 3 c)	SO1/SO2/SO3 a, d, f, g c)
<u>ETC</u>	INTERREG EUROPE POCTEP ATLANTIC AREA SUDOE	PA3 / TO4 PA1 / TO1 PA2	IP4e IP1A IP4C	SO1 SO1 SO2.1 SO1
<u>NATIONAL</u>	PT2020/POSEUR	PA1 / TO4	IP2 IP3	SO1/SO2 SO1
<u>REGIONAL</u>	NORTE 2020 GALICIA2020	PA3 / TO4 PA3 / TO4	IP4.2 IP4.3 IP4.3	SO1/SO2 SO1/SO2

CLIMATLANTIC OBJECTIVE 1 - To increase the use of renewable energy and promote energy efficiency

CLIMATLANTIC Investment Priority

4. Development of energy neutral buildings and equipments using appropriate material and supervision systems to monitor the life of the infrastructure. Introduction of energy efficiency binding measures in building regulations. Eco-lending, with a low or zero interest rate to rehabilitate buildings subject to energy efficiency norms.

THEMATIC OBJECTIVE EU 2020

4. Supporting the shift towards a low-carbon economy in all sectors

STRATEGIC FUNDING FRAMEWORK

EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF) AND COHESION FUND (CF) (only in Portugal)

- (4) supporting the shift towards a low-carbon economy in all sectors:
- (a) promoting the production and distribution of renewable energy sources;
 - (b) promoting energy efficiency and renewable energy use in SMEs;
 - (c) supporting energy efficiency and renewable energy use in public infrastructures and in the housing sector;
 - (d) developing smart distribution systems at low voltage levels;
 - (e) promoting low-carbon strategies for urban areas;

EUROPEAN AGRICULTURAL FUND FOR RURAL DEVELOPMENT (EAFRD)

- (5) promoting resource efficiency and supporting the shift towards a low carbon and climate resilient economy in agriculture, food and forestry sectors, with a focus on the following areas:
- (b) increasing efficiency in energy use in agriculture and food processing;
 - (c) facilitating the supply and use of renewable sources of energy, of by-products, wastes, residues and other non food raw material for purposes of the bio-economy;

EUROPEAN SOCIAL FUND (ESF)

- (b) Investing in education, skills and life-long learning through:
- (iii) Enhancing access to lifelong learning, upgrading the skills and competences of the workforce and increasing the labour market relevance of education and training systems;

2. Through the investment priorities listed in paragraph 1, the ESF shall also contribute to the other thematic objectives listed in Article 9 of Regulation (EU) No [...], primarily by:

- (a) Supporting the shift towards a low-carbon, climate-resilient, resource-efficient and environmentally sustainable economy, through reform of education and training systems, adaptation of skills and qualifications, up-skilling of the labour force, and the creation of new jobs in sectors related to the environment and energy;

KEY ACTIONS

EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF) AND COHESION FUND (CF)

- Energy efficiency and renewable heating and cooling in public buildings, in particular the demonstration of zero-emission and positive-energy buildings, as well as deep renovation of existing buildings to beyond cost-optimal levels;
- Energy efficiency measures and renewable energy use in SMEs (including information campaigns);
- Innovative renewable energy technologies, in particular technologies mentioned in the Strategic Energy Technology Plan and in the Energy Roadmap 2050, along with second- and third-generation biofuels;
- Supporting marine-based renewable energy production, including tidal and wave energy;
- Integrated low-carbon strategies and sustainable energy action plans for urban areas, including public lighting systems and smart grids.

EUROPEAN AGRICULTURAL FUND FOR RURAL DEVELOPMENT (EAFRD)

- Increased efficiency in energy use in agriculture and food processing through investments in more energy-efficient buildings and facilities, together with advice on energy-efficiency;
- Facilitating the supply and use of renewable sources of energy, and of by-products, wastes, residues and other non-food raw material to promote the bio-economy through: investments in the on-farm production and use of renewable energy; pilot projects for improving by-product use; investments in new forestry technologies for the processing of biomass; and investments in renewable energy infrastructures in rural areas;
- Reducing nitrous oxide and methane emissions from agriculture through: support for lower use of nitrogen fertilisers; improved livestock management practices (for the treatment of animal wastes); and support for more climate-friendly crop rotation;
- Enhancing carbon sequestration and emission reduction in agriculture and forestry through: agro-forestry systems; forest

planting and maintenance; climate-friendly management of new and existing forests; establishing or maintaining healthy grassland; and maintaining peatlands.

OPERATIONAL FUNDING FRAMEWORK				
CONTEXT	PROGRAMMES	PRIORITY AXES/THEMATIC OBJECTIVE	INVESTMENT PRIORITIES	SPECIFIC OBJECTIVES
<u>EUROPEAN</u>	URBACT III HORIZON2020	TO11 PIII	IP1 3	SO1/SO2/SO3 g
<u>ETC</u>	INTERREG EUROPE POCTEP ATLANTIC AREA SUOE	PA3/TO4 PA1/T01 PA3/TO6 PA2	IP4e IP1A IP6E IP4C	S01 S01 SO2 SO2.1 SO1
<u>NATIONAL</u>	PT2020/POSEUR	PA1/TO4	IP2	SO2
<u>REGIONAL</u>	PT/NORTE2020 GALICIA2020	PA3/TO4 PA3/TO4	IP4.3 IP4.3	SO2 SO1

CLIMATLANTIC OBJECTIVE 1 -To increase the use of renewable energy and promote energy efficiency				
CLIMATLANTIC Investment Priority 5. Implementation of forestry policies to facilitate reduction of GHG emissions through decrease in forest fires				
THEMATIC OBJECTIVE EU 2020				
4. Supporting the shift towards a low-carbon economy in all sectors				
STRATEGIC FUNDING FRAMEWORK				
<u>EUROPEAN AGRICULTURAL FUND FOR RURAL DEVELOPMENT (EAFRD)</u> (5) promoting resource efficiency and supporting the shift towards a low carbon and climate resilient economy in agriculture, food and forestry sectors, with a focus on the following areas: (e) Fostering carbon sequestration in agriculture and forestry; <i>Article 23 Afforestation and creation of woodland</i> <i>Article 25 Prevention and restoration of damage to forests from forest fires and natural disasters and catastrophic events</i> <i>Article 35 Forest-environmental and climate services and forest conservation</i>				
KEY ACTIONS				
<u>EUROPEAN AGRICULTURAL FUND FOR RURAL DEVELOPMENT (EAFRD)</u> - Increased efficiency in energy use in agriculture and food processing through investments in more energy-efficient buildings and facilities, together with advice on energy-efficiency; - Facilitating the supply and use of renewable sources of energy, and of by-products, wastes, residues and other non-food raw material to promote the bio-economy through: investments in the on-farm production and use of renewable energy; pilot projects for improving by-product use; investments in new forestry technologies for the processing of biomass; and investments in renewable energy infrastructures in rural areas; - Reducing nitrous oxide and methane emissions from agriculture through: support for lower use of nitrogen fertilisers; improved livestock management practices (for the treatment of animal wastes); and support for more climate-friendly crop rotation; - Enhancing carbon sequestration and emission reduction in agriculture and forestry through: agro-forestry systems; forest planting and maintenance; climate-friendly management of new and existing forests; establishing or maintaining healthy grassland; and maintaining peatlands.				
OPERATIONAL FUNDING FRAMEWORK				
CONTEXT	PROGRAMMES	PRIORITY AXES/THEMATIC OBJECTIVE	INVESTMENT PRIORITIES	SPECIFIC OBJECTIVES
<u>EUROPEAN</u>	HORIZON2020 LIFE+	P III Environment	5 a)	b a
<u>ETC</u>				
<u>NATIONAL</u>	PT 2020 / PDR	measure 8	Action 8.1. and 8.2.	na
<u>REGIONAL</u>				

CLIMATLANTIC OBJECTIVE 2 - To improve mobility patterns within the Atlantic Area				
CLIMATLANTIC Investment Priority 6. Setting-up of strategic and planning guidelines for public transport and mobility policies inspired by carbon footprint-based land use criteria				
THEMATIC OBJECTIVE EU 2020				
7. Promoting sustainable transport and removing bottlenecks in key network infrastructures				
STRATEGIC FUNDING FRAMEWORK				
EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF) AND COHESION FUND (CF) in Portugal 7. promoting sustainable transport and removing bottlenecks in key network infrastructures: (b) enhancing regional mobility through connecting secondary and tertiary nodes to TEN-T infrastructure; (c) developing environment-friendly and low-carbon transport systems and promoting sustainable urban mobility; (d) developing environment-friendly and low-carbon transport systems and promoting sustainable urban mobility;				
KEY ACTIONS				
EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF) AND COHESION FUND (CF) in Portugal - Innovative road pricing, user charging systems and traffic management, and in fuelling and charging infrastructure for new carbon-free vehicles for urban transport; - Integrated, sustainable and accessible urban mobility concepts in cities, city-regions and metropolitan areas, leading to reduced GHG emissions, in particular through sustainable urban transport plans, including facilitating use of public transport, cycling and walking;				
OPERACIONAL FUNDING FRAMEWORK				
CONTEXT	PROGRAMMES	PRIORITY AXES/THEMATIC OBJECTIVE	INVESTMENT PRIORITIES	SPECIFIC OBJECTIVES
<u>EUROPEAN</u>	URBACT III HORIZON 2020 HORIZON 2020	TO11 PIII PIII	IP1 3 4	SO1/SO2/SO3 a, c a, b, d
<u>ETC</u>	INTERREG EUROPE POCTEP	PA3/TO4 PA3/TO6	IP4e IP6E	SO1 SO2
<u>NATIONAL</u>	PT2020/POSEUR	PA1/TO4	IP4	SO2
<u>REGIONAL</u>	PT/NORTE2020 GALICIA2020	PA3/TO4 PA3/TO4	IP4.5A IP4.5	SO1 SO1

CLIMATLANTIC OBJECTIVE 2 - To improve mobility patterns within the Atlantic Area				
CLIMATLANTIC Investment Priority 7. Implement intelligent infrastructure (both land and space-based) to ensure maximum monitoring and interoperability of the different forms of transport and communication between infrastructure and vehicles				
THEMATIC OBJECTIVE UE 2020				
7. Promoting sustainable transport and removing bottlenecks in key network infrastructures				
STRATEGIC FUNDING FRAMEWORK				
EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF) AND COHESION FUND (CF)				
7. promoting sustainable transport and removing bottlenecks in key network infrastructures:				
<ul style="list-style-type: none"> (a) supporting a multimodal Single European Transport Area by investing in the Trans-European Transport Network; (b) enhancing regional mobility through connecting secondary and tertiary nodes to TEN-T infrastructure; (d) developing environment-friendly and low-carbon transport systems and promoting sustainable urban mobility; 				
KEY ACTIONS				
<ul style="list-style-type: none"> - Core TEN-T infrastructure covering road, rail and sea transport, as well as multimodal and interoperable modes bringing high net benefits to society; - Core TEN-T railway infrastructure, secondary connectivity, upgrading of dense railway networks, the European Rail Traffic Management System (ERTMS) and other investments to improve interoperability, and capacity-building for planning, implementing and managing projects, and for risk and disaster management; - Innovative road pricing, user charging systems and traffic management, and in fuelling and charging infrastructure for new carbon-free vehicles for urban transport; - Integrated, sustainable and accessible urban mobility concepts in cities, city-regions and metropolitan areas, leading to reduced GHG emissions, in particular through sustainable urban transport plans, including facilitating use of public transport, cycling and walking; - The removal of bottlenecks in inland waterways while minimising substantial modifications to riverbeds, and supporting investments to render fleets more environmentally friendly as well as investment in River Information Systems. 				
OPERATIONAL FUNDING FRAMEWORK				
CONTEXT	PROGRAMMES	PRIORITY AXES/THEMATIC OBJECTIVE	INVESTMENT PRIORITIES	SPECIFIC OBJECTIVES
<u>EUROPEAN</u>	CEF URBACT III HORIZON 2020	PA 1/2 / TO7 TO11 PIII	IP 1.2./2.2. IP 1.3./2.3. IP1 4	na na SO1/SO2/SO3 c, d
<u>ETC</u>	INTERREG EUROPE POCTEP	PA3/TO4 PA3/TO6	IP4e IP6E	SO1 SO2
<u>NATIONAL</u>	PT2020/POCI	PA4/TO7	IP7.1	SO1
<u>REGIONAL</u>	PT/NORTE2020 GALICIA2020	PA5/TO7 PA5/TO7	IP7.2 IP7.3	SO1 SO1

CLIMATLANTIC OBJECTIVE 2 - To improve mobility patterns within the Atlantic Area				
<p><u>CLIMATLANTIC Investment Priority</u> 8. Improve the disseminated use of information technologies within the transport domain, mainly by facilitating informational accessibility to transport services, by generalising electronic booking and payment of several travel related services, by ensuring interoperability between stakeholders and by guaranteeing optimisation of flows between them and the external world.</p>				
THEMATIC OBJECTIVE EU 2020				
2. Enhancing access to, and use and quality of, information and communication technologies				
STRATEGIC FUNDING FRAMEWORK				
<p><u>EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF)</u> 2. enhancing access to, and use and quality of, information and communication technologies (b) promoting business R&I investment, product and service development, technology transfer, social innovation and public service applications, demand stimulation, networking, clusters and open innovation through smart specialisation;</p>				
KEY ACTIONS				
<p><u>EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF)</u> - ICT applications that contribute to meeting future societal challenges and opportunities such as eHealth, ageing population, reducing carbon emissions, resource-efficiency, education, eInclusion, energy efficiency, eGovernment, integrated ICT solutions for 'smart cities', consumer information and empowerment; - Investment in the large-scale uptake of ICT-based innovations within and between regions to address key societal challenges.</p>				
OPERATIONAL FUNDING FRAMEWORK				
CONTEXT	PROGRAMMES	PRIORITY AXES/THEMATIC OBJECTIVE	INVESTMENT PRIORITIES	SPECIFIC OBJECTIVES
<u>EUROPEAN</u>	HORIZON 2020 CEF	PIII PA1/2 / TO7	4 IP 1.2./2.2. IP 1.3./2.3.	a, d na na
<u>ETC</u>				
<u>NATIONAL</u>	PT2020/POCI	PA4/T07	IP7.1	SO1
<u>REGIONAL</u>	PT/NORTE 2020 GALICIA2020	PA3/TO4 PA5/TO7 PA3/TO4 PA5/TO7	IP4.5.A IP7.2 IP4.5 IP7.3	SO1 SO1 SO1 SO1

CLIMATLANTIC OBJECTIVE 2 - To improve mobility patterns within the Atlantic Area				
CLIMATLANTIC Investment Priority 9. Develop the use of intelligent systems for interoperable and multimodal scheduling, information, online reservation systems and smart ticketing.				
THEMATIC OBJECTIVE EU 2020				
2. Enhancing access to, and use and quality of, information and communication technologies				
STRATEGIC FUNDING FRAMEWORK				
<u>EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF)</u>				
2. enhancing access to, and use and quality of, information and communication technologies (b) promoting business R&I investment, product and service development, technology transfer, social innovation and public service applications, demand stimulation, networking, clusters and open innovation through smart specialisation;				
KEY ACTIONS				
<u>EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF)</u>				
- ICT applications that contribute to meeting future societal challenges and opportunities such as eHealth, ageing population, reducing carbon emissions, resource-efficiency, education, eInclusion, energy efficiency, eGovernment, integrated ICT solutions for 'smart cities', consumer information and empowerment;				
- Investment in the large-scale uptake of ICT-based innovations within and between regions to address key societal challenges.				
OPERATIONAL FUNDING FRAMEWORK				
CONTEXT	PROGRAMMES	PRIORITY AXES/THEMATIC OBJECTIVE	INVESTMENT PRIORITIES	SPECIFIC OBJECTIVES
<u>EUROPEAN</u>	HORIZON 2020 CEF	PIII PA 1/2 / TO7	4 IP 1.2./2.2. IP 1.3./2.3.	d na na
<u>ETC</u>				
<u>NATIONAL</u>	PT2020/POCI	PA4/TO7	IP7.1	SO1
<u>REGIONAL</u>	PT2020 GALICIA2020	PA3/TO4 PA5/TO7 PA3/TO4 PA5/TO7	IP4.5.A IP7.2 IP4.5 IP7.3	SO1 SO1 SO1 SO1

CLIMATLANTIC OBJECTIVE 2 - To improve mobility patterns within the Atlantic Area				
CLIMATLANTIC Investment Priority 10. Develop and implement efficient decision aid tools to monitor the evolution of mobility (passengers and goods) in each AA territory, to develop perspectives related to Atlantic Area situations according to recent and specific changes and to consolidate global requirements				
THEMATIC OBJECTIVE EU 2020				
7. Promoting sustainable transport and removing bottlenecks in key network infrastructures				
STRATEGIC FUNDING FRAMEWORK				
EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF) <u>Thematic objective 7</u> (c) developing environment-friendly and low-carbon transport systems and promoting sustainable urban mobility;				
COHESION FUND (only in Portugal) <u>Thematic objective 7</u> (ii) developing environment-friendly and low-carbon transport systems including promoting sustainable urban mobility;				
KEY ACTIONS				
<u>COHESION FUND</u> and <u>EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF)</u> - Core TEN-T railway infrastructure, secondary connectivity, upgrading of dense railway networks, the European Rail Traffic Management System (ERTMS) and other investments to improve interoperability, and capacity-building for planning, implementing and managing projects, and for risk and disaster management; - Innovative road pricing, user charging systems and traffic management, and in fuelling and charging infrastructure for new carbon-free vehicles for urban transport;				
OPERATIONAL FUNDING FRAMEWORK				
CONTEXT	PROGRAMMES	PRIORITY AXES/THEMATIC OBJECTIVE	INVESTMENT PRIORITIES	SPECIFIC OBJECTIVES
<u>EUROPEAN</u>	HORIZON 2020	PIII PIII PA 1/2 / TO7	3 4 IP 1.2./2.2. IP 1.3./2.3.	e, f c, d na na
	CEP URBACT III ESPON 2020	TO11 TO11	IP1 IP1	SO1/SO2/SO3 SO1/SO2/SO3
<u>ETC</u>	POCTEP	PA3/TO6	PI6E	SO2
<u>NATIONAL</u>	PT2020/POCI	PA4/TO7	IP7.1	SO1
<u>REGIONAL</u>	PT/NORTE 2020	PA3/TO4 PA5/TO7	IP4.5.A IP7.2 IP4.5	SO1 SO1 SO1
	GALICIA2020	PA3/TO4 PA5/TO7	IP7.3	SO1

CLIMATLANTIC OBJECTIVE 2 - To improve mobility patterns within the Atlantic Area

CLIMATLANTIC Investment Priority

11. Improve connections between long distance and local/regional transport for both passengers and freight. This involves the localisation of hubs, logistics platforms, and the optimisation of their role as decoupling external and internal flow links within Spatial Planning.

THEMATIC OBJECTIVE EU 2020

7. Promoting sustainable transport and removing bottlenecks in key network infrastructures

STRATEGIC FUNDING FRAMEWORK

EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF)

Thematic objective 7

- (a) supporting a multimodal Single European Transport Area by investing in the Trans-European Transport Network (TEN-T) network;
- (b) enhancing regional mobility through connecting secondary and tertiary nodes to TEN-T infrastructure;
- (d) developing comprehensive, high quality and interoperable railway system;

COHESION FUND (only in Portugal)

Thematic objective 7

- (i) supporting a multi-modal Single European Transport Area by investing in the Trans-European Transport Network;
- (iii) developing comprehensive, high quality and interoperable railway systems;

KEY ACTIONS

COHESION FUND and EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF)

- Core TEN-T infrastructure covering road, rail and sea transport, as well as multimodal and interoperable modes bringing high net benefits to society;
- Core TEN-T railway infrastructure, secondary connectivity, upgrading of dense railway networks, the European Rail Traffic Management System (ERTMS) and other investments to improve interoperability, and capacity-building for planning, implementing and managing projects, and for risk and disaster management;
- Integrated, sustainable and accessible urban mobility concepts in cities, city-regions and metropolitan areas, leading to reduced GHG emissions, in particular through sustainable urban transport plans, including facilitating use of public transport, cycling and walking;

OPERATIONAL FUNDING FRAMEWORK

CONTEXT	PROGRAMMES	PRIORITY AXES/THEMATIC OBJECTIVE	INVESTMENT PRIORITIES	SPECIFIC OBJECTIVES
<u>EUROPEAN</u>	HORIZON 2020 CEF	PIII PA 1/2 / TO7	4 IP 1.2./2.2. IP 1.3./2.3.	c na na
<u>ETC</u>				
<u>NATIONAL</u>	PT2020/POCI	PA4/TO7	IP7.1 / IP7.2/ IP7.3	SO1 / SO2 / SO3
<u>REGIONAL</u>	PT/NORTE 2020 GALICIA2020	PA5/TO7 PA5/TO7	IP7.2 IP7.3	SO1 SO1

CLIMATLANTIC OBJECTIVE 2 - To improve mobility patterns within the Atlantic Area				
CLIMATLANTIC Investment Priority				
12. Aim at minimising carbon footprint levels of transport infrastructures for building or renovation activities. This means that local authorities should encourage localisation in suitable areas to look for the best compromise between minimisation of global impact and maximisation of efficiency regarding transport demand.				
THEMATIC OBJECTIVE EU 2020				
4. Supporting the shift towards a low-carbon economy in all sectors				
7. Promoting sustainable transport and removing bottlenecks in key network infrastructures				
STRATEGIC FUNDING FRAMEWORK				
EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF)				
Thematic objective 4				
(e) promoting low-carbon strategies for urban areas;				
Thematic objective 7				
(c) developing environment-friendly and low-carbon transport systems and promoting sustainable urban mobility;				
COHESION FUND (only Portugal)				
Thematic objective 4				
(v) promoting low-carbon strategies for urban areas;				
Thematic objective 7				
(ii) developing environment-friendly and low-carbon transport systems including promoting sustainable urban mobility;				
KEY ACTIONS				
COHESION FUND and EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF)				
- Integrated low-carbon strategies and sustainable energy action plans for urban areas, including public lighting systems and smart grids.				
- Integrated, sustainable and accessible urban mobility concepts in cities, city-regions and metropolitan areas, leading to reduced GHG emissions, in particular through sustainable urban transport plans, including facilitating use of public transport, cycling and walking;				
OPERATIONAL FUNDING FRAMEWORK				
CONTEXT	PROGRAMMES	PRIORITY AXES/THEMATIC OBJECTIVE	INVESTMENT PRIORITIES	SPECIFIC OBJECTIVES
<u>EUROPEAN</u>	HORIZON 2020 URBACT III	PIII TO11	4 IP1	a, b SO1/SO2/SO3
<u>ETC</u>	INTERREG EUROPE POCTEP	PA3/TO4 PA3/TO6	IP4e PI6E	SO1 SO2
<u>NATIONAL</u>	PT2020/POSEUR	PA1/TO4	IP4	SO2
<u>REGIONAL</u>	PT/NORTE 2020 GALICIA2020	PA3/TO4 PA3/TO4	IP4.5.A IP4.5	SO1 SO1

CLIMATLANTIC OBJECTIVE 2 - To improve mobility patterns within the Atlantic Area				
CLIMATLANTIC Investment Priority				
13. Consider urban transportation as an easier way for introducing friendlier carbon footprint based solutions from the point of view of regional and local intervention. At urban level, accessibility and mobility modalities should be wisely combined: better accessibility conditions, increasing the proximity of people to services and equipment's, will tend to better accommodate mobility needs.				
THEMATIC OBJECTIVE UE 2020				
4. Supporting the shift towards a low-carbon economy in all sectors 7. Promoting sustainable transport and removing bottlenecks in key network infrastructures				
STRATEGIC FUNDING FRAMEWORK				
EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF)				
Thematic objective 4: (e) promoting low-carbon strategies for urban areas;				
Thematic objective 7 (c) developing environment-friendly and low-carbon transport systems and promoting sustainable urban mobility;				
COHESION FUND (only in Portugal)				
Thematic objective 4: (v) promoting low-carbon strategies for urban areas;				
Thematic objective 7 (ii) developing environment-friendly and low-carbon transport systems including promoting sustainable urban mobility;				
KEY ACTIONS				
COHESION FUND and EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF)				
- Integrated low-carbon strategies and sustainable energy action plans for urban areas, including public lighting systems and smart grids.				
- Integrated, sustainable and accessible urban mobility concepts in cities, city-regions and metropolitan areas, leading to reduced GHG emissions, in particular through sustainable urban transport plans, including facilitating use of public transport, cycling and walking;				
OPERATIONAL FUNDING FRAMEWORK				
CONTEXT	PROGRAMMES	PRIORITY AXES/THEMATIC OBJECTIVE	INVESTMENT PRIORITIES	SPECIFIC OBJECTIVES
EUROPEAN	HORIZON 2020 URBACT III	PIII PIII TO11	3 4 IP1	b, c a, b SO1/SO2/SO3/SO4
eETC	INTERREG EUROPE POCTEP	PA3/TO4 PA3/TO6	IP4e PI6E	SO1 SO1
NATIONAL	PT2020/POSEUR	PA1/TO4	IP4	SO2
REGIONAL	PT/NORTE 2020 GALICIA2020	PA3/TO4 PA3/TO4	IP4.5.A IP4.5	SO1 SO1

CLIMATLANTIC OBJECTIVE 3 - To control urban and rural sprawl

CLIMATLANTIC Investment Priority

14. Development and implementation of technological tools to incorporate the carbon footprint approach into the spatial planning process including dissemination to the general public.

THEMATIC OBJECTIVE EU 2020

- 4. Supporting the shift towards a low-carbon economy in all sectors
- 6. Protecting the environment and promoting resource efficiency
- 11. Enhancing institutional capacity and an efficient public administration

STRATEGIC FUNDING FRAMEWORK

EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF)

Thematic objective 4

- (e) promoting low-carbon strategies for urban areas;

Thematic objective 6

- (d) protecting biodiversity, soil protection and promoting ecosystem services including NATURA 2000 and green infrastructures;
- (e) action to improve the urban environment, including regeneration of brownfield sites and reduction of air pollution;

Thematic objective 11

Strengthening of institutional capacity and the efficiency of public administrations and public services related to implementation of the ERDF, and in support of actions in institutional capacity and in the efficiency of public administration supported by the ESF.

COHESION FUND (only in Portugal)

Thematic objective 4

- (v) promoting low-carbon strategies for urban areas;

Thematic objective 6

- (iii) protecting and restoring biodiversity, including through green infrastructures;
- (iv) improving the urban environment, including regeneration of brownfield sites and reduction of air pollution

KEY ACTIONS

EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF)

- Support for sustainable integrated urban development, including through sustainable urban drainage, soil desealing measures, rehabilitation of contaminated sites, and rehabilitation of cultural infrastructure.
- Strengthening institutional capacity and the efficiency of public administrations and public services related to the implementation of ERDF and in support of actions in institutional capacity and in the efficient public administration supported by the ESF, including where necessary the provision of equipment and infrastructure to support the modernisation of public services in areas such as employment, education, health, social policies and customs.

COHESION FUND and EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF)

- Integrated low-carbon strategies and sustainable energy action plans for urban areas, including public lighting systems and smart grids.
- Investment in green infrastructure, including in Natura 2000 sites and other territories to promote the protection and restoration of biodiversity and ecosystem services, climate change mitigation and adaptation, protection against floods and fires, coastal protection, soil protection and other risk prevention measures, decrease the fragmentation of natural areas, increase water availability, and restore heavily modified sites and habitats.

OPERATIONAL FUNDING FRAMEWORK

CONTEXT	PROGRAMMES	PRIORITY AXES/THEMATIC OBJECTIVE	INVESTMENT PRIORITIES	SPECIFIC OBJECTIVES
<u>EUROPEAN</u>	HORIZON 2020 LIFE+ URBACT III	PIII PIII Climate Action Climate Action TO11	3 5 a c IP1	a, f a, b, c, d a, b, c, d a, b, c, d SO1/SO2/SO3/SO4
<u>ETC</u>	INTERREG EUROPE POCTEP	PA3/TO4 PA2/TO6	IP4e PI6E	SO1 SO2
<u>NATIONAL</u>				
<u>REGIONAL</u>	PT/NORTE 2020 GALICIA2020	PA3/TO4 PA3/TO4	IP4.5.A IP4.5	SO1 SO1

CLIMATLANTIC OBJECTIVE 3 – To control urban and rural sprawl

CLIMATLANTIC Investment Priority

15. Manage land use in rural areas, by countering residential dispersion and trying to enhance already existing situations of sprawl.

THEMATIC OBJECTIVE EU 2020

- 4. Supporting the shift towards a low-carbon economy in all sectors
- 6. Protecting the environment and promoting resource efficiency

STRATEGIC FUNDING FRAMEWORK

EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF)

Thematic objective 4:

- (e) promoting low-carbon strategies for urban areas;

Thematic objective 6:

- (d) protecting biodiversity, soil protection and promoting ecosystem services including NATURA 2000 and green infrastructures;
- (e) action to improve the urban environment, including regeneration of brownfield sites and reduction of air pollution;

COHESION FUND (Only in Portugal)

Thematic objective 4:

- (v) promoting low-carbon strategies for urban areas;

Thematic objective 6:

- (iii) protecting and restoring biodiversity, including through green infrastructures;
- (iv) improving the urban environment, including regeneration of brownfield sites and reduction of air pollution

KEY ACTIONS

EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF) AND COHESION FUND

- Investment in the wider use of Energy Performance Contracting in the public buildings and housing sectors.
- Energy efficiency and renewable heating and cooling in public buildings, in particular the demonstration of zero-emission and positive-energy buildings, as well as deep renovation of existing buildings to beyond cost-optimal levels;
- Energy efficiency measures and renewable energy use in SMEs (including information campaigns);
- Innovative renewable energy technologies, in particular technologies mentioned in the Strategic Energy Technology Plan and in the Energy Roadmap 2050, along with second- and third-generation biofuels;
- Supporting marine-based renewable energy production, including tidal and wave energy;
- Integrated low-carbon strategies and sustainable energy action plans for urban areas, including public lighting systems and smart grids.

OPERATIONAL FUNDING FRAMEWORK				
CONTEXT	PROGRAMMES	PRIORITY AXES/THEMAT IC OBJECTIVE	INVESTMENT PRIORITIES	SPECIFIC OBJECTIVES
<u>EUROPEAN</u>	URBACT III	TO11	IP1	SO1/SO2/SO3/SO4
<u>ETC</u>	INTERREG EUROPE POCTEP	PA3/TO4 PA2/TO6	IP4e PI6E	SO1 SO2
<u>NATIONAL</u>				
<u>REGIONAL</u>	PT/NORTE 2020 GALICIA2020	PA3/TO4 PA3/TO4	IP4.5.A IP4.5	SO1 SO1

CLIMATLANTIC OBJECTIVE 3 - To control urban and rural sprawl
<p><u>CLIMATLANTIC Investment Priority</u></p> <p>16. Design new guidelines and rules for tourism and leisure facilities and infrastructures to monitor and reduce their GHG emission impacts</p>
THEMATIC OBJECTIVE EU 2020
<p>4. Supporting the shift towards a low-carbon economy in all sectors</p> <p>6. Protecting the environment and promoting resource efficiency</p> <p>11. Enhancing institutional capacity and an efficient public administration</p>
STRATEGIC FUNDING FRAMEWORK
<p><u>EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF)</u></p> <p><u>Thematic objective 4</u></p> <p>(e) promoting low-carbon strategies for urban areas;</p> <p><u>Thematic objective 6</u></p> <p>(d) protecting biodiversity, soil protection and promoting ecosystem services including NATURA 2000 and green infrastructures;</p> <p>(e) action to improve the urban environment, including regeneration of brownfield sites and reduction of air pollution;</p> <p><u>Thematic objective 11</u></p> <p>Strengthening of institutional capacity and the efficiency of public administrations and public services related to implementation of the ERDF, and in support of actions in institutional capacity and in the efficiency of public administration supported by the ESF.</p> <p><u>COHESION FUND (only in Portugal)</u></p> <p><u>Thematic objective 4</u></p> <p>(v) promoting low-carbon strategies for urban areas;</p> <p><u>Thematic objective 6</u></p> <p>(iii) protecting and restoring biodiversity, including through green infrastructures;</p> <p>(iv) improving the urban environment, including regeneration of brownfield sites and reduction of air pollution</p>
KEY ACTIONS
<p><u>EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF)</u></p> <ul style="list-style-type: none"> - Support for sustainable integrated urban development, including through sustainable urban drainage, soil desealing measures, rehabilitation of contaminated sites, and rehabilitation of cultural infrastructure. - Strengthening institutional capacity and the efficiency of public administrations and public services related to the implementation of ERDF and in support of actions in institutional capacity and in the efficient public administration supported by the ESF, including where necessary the provision of equipment and infrastructure to support the modernisation of public services in areas such as employment, education, health, social policies and customs.

COHESION FUND (only in Portugal) and EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF)

- Integrated low-carbon strategies and sustainable energy action plans for urban areas, including public lighting systems and smart grids.
- Investment in green infrastructure, including in Natura 2000 sites and other territories to promote the protection and restoration of biodiversity and ecosystem services, climate change mitigation and adaptation, protection against floods and fires, coastal protection, soil protection and other risk prevention measures, decrease the fragmentation of natural areas, increase water availability, and restore heavily modified sites and habitats.

OPERATIONAL FUNDING FRAMEWORK

CONTEXT	PROGRAMMES	PRIORITY AXES/THEMATIC OBJECTIVE	INVESTMENT PRIORITIES	SPECIFIC OBJECTIVES
<u>EUROPEAN</u>				
<u>ETC</u>	POCTEP	PA3/TO6	PI6E	SO2
<u>NATIONAL</u>				
<u>REGIONAL</u>	PT/NORTE 2020 GALICIA2020	PA3/TO4 PA3/TO4	IP4.5.A IP4.5	SO1 SO1

CLIMATLANTIC OBJECTIVE 3 - To control urban and rural sprawl

CLIMATLANTIC Investment Priority

17. Generate cooperation practices between Atlantic regions by fully respecting their planning institutional and political contexts and by implementing experimental joint planning actions.

THEMATIC OBJECTIVE EU 2020

- 4. Supporting the shift towards a low-carbon economy in all sectors
- 6. Protecting the environment and promoting resource efficiency
- 11. Enhancing institutional capacity and an efficient public administration

STRATEGIC FUNDING FRAMEWORK

EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF)

Thematic objective 4

- (e) promoting low-carbon strategies for urban areas;

Thematic objective 6

- (d) protecting biodiversity, soil protection and promoting ecosystem services including NATURA 2000 and green infrastructures;
- (e) action to improve the urban environment, including regeneration of brownfield sites and reduction of air pollution;

Thematic objective 11

Strengthening of institutional capacity and the efficiency of public administrations and public services related to implementation of the ERDF, and in support of actions in institutional capacity and in the efficiency of public administration supported by the ESF.

COHESION FUND (only in Portugal)

Thematic objective 4

- (v) promoting low-carbon strategies for urban areas;

Thematic objective 6

- (iii) protecting and restoring biodiversity, including through green infrastructures;
- (iv) improving the urban environment, including regeneration of brownfield sites and reduction of air pollution

KEY ACTIONS

EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF)

- Support for sustainable integrated urban development, including through sustainable urban drainage, soil desealing measures, rehabilitation of contaminated sites, and rehabilitation of cultural infrastructure.
- Strengthening institutional capacity and the efficiency of public administrations and public services related to the implementation of ERDF and in support of actions in institutional capacity and in the efficient public administration supported by the ESF, including where necessary the provision of equipment and infrastructure to support the modernisation of public services in areas such as employment, education, health, social policies and customs.

COHESION FUND (only in Portugal) and EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF)

- Integrated low-carbon strategies and sustainable energy action plans for urban areas, including public lighting systems and smart grids.
- Investment in green infrastructure, including in Natura 2000 sites and other territories to promote the protection and restoration of biodiversity and ecosystem services, climate change mitigation and adaptation, protection against floods and fires, coastal protection, soil protection and other risk prevention measures, decrease the fragmentation of natural areas, increase water availability, and restore heavily modified sites and habitats.

OPERATIONAL FUNDING FRAMEWORK

CONTEXT	PROGRAMMES	PRIORITY AXES/THEMATIC OBJECTIVE	INVESTMENT PRIORITIES	SPECIFIC OBJECTIVES
<u>EUROPEAN</u>	HORIZON 2020 URBACT III	PIII TO11	6 IP1	na SO1/SO2/SO3/SO4
<u>ETC</u>	INTERREG EUROPE POCTEP	PA3/TO4 PA2/TO6	IP4e PI6E	SO1 SO2
<u>NATIONAL</u>				
<u>REGIONAL</u>				

CLIMATLANTIC OBJECTIVE 4 - To enhance the role of the Atlantic Façade to reduce GHG emissions at the EU level

CLIMATLANTIC Investment Priority

18. Create logistics organization to inland Europe in order to facilitate transit to/from the gates and the related hubs and platforms, and implement multimodal terminals at sea and river ports and city logistic consolidation centers.

THEMATIC OBJECTIVE UE 2020

7. Promoting sustainable transport and removing bottlenecks in key network infrastructures

STRATEGIC FUNDING FRAMEWORK

COHESION FUND (only in Portugal)

- (i) supporting a multi-modal Single European Transport Area by investing in the Trans-European Transport Network
- (iii) developing comprehensive, high quality and interoperable railway systems

EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF)

- (a) supporting a multimodal Single European Transport Area by investing in the Trans-European Transport Network (TEN-T) network;
- (c) developing environment-friendly and low-carbon transport systems and promoting sustainable urban mobility;
- (d) developing comprehensive, high quality and interoperable railway system

KEY ACTIONS

- Core TEN-T infrastructure covering road, rail and sea transport, as well as multimodal and interoperable modes bringing high net benefits to society;
- Core TEN-T railway infrastructure, secondary connectivity, upgrading of dense railway networks, the European Rail Traffic Management System (ERTMS) and other investments to improve interoperability, and capacity-building for planning, implementing and managing projects, and for risk and disaster management;

OPERATIONAL FUNDING FRAMEWORK

CONTEXT	PROGRAMMES	PRIORITY AXES/THEMATIC OBJECTIVE	INVESTMENT PRIORITIES	SPECIFIC OBJECTIVES
<u>EUROPEAN</u>	HORIZON 2020 CEF	PIII PA1/TO7	4 IP1.2./2.2	a, c na
<u>ETC</u>				
<u>NATIONAL</u>	PT2020/POCI	PA4/TO7	IP7.3-/7.4.	SO1/SO2
<u>REGIONAL</u>				

CLIMATLANTIC OBJECTIVE 4 - To enhance the role of the Atlantic Façade to reduce GHG emissions at the EU level				
CLIMATLANTIC Investment Priority				
19. To reinforce connectivity between harbours and the hinterland.				
THEMATIC OBJECTIVE EU 2020				
7. Promoting sustainable transport and removing bottlenecks in key network infrastructures				
STRATEGIC FUNDING FRAMEWORK				
COHESION FUND (only in Portugal)				
(i) supporting a multi-modal Single European Transport Area by investing in the Trans-European Transport Network				
(iii) developing comprehensive, high quality and interoperable railway systems				
EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF)				
(a) supporting a multimodal Single European Transport Area by investing in the Trans-European Transport Network (TEN-T) network				
(b) enhancing regional mobility through connecting secondary and tertiary nodes to TEN-T infrastructure				
(c) developing environment-friendly and low-carbon transport systems and promoting sustainable urban mobility				
(d) developing comprehensive, high quality and interoperable railway system				
KEY ACTIONS				
<ul style="list-style-type: none"> - Core TEN-T infrastructure covering road, rail and sea transport, as well as multimodal and interoperable modes bringing high net benefits to society; - Core TEN-T railway infrastructure, secondary connectivity, upgrading of dense railway networks, the European Rail Traffic Management System (ERTMS) and other investments to improve interoperability, and capacity-building for planning, implementing and managing projects, and for risk and disaster management - Integrated, sustainable and accessible urban mobility concepts in cities, city-regions and metropolitan areas, leading to reduced GHG emissions, in particular through sustainable urban transport plans, including facilitating use of public transport, cycling and walking; 				
OPERATIONAL FUNDING FRAMEWORK				
CONTEXT	PROGRAMMES	PRIORITY AXES/THEMATIC OBJECTIVE	INVESTMENT PRIORITIES	SPECIFIC OBJECTIVES
<u>EUROPEAN</u>	CEF	PA1/TO7	PI1.1./2.1.	na
<u>ETC</u>				
<u>NATIONAL</u>	PT2020/POCI	PA4/TO7	PI7.1/PI7.2	SO1/SO2
<u>REGIONAL</u>				

CLIMATLANTIC OBJECTIVE 4 - To enhance the role of the Atlantic Façade to reduce GHG emissions at the EU level				
<u>CLIMATLANTIC Investment Priority</u>				
20. Ensure that regulations and conditions to access these gates meet the minimum quality standards and provide quality services (homogeneous in all AA gates) for all types of actors in all types of gates (stations, port, airport) irrespective of gate size and for all type of services (information on travellers, freight handling, etc.).				
THEMATIC OBJECTIVE EU 2020				
7. Promoting sustainable transport and removing bottlenecks in key network infrastructures				
2. Enhancing access to, and use and quality of, information and communication technologies				
STRATEGIC FUNDING FRAMEWORK				
<u>EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF)</u>				
<u>Thematic objective 2</u>				
(b) developing ICT products and services, e-commerce and enhancing demand for ICT;				
<u>Thematic objective 7</u>				
(a) developing environment-friendly and low-carbon transport systems and promoting sustainable urban mobility				
KEY ACTIONS				
- ICT applications that contribute to meeting future societal challenges and opportunities such as eHealth, ageing population, reducing carbon emissions, resource-efficiency, education, eInclusion, energy efficiency, eGovernment, integrated ICT solutions for 'smart cities', consumer information and empowerment;				
- Innovative road pricing, user charging systems and traffic management, and in fuelling and charging infrastructure for new carbon-free vehicles for urban transport;				
- Integrated, sustainable and accessible urban mobility concepts in cities, city-regions and metropolitan areas, leading to reduced GHG emissions, in particular through sustainable urban transport plans, including facilitating use of public transport, cycling and walking;				
OPERATIONAL FUNDING FRAMEWORK				
CONTEXT	PROGRAMMES	PRIORITY AXES/THEMATIC OBJECTIVE	INVESTMENT PRIORITIES	SPECIFIC OBJECTIVES
<u>EUROPEAN</u>	CEF	PA1/TO7	IP1.3./2.3.	na
<u>ETC</u>				
<u>NATIONAL</u>	PT2020/POCI	PA4/TO7	IP7.1./IP7.3./IP7.4	SO1/SO2/SO3
<u>REGIONAL</u>				

CLIMATLANTIC OBJECTIVE 5 - To develop education and communication campaigns to disseminate the carbon footprint reduction approach of the Atlantic Regions

CLIMATLANTIC Investment Priority

21. Develop citizens awareness campaigns, school campaigns and training programs for stakeholders focused on carbon footprint reduction: energy consumption saving, use of public transport, eco-driving, improve alternative energy generation, etc.[]

THEMATIC OBJECTIVE EU 2020

- 4. Supporting the shift towards a low-carbon economy in all sectors
- 6. Protecting the environment and promoting resource efficiency
- 7. Promoting sustainable transport and removing bottlenecks in key network infrastructures
- 11. Enhancing institutional capacity and an efficient public administration

STRATEGIC FUNDING FRAMEWORK

COHESION FUND (only in Portugal)

Thematic objective 4:

- (i) promoting the production and distribution of renewable energy sources;
- (ii) promoting energy efficiency and renewable energy use in small and medium- sized enterprises;
- (iii) supporting energy efficiency and renewable energy use in public infrastructures;
- (iv) developing smart distribution systems at low voltage levels ;
- (v) promoting low-carbon strategies for urban areas;

Thematic objective 7:

- (ii) developing environment-friendly and low-carbon transport systems including promoting sustainable urban mobility;

EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF)

Thematic objective 4:

- promoting the production and distribution of renewable energy sources;
- (b) promoting energy efficiency and renewable energy use in SMEs;
- (c) supporting energy efficiency and renewable energy use in public infrastructures and in the housing sector;
- (d) developing smart distribution systems at low voltage levels;
- (e) promoting low-carbon strategies for urban areas;

Thematic objective 6:

- e) action to improve the urban environment, including regeneration of brownfield sites and reduction of air pollution;

Thematic objective 7:

- (c) developing environment-friendly and low-carbon transport systems and promoting sustainable urban mobility;

Thematic objective 11:

Strengthening of institutional capacity and the efficiency of public administrations and public services related to implementation of the ERDF, and in support of actions in institutional capacity and in the efficiency of public administration supported by the ESF.

EUROPEAN SOCIAL FUND (ESF)

Thematic objective 11:

(ii) Capacity building for stakeholders delivering employment, education and social policies and sectoral and territorial pacts to mobilise for reform at national, regional and local level.

KEY ACTIONS

EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF) AND COHESION FUND

- Investment in the wider use of Energy Performance Contracting in the public buildings and housing sectors.
- Energy efficiency and renewable heating and cooling in public buildings, in particular the demonstration of zero-emission and positive-energy buildings, as well as deep renovation of existing buildings to beyond cost-optimal levels;
- Energy efficiency measures and renewable energy use in SMEs (including information campaigns);
- Innovative renewable energy technologies, in particular technologies mentioned in the Strategic Energy Technology Plan and in the Energy Roadmap 2050, along with second- and third-generation biofuels;
- Supporting marine-based renewable energy production, including tidal and wave energy;
- Integrated low-carbon strategies and sustainable energy action plans for urban areas, including public lighting systems and smart grids.

EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF) AND COHESION FUND

- Investment in the diversification of local economies by protecting and enhancing cultural heritage and landscapes (both in rural and urban contexts);
- Support for sustainable integrated urban development, including through sustainable urban drainage, soil decontamination measures, rehabilitation of contaminated sites, and rehabilitation of cultural infrastructure.
- Investment in efficient water supply, waste-water treatment and water reuse, including new investment in the reduction of leakage and the implementation of River Basin Management Plans;
- Investment in waste management in line with the waste management hierarchy, in particular re-use, recycling and, for non-recyclable materials, recovery;
- Investment in green infrastructure, including in Natura 2000 sites and other territories to promote the protection and restoration of biodiversity and ecosystem services, climate change mitigation and adaptation, protection against floods and fires, coastal protection, soil protection and other risk prevention measures, decrease the fragmentation of natural areas, increase water availability, and restore heavily modified sites and habitats;
- Investment in actions to reduce transport related air pollution, in particular retrofit or replacement programmes for bus fleets, incentive schemes for cleaner transport, improved public transport infrastructure and promotion of alternative forms of transport.

EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF) AND COHESION FUND

- Core TEN-T infrastructure covering road, rail and sea transport, as well as multimodal and interoperable modes bringing high net benefits to society;
- Core TEN-T railway infrastructure, secondary connectivity, upgrading of dense railway networks, the European Rail Traffic Management System (ERTMS) and other investments to improve interoperability, and capacity-building for planning, implementing and managing projects, and for risk and disaster management;
- Innovative road pricing, user charging systems and traffic management, and in fuelling and charging infrastructure for new carbon-free vehicles for urban transport;
- Integrated, sustainable and accessible urban mobility concepts in cities, city-regions and metropolitan areas, leading to reduced GHG emissions, in particular through sustainable urban transport plans, including facilitating use of public transport, cycling and walking;
- The removal of bottlenecks in inland waterways while minimising substantial modifications to riverbeds, and supporting investments to render fleets more environmentally friendly as well as investment in River Information Systems.

EUROPEAN SOCIAL FUND (ESF)

Investment in institutional capacity and in the efficiency of public administrations and public services with a view to reforms, better regulation and good governance:

- reforms to ensure better legislation, synergies between policies and effective management of public policies, and transparency, integrity and accountability in public administration and spending of public funds;
- development and implementation of human resources strategies and policies. Capacity-building for stakeholders delivering employment, education, health and social policies, and sectoral and territorial pacts to mobilise for reform at national, regional and local level:
- enhancing the capacity of stakeholders, such as social partners and non-governmental organisations, to help them delivering more effectively their contribution in employment, education and social policies;
- the development of sectoral and territorial pacts in the employment, social inclusion, health and education domains at all territorial levels.

OPERATIONAL FUNDING FRAMEWORK

CONTEXT	PROGRAMMES	PRIORITY AXES/THEMATIC OBJECTIVE	INVESTMENT PRIORITIES	SPECIFIC OBJECTIVES
<u>EUROPEAN</u>	HORIZON 2020 URBACT III	PIII TO11	5 IP1	^d SO1/SO2/SO3/SO4
<u>ETC</u>	INTERREG EUROPE POCTEP	PA3/TO4 PA3/TO6	IP4e IP6E	SO1 SO2
<u>NATIONAL</u>	PT2020/POSEUR	PA1/TO4	IP4	SO2
<u>REGIONAL</u>	PT/NORTE2020 GALICIA2020	PA3/TO4 PA3/TO4	IP4.3 IP4.3	SO1 SO1

CLIMATLANTIC OBJECTIVE 5 - To develop education and communication campaigns to disseminate the carbon footprint reduction approach of the Atlantic Regions				
CLIMATLANTIC Investment Priority				
22. Create living labs to experiment and demonstrate new carbon footprint reduction practices to citizens.				
THEMATIC OBJECTIVE EU 2020				
-				
STRATEGIC FUNDING FRAMEWORK				
-				
KEY ACTIONS				
-				
OPERATIONAL FUNDING FRAMEWORK				
CONTEXT	PROGRAMMES	PRIORITY AXES/THEMATIC OBJECTIVE	INVESTMENT PRIORITIES	SPECIFIC OBJECTIVES
<u>EUROPEAN</u>	URBACT III	TO11	IP1	SO1/SO2/SO3/SO4
<u>ETC</u>	INTERREG EUROPE POCTEP	PA3/TO4 PA3/TO6	IP4e IP6E	SO1 SO2
<u>NATIONAL</u>	PT2020/POSEUR	PA2/TO5	IP1	SO1
<u>REGIONAL</u>	PT/NORTE2020	PA4/T06	IP6.5	SO1

CLIMATLANTIC OBJECTIVE 5 - To develop education and communication campaigns to disseminate the carbon footprint reduction approach of the Atlantic Regions

CLIMATLANTIC Investment Priority

23. **Develop campaigns to raise awareness about the environmental impacts of urban sprawl, including a badge for planning applications with “Excellent” environmental evaluation, for public display on new developments. This will raise public awareness and provide an incentive for developers to take an extra step forward.**

THEMATIC OBJECTIVE EU 2020

10. Investing in education, skills and lifelong learning

STRATEGIC FUNDING FRAMEWORK

EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF)

Thematic objective 10:

Investing in education, skills and lifelong learning

Developing education and training infrastructure

KEY ACTIONS

EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF)

– Support for investments in education and training infrastructure particularly with a view to reducing territorial disparities and fostering non-segregated education and increasing the responsiveness of education and training systems to evolving patterns of skills needs and demands and complementing ESF measures.

OPERATIONAL FUNDING FRAMEWORK

CONTEXT	PROGRAMMES	PRIORITY AXES/THEMATIC OBJECTIVE	INVESTMENT PRIORITIES	SPECIFIC OBJECTIVES
<u>EUROPEAN</u>	LIFE+ URBACT III	Environment TO11	c IP1	a, b, c, d SO1/SO2/SO3/SO4
<u>ETC</u>	INTERREG EUROPE POCTEP	PA3/TO4 PA3/TO6	IP4e IP6E	SO1 SO2
<u>NATIONAL</u>	PT2020/POSEUR	PA2/TO5	IP1	SO1
<u>REGIONAL</u>	PT/NORTE2020	PA4/TO6	IP6.5	SO1

INVESTMENT PRIORITIES	OPERATIONAL FUNDS																
	LIFE+	HORIZON 2020	ESPN2020	URBACT III	CEF	INTERRREG EUROPE	POCTEP	ATLANTIC AREA	SUDOE	ES 2020	PT 2020/PDR	PT 2020/POCI	PT 2020/POSEUR	ES 2020/POPS	ES 2020/POPCS	NORTE 2020	GALICIA 2020
PRIORITY 1: TO INCREASE THE USE OF RENEWABLE ENERGY AND PROMOTE ENERGY EFFICIENCY																	
1. To disseminate the renewable energies as a key topic to transform a peripheral territory into a core one through economic development based on wind and marine energies																	
2. To explore distributed generation as an alternative for generating new energy resources, reducing energy dependency and fostering citizens' responsibility and environmental education																	
3. To use the public sector as a benchmark of good practices: reduction of energy consumption by 20-30% in 2020 by public authorities, in public buildings, lighting in public spaces, transport, heating and other consumptions.																	
4. Development of energy neutral buildings and equipment's using appropriate material and supervision systems to monitor the life of the infrastructure. Introduction of energy efficiency binding measures in building regulations. Eco-lending, with a low or zero interest rate to rehabilitate buildings subject to energy efficiency norms.																	
5. Implementation of forestry policies to facilitate reduction of GHG emissions through decrease in forest fires																	
PRIORITY 2: TO IMPROVE MOBILITY PATTERNS WITHIN THE ATLANTIC AREA																	
6. Setting-up of strategic and planning guidelines for public transport and mobility policies inspired by carbon footprint-based land use criteria																	
7. Implement intelligent infrastructure (both land and space-based) to ensure maximum monitoring and inter-operability of the different forms of transport and communication between infrastructure and vehicles																	
8. Improve the disseminated use of information technologies within the transport domain, mainly by facilitating informational accessibility to transport services, by generalising electronic booking and payment of several travel related services, by ensuring interoperability between stakeholders and by guaranteeing optimisation of flows between them and the external world.																	
9. Develop the use of intelligent systems for interoperable and multimodal scheduling, information, online reservation systems and smart ticketing.																	
10. Develop and implement efficient decision aid tools to monitor the evolution of mobility (passengers and goods) in each AA territory, to develop perspectives related to Atlantic Area situations according to recent and specific changes and to consolidate global requirements																	
11. Improve connections between long distance and local/regional transport for both passengers and freight. This involves the localisation of hubs, logistics platforms, and the optimisation of their role as decoupling external and internal flow links within Spatial Planning.																	
12. Aim at minimising carbon footprint levels of transport infrastructures for building or renovation activities. This means that local authorities should encourage localisation in suitable areas to look for the best compromise between minimisation of global impact and maximisation of efficiency regarding transport demand.																	

INVESTMENT PRIORITIES	OPERATIONAL FUNDS																
	LIFE+	HORIZON 2020	ESPON2020	URBACT III	CEF	INTERREG EUROPE	POCTEP	ATLANTIC AREA	SUDOE	ES 2020	PT 2020/PDR	PT 2020/POCI	PT 2020/POSEUR	ES 2020/POPSS	ES 2020/POPCS	NORTE 2020	GALICIA 2020
13. Consider urban transportation as an easier way for introducing friendlier carbon footprint based solutions from the point of view of regional and local intervention. At urban level, accessibility and mobility modalities should be wisely combined: better accessibility conditions, increasing the proximity of people to services and equipment's, will tend to better accommodate mobility needs.																	
PRIORITY 3: TO CONTROL URBAN AND RURAL SPRAWL																	
14. Development and implementation of technological tools to incorporate the carbon footprint approach into the spatial planning process including dissemination to the general public.																	
15. Manage land use in rural areas, by countering residential dispersion and trying to enhance already existing situations of sprawl.																	
16. Design new guidelines and rules for tourism and leisure facilities and infrastructures to monitor and reduce their GHG emission impacts																	
17. Generate cooperation practices between Atlantic regions by fully respecting their planning institutional and political contexts and by implementing experimental joint planning actions.																	
PRIORITY 4: TO ENHANCE THE ROLE OF THE ATLANTIC FAÇADE TO REDUCE GHG EMISSIONS AT THE EU LEVEL																	
18. Create logistics organization to inland Europe in order to facilitate transit to/from the gates and the related hubs and platforms, and implement multimodal terminals at sea and river ports and city logistic consolidation centers.																	
19. To reinforce connectivity between harbours and the hinterland.																	
20. Ensure that regulations and conditions to access these gates meet the minimum quality standards and provide quality services (homogeneous in all AA gates) for all types of actors in all types of gates (stations, port, airport) irrespective of gate size and for all type of services (information on travellers, freight handling, etc.).																	
PRIORITY 5: TO DEVELOP EDUCATION AND COMMUNICATION CAMPAIGNS TO DISSEMINATE THE CARBON FOOTPRINT REDUCTION APPROACH OF THE ATLANTIC REGIONS																	
21. Develop citizens awareness campaigns, school campaigns and training programs for stakeholders focused on carbon footprint reduction: energy consumption saving, use of public transport, eco-driving, improve alternative energy generation, etc.																	
22. Create living labs to experiment and demonstrate new carbon footprint reduction practices to citizens.																	
23. Develop campaigns to raise awareness about the environmental impacts of urban sprawl, including a badge for planning applications with "Excellent" environmental evaluation, for public display on new developments. This will raise public awareness and provide an incentive for developers to take an extra step forward.																	

CLIMATLANTIC INVESTMENT PRIORITIES					
PRIORITY 1: TO INCREASE THE USE OF RENEWABLE ENERGY AND PROMOTE ENERGY EFFICIENCY	ESF (FSE)	COHESION FUND	ERDF (FEDER)	EAFRD (FEADER)	EMFF (FEAMP)
1. To disseminate the renewable energies as a key topic to transform a peripheral territory into a core one through economic development based on wind and marine energies		X	X		
2. To explore distributed generation as an alternative for generating new energy resources, reducing energy dependency and fostering citizens' responsibility and environmental education	X	X	X	X	X
3. To use the public sector as a benchmark of good practices: reduction of energy consumption by 20-30% in 2020 by public authorities, in public buildings, lighting in public spaces, transport, heating and other consumptions.	X	X	X		X
4. Development of energy neutral buildings and equipments using appropriate material and supervision systems to monitor the life of the infrastructure. Introduction of energy efficiency binding measures in building regulations. Eco-lending, with a low or zero interest rate to rehabilitate buildings subject to energy efficiency norms.	X	X	X	X	
5. Implementation of forestry policies to facilitate reduction of GHG emissions through decrease in forest fires				X	
PRIORITY 2: TO IMPROVE MOBILITY PATTERNS WITHIN THE ATLANTIC AREA					
6. Setting-up of strategic and planning guidelines for public transport and mobility policies inspired by carbon footprint-based land use criteria		X	X		
7. Implement intelligent infrastructure (both land and space-based) to ensure maximum monitoring and interoperability of the different forms of transport and communication between infrastructure and vehicles		X	X		
8. Improve the disseminated use of information technologies within the transport domain, mainly by facilitating informational accessibility to transport services, by generalising electronic booking and payment of several travel related services, by ensuring interoperability between stakeholders and by guaranteeing optimisation of flows between them and the external world.			X		
9. Develop the use of intelligent systems for interoperable and multimodal scheduling, information, online reservation systems and smart ticketing.			X		
10. Develop and implement efficient decision aid tools to monitor the evolution of mobility (passengers and goods) in each AA territory, to develop perspectives related to Atlantic Area situations according to recent and specific changes and to consolidate global requirements		X	X		
11. Improve connections between long distance and local/regional transport for both passengers and freight. This involves the localisation of hubs, logistics platforms, and the optimisation of their role as decoupling external and internal flow links within Spatial Planning.		X	X		
12. Aim at minimising carbon footprint levels of transport infrastructures for building or renovation activities. This means that local authorities should encourage localisation in suitable areas to look for the best compromise between minimisation of global impact and maximisation of efficiency regarding transport demand.		X	X		
13. Consider urban transportation as an easier way for introducing friendlier carbon footprint based solutions from the point of view of regional and local intervention. At urban level, accessibility and mobility modalities should be wisely combined: better accessibility conditions, increasing the proximity of people to services and equipments, will tend to better accommodate mobility needs.		X	X		

CLIMATLANTIC INVESTMENT PRIORITIES					
PRIORITY 3: TO CONTROL URBAN AND RURAL SPRAWL	ESF	COHESION FUND	ERDF	EAFRD	EMFF
14. Development and implementation of technological tools to incorporate the carbon footprint approach into the spatial planning process including dissemination to the general public.		X	X		
15. Manage land use in rural areas, by countering residential dispersion and trying to enhance already existing situations of sprawl.		X	X		
16. Design new guidelines and rules for tourism and leisure facilities and infrastructures to monitor and reduce their GHG emission impacts		X	X		
17. Generate cooperation practices between Atlantic regions by fully respecting their planning institutional and political contexts and by implementing experimental joint planning actions.		X	X		
PRIORITY 4: TO ENHANCE THE ROLE OF THE ATLANTIC FAÇADE TO REDUCE GHG EMISSIONS AT THE EU LEVEL					
18. Create logistics organization to inland Europe in order to facilitate transit to/from the gates and the related hubs and platforms, and implement multimodal terminals at sea and river ports and city logistic consolidation centers.		X	X		
19. To reinforce connectivity between harbours and the hinterland.		X	X		
20. Ensure that regulations and conditions to access these gates meet the minimum quality standards and provide quality services (homogeneous in all AA gates) for all types of actors in all types of gates (stations, port, airport) irrespective of gate size and for all type of services (information on travellers, freight handling, etc.).			X		
PRIORITY 5: TO DEVELOP EDUCATION AND COMMUNICATION CAMPAIGNS TO DISSEMINATE THE CARBON FOOTPRINT REDUCTION APPROACH OF THE ATLANTIC REGIONS					
21. Develop citizens awareness campaigns, school campaigns and training programs for stakeholders focused on carbon footprint reduction: energy consumption saving, use of public transport, eco-driving, improve alternative energy generation, etc.	X	X	X		
22. Create living labs to experiment and demonstrate new carbon footprint reduction practices to citizens.					
23. Develop campaigns to raise awareness about the environmental impacts of urban sprawl, including a badge for planning applications with “Excellent” environmental evaluation, for public display on new developments. This will raise public awareness and provide an incentive for developers to take an extra step forward.			X		

