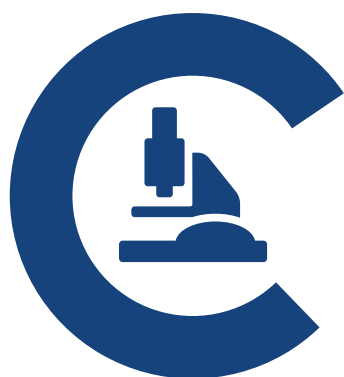


OPERATIONAL
PROGRAMME

ERDF
2014/2020



REGION
OF UMBRIA



THE STRATEGY OF ROP ERDF 2014/2020

On 12 February 2015 the European Commission, with Implementing Decision C (2015) 929, approved the ERDF Operational Programme 2014-2020 of the Region of Umbria making 356.29 million euro available over the next seven years.


The ERDF Operational Programme of the Region of Umbria has been developed in line with the regulatory and normative framework, acknowledging and embracing the principles of the 2014-2020 cohesion policy. The concentration of resources on a limited number of thematic objectives, the focus on results and the adoption of an integrated approach in the use of available resources (EU, national, regional) represent the foundation underlying regional programming for the next seven years.

Through the ERDF Operational Programme 2014-2020, the Region of Umbria intends to support - in light of the requirements identified, the needs revealed by economic and social partnerships, the recommendations of the Council as expressed in the Partnership Agreement and National Reform Programme - the taking of effective actions (in effect "driving impact") designed to foster smart, sustainable and inclusive growth in the region in both the wider national, and European context.

In this context, and in an effort to begin a process of growth and development that can be characterised as "smart, sustainable and inclusive", **the Region of Umbria has taken on such urgent challenges as the specialisation and innovation of the regional system, competitiveness of the production system, protection and enhancement of local resources and sustainable development.**

The ERDF OP 2014-2020, on the basis of a previous decision by the Regional Strategic Framework 2014-2020, has a total budget of EUR 356,293,204.00 of which EUR 178,146,602.00 is to be funded by the European Regional Development Fund, EUR 124,702,622 by the State - under Law 183/87 - and EUR 53,443,980.00 by the Region.

The strategy that underlies the organisation of the current Operational Programme is fully consistent with the need to outline a coherent and incisive development trajectory for the region focused on the three engines of growth identified by the Europe 2020 Strategy to boost the economy of the European Union (smart, sustainable and inclusive growth).



In summary, the strategy outlined within the scope of the ERDF Operational Programme aims to:

- strengthen research, technological development and innovation (thematic objective 1): research and innovation, in the broadest sense, represent an important opportunity to launch the regional economic system onto a global scene, promoting qualified employment and the activation of intensive knowledge initiatives that are in keeping with defined regional smart specialisation strategies;
- enhance access to, as well as the use and quality of ICT (thematic objective 2): the computerisation of processes and the boosting of access to ICT are essential elements for the implementation of the Regional Strategy for smart, sustainable and inclusive growth. This thematic objective is a transversal line of action for all selected thematic objectives;
- enhance the competitiveness of SMEs (thematic objective 3): the structural fragility of the Umbrian enterprise system and the difficulties posed by the crisis require adequate recovery measures and the capitalising on the best of regional aspects and potential of the production system to build organised and structured networks, agreements and collaboration among companies;
- support the shift towards a low-carbon economy in all sectors (thematic objective 4): the importance attributed to a green economy in the regional context is combined with the objectives of sustainable growth promoted by the Programme, particularly for the promotion of energy efficiency, the use of renewable energy sources and smart and sustainable transport systems;
- preserve and protect the environment and promote the efficient use of resources (thematic objective 6): support for the implementation of integrated measures for the enhancement of environmental and cultural resources, and the relative supply chain pursued by the ERDF ROP aims to favour access to regional assets by promoting innovative forms of public-private relationships.



THE STRUCTURE OF THE ROP ERDF 2014-2020

The strategy adopted by the ERDF Operational Programme focuses on 5 of the 11 thematic objectives in art. 9 of Regulation (EU) 1303/2013, with a **concentration of 84.5% of the resources on the first 4 thematic objectives.**

The ERDF Operational Programme has, therefore, been articulated into 7 Priority Axes as follows:

NUMBER	AXIS	SUM
I	Research and Innovation	28.6% of resources equal to 101,834,404 euro
II	Digital Growth	9% of resources equal to 31,951,680 euro
III	SME Competitiveness	24% of resources equal to 85,507,200 euro
IV	Sustainable Energy	15.7% of resources equal to 55,960,120 euro
V	Environment and Culture	10.1% of resources equal to 35,972,200 euro
VI	Sustainable Urban Development	8.6% of resources equal to 30,816,400 euro
VII	Technical Assistance	4% of resources equal to 14,251,200 euro
		TOTAL 356,293,204 euro

Each thematic objective (axis) is divided into one or more specific objectives (SO) and the relative expected results to which the actions to be taken are correlated and to be co-financed by the Programme. The specific objectives and related actions are measured by a set of implementation and performance indicators.



7	Thematic Axes	
26	Specific Objectives (SO)	<i>SO: These explain the reasons for intervention (expected results)</i>
31	Actions	<i>Actions: Means with which to reach the expected results</i>
86	Implementation and performance indicators	<i>Indicators: Instruments with which the implementation of policies can be measured</i>



AXIS I

Research and innovation



Budget: Euro 101,834,404.00 (equal to 28.6% of total ROP resources)

The themes of research, development and innovation, within the framework of the Regional Strategy of smart specialisation for research and innovation – Smart Specialisation Strategy (RIS3), represent the cornerstones of the Programme.

The financial budget of thematic objective I (Axis I), with resources amounting to nearly 1/3 of the total cost of the OP (28.6%), was set in order to close the distance between Umbria and the Europe 2020 target, and that of the PNR target as regards the regional reference framework: though not a leader in innovation, Umbria does exhibit certain qualities that – as part of a strategy for smart growth – require support in order to innovate and project itself into a broader context. This choice appears to be in line with the importance that the Region has attributed to the strengthening of the regional system of research and innovation, and is closely related to the policies for competitiveness outlined in AXIS III.

Specific objectives and actions

1. An increase in the innovation of enterprises

- Support for the economic value of innovation through experimentation and the adoption of innovative solutions in processes, products and organisational formulas, as well as through financing the industrialisation of research results

2. Strengthening of the regional and national innovation system

- System actions to foster the participation of the actors of the territories in platforms for dialogue and national networks of technological specialisation, such as National Technological Clusters and projects financed with other European programmes for research and innovation (such as Horizon 2020)
- Support for the creation of complex research and development projects regarding concentrated thematic areas of interest, and the application of technological solutions functional to the realisation of S3 strategies

3. An increase in the incidence of innovative specialisation in knowledge-intensive application perimetres

- Support for the creation and consolidation of innovative start-ups of knowledge-intensive applications, and spin-off initiatives

4. Promotion of new markets for innovation

- Support for the generation of innovative solutions to specific problems of social relevance, including the use of open innovative environments such as Living Labs

Main beneficiaries

Micro, SME and large enterprises in collaboration with the National Technological Clusters, public and private research centres, local authorities, regional companies and agencies



AXIS II Digital Growth



Budget: Euro 31,951,680.00 (equal to 9% of total ROP resources)

This objective is a key and transverse component of the Programme's strategy, underlying all thematic objectives assumed by the OP. The Region, through the adoption of the Telematic Plan of Umbria, will support the completion of the area's infrastructure, as well as take steps to ensure the spread of e-government, e-procurement and e-commerce, with the objective of "putting the Umbrian system online" (which is threatened by excessive fragmentation) and providing citizens with more efficient and accessible business and PA services.

Specific objectives and actions

I. Reduction of digital variances in the territories and the diffusion of wideband and ultra wide band connectivity (European "Digital Agenda")

- Contribute to the implementation of the "Project for a Strategic Digital Agenda for Ultra Wide Band" and other actions aimed at enabling a connection of at least 30 Mbps, thereby accelerating implementation in production, rural and internal areas and respecting the principle of technological neutrality in permitted areas in accordance with Community norms
2. Boosting ICT demand by citizens and businesses in terms of their use of online services, digital inclusion and participation in the network
- Technological solutions for digital inclusion and literacy, for the acquisition of advanced ICT competency (e-skills), as well as for stimulating the diffusion and use of the web, public digital services and instruments of dialogue, cooperation and civil participation online (open government) with particular reference to disadvantaged citizens and to internal and rural areas
3. Computerisation of administrative procedures and the spread of fully interoperable digital services
- Technological solutions and computerisation for the innovation of internal procedures of various environments in Public Administration in the context of the Public Connectivity System regarding, for example, health, tourism, activities of cultural heritage, business services

Main beneficiaries

Public institutions, the Region of Umbria, the in-house company (CentralCom Spa or Consortium Umbria Digitale), municipal administrations and their associated forms, consortiums and other public entities, educational institutions and universities in the territory



AXIS III SME Competitiveness



Budget: Euro 85,507,200.00 (equal to 24% of total ROP resources)

In view of the structural characteristics of the regional production system and the needs associated with the contingent economic and financial situation, the need to promote and stimulate the competitiveness of the economy and production system in Umbria is evident. In this sense, the OP has set out to stimulate a greater willingness to invest in the production system and the consolidation and diversification of local production systems through increased access to credit, or through the promotion of operations which predominantly enable existing Umbrian enterprises to "survive" the challenges that the current climate has posed, and at the same time "evolve", "become competitive" and "open up" in international markets.

Specific objectives and actions

1. Employment and production development in local areas affected by the widespread crisis of production activities
 - Support interventions to local areas affected by the widespread crisis of production activities, aimed at mitigating the effects of industrial transition on individuals and businesses.
2. Consolidation, modernisation and diversification of local production systems
 - Support for the development of complementary products and services to enhance selected cultural and natural attractions in the area, including the integration of supply chains among businesses associated with culture, travel, the creative and performing arts, and traditional and typical product chains.
 - Support for processes of aggregation and integration between enterprises (business networks) in the development of an integrated product for tourist destinations (including the experimenting with innovative models such as dynamic packaging, marketing, networking, tourism information systems, customer relationship management)
3. Increased level of internationalisation of production systems
 - Plans for the promotion of exports designated for enterprises and their aggregate forms as identified on the basis of territory or sector
4. Relaunching of investments in the production system
 - Aid for investments in machinery, equipment and intangible assets and accompanying processes of company reorganisation and restructuring
5. Dissemination and strengthening of economic activities with a social content
 - Support for the launching and strengthening of business activities that produce socially desirable effects and public assets that are not produced by the market
6. Increased access to credit, financing of businesses
 - Improving the public loan and guarantee systems in terms of efficiency and efficacy for the extending of credit, fostering synergy between the national and regional systems of guarantee and favouring forms of rationalisation that build greater trust.
 - Contribution to the development of the risk capital market for start-up businesses in the early pre-seed and seed stages

Main beneficiaries

Companies which are located in the already identified crisis areas; Cultural and creative organisations; Temporary Association of Companies (ATI-Associazioni Temporanee di Imprese); SME groupings with a legal form of "network contract"; Consortiums; Limited Liability Consortiums; Tourism businesses (accommodation and travel agencies).

Companies and business combinations (networks, clusters, innovation poles etc.).

SMEs; Private social enterprises such as social cooperatives, social and non-profit enterprises.

Entities governed by public or private law to be selected by public tender.



AXIS IV

Sustainable energy



Budget: Euro 55,960,120.00 (equal to 15.6% of total ROP resources)

To contribute to the achievement of the targets regarding the indicators of Europe 2020 in the field of sustainable energy (energy savings and an increase of renewable sources), the ERDF Operational Programme, consistent with the Preliminary Document of the Regional Environmental Energy Strategy 2014-2020 (Committee Resolution no. 1493 of 16.12.2013), aims to foster: i) a reduction in overall gross consumption of energy by taking measured actions to increase energy efficiency in the end use and the reduction of waste in residential sectors, public buildings, the industrial and service sectors as well as the integration of renewable energy sources; ii) a reduction in energy consumption and emissions by businesses and the integration of renewable sources; iii) an increase of the share of energy needs covered by distributed generation through the development and implementation of smart distribution systems; iv) an increase in sustainable mobility in urban areas.

Specific objectives and actions

I. A reduction in energy consumption and emissions from businesses and the integration of renewable energies

- Incentives for reducing energy consumption and greenhouse gas emissions of companies and production areas, including the installation of a system for energy production from renewable sources for self-consumption, giving priority to high-efficiency technologies

2. A reduction in energy consumption in public buildings and structures, or those that are open to the public (residential and non-residential), and the integration of renewable energy sources

- Promotion of eco-efficiency and the reduction of primary energy consumption in public buildings and structures: restoration of individual buildings or complexes of buildings, installation of intelligent remote monitoring, regulation, management, monitoring and optimisation of energy consumption (smart buildings) and a reduction of air pollutant emissions through the use of a mix of technologies

3. An increase in the amount of energy needs covered by the generation of energy distributed by developing and implementing smart distribution systems

- Realisation of smart energy distribution networks (smart grids) and interventions on strictly complementary transmission networks aimed at directly increasing the distribution of energy produced by renewable sources, the introduction of equipment fitted with digital communication systems, intelligent measuring, checking and monitoring of "cities" and peri-urban areas

4. Higher sustainable mobility in urban areas

- Renewal of rolling stock

Main beneficiaries

SMEs and large companies.

Regions, local administrations, public entities, public health and hospital authorities, Regional Agencies, Management Companies for networks of transmission distribution, local administrations that own power plants fueled with non-programmable renewable sources (limited to storage systems)

Regions, municipal administrations, the local Public Transport Management, public and private entities that provide local public transport services and who are also providers of services to the companies subject to the rules of the Service Contract however assigned, and that manage fleets of vehicles.



AXIS V Environment and culture



Budget: Euro 35,972,200.00 (equal to 10.1% of total ROP resources)

In light of Umbria's remarkable environmental and cultural heritage, and for the purposes of integrated enhancement of resources and territorial jurisdiction, the Programme's strategy is to improve the conditions and standards of the supply and use of cultural and natural heritage resources.

Specific objectives and actions

1. Improvement in the conditions and standards of the supply and use of natural resources in the areas of interest

- Interventions for the protection and redevelopment of areas of strategically relevant natural interests (protected areas on land and at sea, protected landscapes) that will reinforce and promote processes of development

2. Improvement in the conditions and standards of the supply and use of cultural resources in the areas of interest

- Interventions for the protection, enhancement and establishment of a network for cultural heritage, both tangible and intangible, in the areas of relevant and strategic interest so as to consolidate and promote processes of development

3. Competitive repositioning of tourist destinations

- Support for the integrated use of cultural and natural resources and the promotion of tourist destinations

Main beneficiaries

The Region of Umbria, local authorities, AFOR (Regional Forest Agency).
Public institutions and their associated forms and SMEs.



AXIS VI

Sustainable urban development



Budget: Euro 30,816,400.00 (equal to 8.6% of total ROP resources)

The Region of Umbria is taking this opportunity to create an axis with which to face the economic, environmental, climatic, demographic and social challenges of the urban areas. Umbria, though presenting a picture of widespread settlement, shows patterns of concentration of the population and the presence of high-ranking services to large areas in some noted urban centres in accordance with the Partnership Agreement, based on qualitative and quantitative criteria; these areas are: Perugia, Terni, Foligno, Citta di Castello and Spoleto, all realities, albeit with demographic, economic and social differences, which have the characteristic of being, in their contexts, poles of attraction and the driving force for the development of a large area, potential "laboratories of the future", points of attack and necessary factors in the strengthening of the capacity for innovation in the entire region.

To this end, the Region has chosen to promote the five urban centres that are the most innovative, efficient and sustainable for living and working, thereby strengthening - according to the paradigm of smart cities - the potential through more sustainable and intelligent mobility and the development of digital services by promoting better accessibility and usability of the production functions and advanced services, also acting on cultural engines.

Specific objectives and actions

I. Computerisation of administrative processes and delivery of fully interoperable digital services

- Technological solutions for the implementation of interoperable e-government services, integrated (joined-up services) and designed together with citizens and businesses, applications of e-procurement and integrated solutions for smart cities and communities.

2. Reduction in energy consumption in public buildings and structures for public use, residential and non-residential and the integration of renewable energy sources

- Adoption of technological solutions for the reduction of energy consumption of the public lighting networks by promoting the installation of automated control systems (brightness sensors, remote control systems and remote management of the energy grid).

3. An increase in sustainable mobility in urban areas

- Construction of infrastructure and interchanges aimed at increasing collective mobility and the distribution of environmentally friendly goods and related transport systems
- Smart transport systems

4. Improving conditions and standards of the supply and use of cultural heritage resources in the areas of interest

- Interventions for the protection, enhancement and establishment of an online network for cultural heritage resources, both tangible and intangible, in the areas of relevant and strategic interest so as to consolidate and promote processes of development

Main beneficiaries

The beneficiaries of this action are the public entities of the selected urban settings and the in-house company Umbria Digitale, the management of local public transport and infrastructures.

AXIS VII

Technical assistance



Budget: Euro 14,251,200.00 (equal to 4% of total ROP resources)

The improvement of the administrative capacity of the bodies involved in the implementation and management of the Programme is a key element in ensuring achievement of the established objectives and results. Axis VII deals with technical assistance in support of management, monitoring, evaluation, information / communication and control of the ROP aimed at ensuring effective and efficient implementation.

Specific objectives and actions

1. Increased levels of efficiency in the implementation of the programme and the capacity of the bodies involved

- Technical assistance and support dedicated to the management, monitoring and surveillance of the OP
- Evaluation

2. Increased levels of transparency and visibility of the ROP ERDF 2014-2020

Information and publicity

Main beneficiaries

Managing authorities and bodies involved in the programme.



THE REGIONAL STRATEGY OF RESEARCH AND INNOVATION FOR THE SMART SPECIALISATION OF THE REGION OF UMBRIA

Investment in research and technological innovation is one of the cornerstones of cohesion policy for the programming phase 2014-2020 to boost competitiveness and promote regional development processes.

The European Union has requested that all regions develop a strategy for research and technological innovation for smart specialisation (Smart Specialisation Strategy - RIS3), which allows for the more efficient use of structural funds and enhances synergies among EU, national and regional policies, as well as between public and private investments.

The Region of Umbria immediately took the RIS3 as **an opportunity/a challenge to take on** to define a unitary and complete regional innovation strategy to support, within the limits of their means, a change in socio-economic conditions in the region.

The document, **which was adopted by Regional Council Resolution no. 888 of 16 July 2014**, represents the roadmap for embarking on a path of change towards a more open development model, entrepreneurial yet specialised, aimed at **activating local potential by leveraging regional assets and talent, through access to the results of the research and the promotion of new entrepreneurship**.

The priority areas that will be enhanced by RIS3 are those of agribusiness, life sciences, green chemistry, energy and smart factory / aerospace industry. For these fields, the region has observed not only high and consolidated specialisation, but also a potential competitive advantage and external / international recognition. **Moreover, during the consultation process undertaken with the regional economic and social partners, the necessity emerged of not excluding sectors of intervention relative to the creative and high-tech industries, as well as the traditional sectors of the production system and tourism.** Digital growth and ICT represent a transverse and crucial part of the regional Strategy of smart specialisation.

The RIS3 Umbria is the result of a process of deliberation initiated in 2012 with regional actors - who, from territorial indications, debated on the role of research and innovation and on the impact that these policies have on Umbria, and contributed to the identification of levers on which to concentrate in order to build a sustainable competitive advantage for the territory ("**expected results**") and the most appropriate instruments with which to support this transformation.

To ensure a unified regional strategy in the field of research and innovation and to focus resources on the priorities identified, RIS3 recognizes **five priority levers** that correspond with actions and targeted tools that will be activated at the level of the Regional Operational Programmes 2014-2020 (European Regional Development Fund, European Social Fund and the European Agricultural Fund for Rural Development). The 5 priority levers are:

- To support the evaluation of research results achieved in the region;
- To support the use of research results conducted in Italy and abroad by SMEs;
- To promote and support new knowledge-based entrepreneurship aimed at international markets;
- To promote processes of continuous and widespread innovation;
- To develop systems of innovative services to improve the quality of citizens' lives.

ERDF 2014/2020

The following table highlights the correlation between the “expected changes” and the “levers” or variables on which it will be necessary to act through targeted measures and instruments.

EXPECTED RESULTS	LEVERS ON WHICH TO ACT
<p>Development of a culture of research evaluation. Downstream integration of research with the system of the companies.</p>	<p>1. To support the evaluation of research results achieved in the region</p>
<p>Territorial growth of innovative supply chains. Greater openness towards international markets. Strengthening of higher value-added components of the supply chain.</p>	<p>2. To support the use of research results conducted in Italy and abroad by SMEs</p>
<p>Increase of entrepreneurial culture with emphasis on knowledge-intensive sectors. Greater weight of non-traditional sectors in the regional economy. Attract more talented and qualified professionals.</p>	<p>3. To promote and support new knowledge-based entrepreneurship aimed at international markets</p>
<p>Greater fusion (related variety) among enterprises that are active in different fields. Increase in diversification in terms of service products. Increase in efficiency (productivity) of regional companies. Increase in market competitiveness.</p>	<p>4. To promote continuous and widespread innovation processes</p>
<p>Improving the quality of life. Increase in the attractiveness of the territory.</p>	<p>5. Develop innovative systems to improve the quality of the citizens' lives</p>



THE TERRITORIAL DIMENSION

The new cohesion policy better recognises (and with more emphasis) the role of cities and regions in European regional development, taking polycentrism as a central value in a system built on the one hand, by strong metropolitan regions and, on the other hand, other urban areas that can provide good access to services of general economic interest. A system enriched by cities and neighbouring urban areas where about 70% of the European population live and to which 2/3 of the laws of the EU are referred and consequently, regard economic, social and environmental matters. It is no coincidence that the Urban Agenda Europea²⁷ with European Digital Agenda, are two of the founding documents of the Europe 2020 strategy, whose national and local variations represent the point of reference for actions and interventions to be taken through the cohesion policies of 2014-2020.

The choices made by the Region for the EU programming phase 2014-2020 - in line with the general approach of the EU regulations and the Partnership Agreement presented by the government - are characterised by a strong push towards a territorial approach in how to use the EU funds for 2014-2020. It is an orientation which results in the definition of strategies and correlated actions that, precisely because of their ability to integrate, are able to more effectively promote regional development and better achieve the established objectives and expected results.

This territorial approach is particularly evident in the strategies of the Urban Agenda and Internal areas, the main territorial emphasis expected by the cohesion policies and that are also included in the Regional Strategic Framework 2014-2020.

Both strategies require, in the selected cities and territories, that action be taken by programmes providing action and intersectoral interventions, financed by various funds, and to be implemented in conjunction with a number of organisations.

The territorial dimension in the scope of the ERDF will be developed in relation to the following aspects:

I. Sustainable urban development

5 integrated interventions in the selected cities are expected, and will be implemented with an Axis specifically dedicated to urban development.

With the Urban Agenda, the EU has sought to highlight the emphasis on sustainable urban development and the value of integrated actions. With the 2014-2020 programming, therefore, greater involvement on the local level has been recognised as a means of developing a closer dialogue with those urban areas which represent the main hope for recovery in the economy, and that have increasingly been recognised as laboratories of effective, innovative and rich experimentation in recent years.

It is a true Urban Agenda which sees the five urban areas of Perugia, Terni, Foligno, Citta di Castello and Spoleto as the main engines of economic development.

A transversal objective since the cities are where productive and social innovation, the mobility of people and physical and intellectual capital are concentrated, and are places of connectivity, creativity, culture and innovation. At the same time, they serve to address economic problems, conflicts and social inequalities.



The OP will implement investments in the 5 urban centres of Perugia, Terni, Foligno, Spoleto and Città di Castello.

In those areas, the Urban Agenda in the ROP will focus on:

- digital innovation of Public Administration (TO2)
- energy efficiency and sustainable mobility (TO4)
- enjoyment of cultural attractions and their going online (TO6)

2. Strategies for the internal areas

Three areas have been identified for the implementation of the strategies for the inland areas.

In line with the approach sponsored at the national level – the Partnership and Legal Stability Agreement 2014 – paragraphs 13-17 – The Region of Umbria has taken a path of shared and reasonable measures with which to identify the Internal Areas of the region. This path has also included special meetings with the competent ministerial structures in order to better define the areas and the reasons behind those choices. In light of the analysis and the first mappings, three internal areas have been identified:

- The NORTHEAST Area: corresponding to the Apennines, on the border with Marche (the municipalities Pietralunga, Montone, Gubbio, Scheggia, Pascelupo, Costacciaro, Sigillo, Fossato di Vico, Gualdo Tadino, Nocera Umbra and Valfabbrica); the strategy concerns all the listed areas, while the project area is limited to the following seven areas: Pietralunga, Montone, Scheggia and Pascelupo, Costacciaro, Sigillo, Nocera Umbra and Valfabbrica;
- The SOUTH WEST Area: corresponding to the communities of the Orvieto area bordering Tuscany and Latium (the municipalities of Città della Pieve, Monteleone di Orvieto, Montegabbione, Parrano, San Venanzo, Ficulle, Fabro, Allerona, Castel Viscardo, Castel Giorgio, Orvieto, Porano, Baschi, Montecchio, Guardea, Alviano, Lugnano on the Tiber, Attigliano, Giove and Penna in Teverina);
- The VALNERINA Area: corresponding to municipalities in the South Eastern Apennines (municipalities of Cascia, Cerreto di Spoleto, Monteleone di Spoleto, Norcia, Poggiodomo, Preci, Sant'Anatolia di Narco, Scheggino, Vallo di Nera, Ferentillo, Arrone, Polino, Montefranco and Sellano).


As part of an integrated approach of territorial development (implemented with the participation of national resources and the Operational Programmes ERDF, ESF and EAFRD), the ERDF will support the regional strategy of the inner areas, allocating to it a market share of at least 1% of the overall resources of the OP.


As part of the urban dimension, consideration will be given to settings of particular environmental value, such as the Trasimeno and Piediluco basin, for interventions of enhancement and development, including the use of instrumentation provided for this purpose in the Regulations.


**TABLE -
PRIORITY AXES, INVESTMENT
PRIORITIES, EXPECTED RESULTS
AND KEY ACTIONS FOR THE ERDF**




AXIS I:	INVESTMENT PRIORITIES (art. 5 (EU) Reg. I30I/20I3)	EXPECTED RESULTS	KEY ACTIONS
<p style="text-align: center;">RESEARCH AND INNOVATION 101,834,404 euro (28.6%)</p> 	<p>b) To encourage company investments in R&I (Research and Innovation) developing connections and synergies among businesses, centres of research and development and the sector of higher education; in particular, to promote investments in the development of products and services, the transferring of technologies, social innovations, eco-innovation, applications in public services, the stimulation of demand, networks, clusters and open innovation by means of smart specialisation, as well as sustaining technological and applied research, pilot production lines, evaluation procedures, actions of early product evaluation, advanced manufacturing capacities and first production, etc.</p>	<p>I.1 An increase in the innovation of enterprises</p>	<p>I.1.I Support for the economic value of innovation through experimentation and the adoption of innovative processes in products and organisational formulas, as well as through financing the industrialisation of research results [preferred targets are businesses of medium and large dimensions]</p>
		<p>I.2 Consolidation of the regional and national innovation system and improved cooperation between companies and research facilities and their strengthening</p>	<p>I.2.I System actions to foster the participation of the actors of the territories in platforms for dialogue and national networks of technological specialisation, such as National Cluster Technologies and projects financed with other European programs for research and innovation (such as Horizon 2020)</p> <p>I.2.2 Support for the creation of complex research and development projects regarding concentrated thematic areas of interest, and the application of technological solutions functional to the realisation of S3 strategies</p>
		<p>I.3 An increase in the incidence of innovative specialisation in knowledge-intensive application perimetres</p>	<p>I.3.I Support for the creation and consolidation of innovative start-up knowledge-intensive applications, and spin-off initiatives in research areas in keeping with the strategies of smart specialisation [including the promotion of pre-seed and seed stage policies, and through the use of venture capital instruments]</p>
		<p>I.4 Promotion of new markets for innovation</p>	<p>I.4.I Support for the generation of innovative solutions to specific problems of social relevance, including the use of open innovative environments such as Living Labs</p>


AXIS 2	INVESTMENT PRIORITIES (art. 5 (EU) Reg. I30I/2013)	EXPECTED RESULTS	KEY ACTIONS
<p style="writing-mode: vertical-rl; transform: rotate(180deg);"> DIGITAL GROWTH 31.951.680 euro (9,0%) </p> 	<p>a) To extend broadband transmission, the launch of high speed networks and support for the adoption of networks and emerging technologies in areas of the digital economy</p>	<p>2.1. Reduction of digital variances in the territories and the diffusion of wideband and ultra wide band connectivity (European "Digital Agenda")</p>	<p>2.1.1 Contribute to the implementation of the "Project for a Strategic Digital Agenda for Ultra Wide Band" and other actions aimed at enabling a connection of at least 30 Mbps, thereby accelerating implementation in production, rural and internal areas and respecting the principle of technological neutrality in permitted areas in accordance with Community norms</p>
	<p>b) To develop products and ICT services, electronic sales and ICT demand</p>	<p>2.2 Boosting ICT demand by citizens and businesses in terms of their use of online services, digital inclusion and participation in the network</p>	<p>2.2.1 Technological solutions for digital inclusion and literacy, for the acquisition of advanced ICT competency (e-skills), as well as for stimulating the diffusion and use of the web, public digital services and instruments of dialogue, cooperation and civil participation online (open government) with particular reference to disadvantaged citizens and to internal and rural areas.</p>
	<p>c) To reinforce and consolidate ICT applications for e-government, e-learning, e-inclusion, e-culture and e-health</p>	<p>2.3 Computerisation of administrative procedures and the spread of fully interoperable digital services</p>	<p>2.3.1 Technological solutions and computerisation and innovation of internal procedures of various environments in Public Administration in the context of the public connectivity system regarding, in particular, health, tourism, activities of cultural heritage and business services</p>

AXIS 3	INVESTMENT PRIORITIES (art. 5 (EU) Reg.1301/2013)	EXPECTED RESULTS	KEY ACTIONS
<p style="writing-mode: vertical-rl; transform: rotate(180deg);"> SME COMPETITIVENESS 85.507.200 euro (24%) </p> 	<p>b) To develop and implement new business models for SMEs, in particular regarding internationalisation</p>	<p>3.1 Employment development and production in local areas affected by the widespread crisis of production activities</p>	<p>3.1.I Support interventions to local areas affected by the widespread crisis of production activities, aimed at mitigating the effects of industrial transitions on individuals and businesses.</p>
		<p>3.2 Consolidation, modernisation and diversification of local production systems</p>	<p>3.2.I Support for the development of complementary products and services to enhance selected cultural and natural attractions in the area, including through the integration of supply chains among businesses associated with culture, travel, the creative and performing arts, and traditional and typical product chains. 3.2.2 Support for processes of aggregation and integration between enterprises (business networks) in the development of an integrated product for tourist destinations (including experimentation with innovative models such as dynamic packaging, marketing, networking, tourism information systems, customer relationship management)</p>
		<p>3.3 An increase in the level of internationalisation of production systems</p>	<p>3.3.I Plans for the promotion of exports, designated for enterprises and their aggregate forms as identified on the basis of territory or sector</p>
	<p>c) To support the creation and amplification of advanced capacities of products and services</p>	<p>3.4. Relaunching of the investments in the production system</p>	<p>3.4.I Aid for investments in machinery, equipment and intangible assets and accompanying processes of company reorganisation and restructuring</p>
		<p>3.5 Dissemination and strengthening of economic activities with a social content</p>	<p>3.5.I Support for the launching and strengthening of business activities that produce socially desirable effects and public assets that are not produced by the market</p>
	<p>d) To support the efforts of SMEs to grow in regional, national and international markets and take part in the processes of innovation</p>	<p>3.6 Increased access to credit, financing of businesses</p>	<p>3.6.I Improving the public loan and guarantee systems in terms of efficiency and efficacy for the extending of credit, fostering synergy between the national and regional systems of guarantee and favouring forms of rationalisation that build greater trust. 3.6.2 Contribution to the development of the risk capital market for start-up businesses in the early pre-seed and seed stages</p>

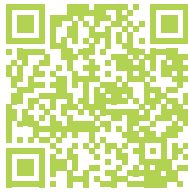
AXIS 4	INVESTMENT PRIORITIES (art. 5 Reg. (UE) I30I/20I3)	EXPECTED RESULTS	KEY ACTIONS
<p style="text-align: center;">SUSTAINABLE ENERGY 55.960.120 euro (15,7%)</p> 	<p>b) To promote energy efficiency and the use of renewable energies in businesses</p>	<p>4.1 A reduction in energy consumption in public buildings and structures, or those that are open to the public, residential and non-residential, and the integration of renewable energy sources</p>	<p>4.1.1 Promotion of eco-efficiency and the reduction of primary energy consumption in public buildings and structures: restoration of individual buildings or complexes of buildings, installation of intelligent remote monitoring, regulation, management, monitoring and optimisation of energy consumption (smart buildings) and a reduction of air pollutant emissions through the use of a mix of technologies</p>
	<p>c) To sustain energy efficiency, intelligent management of energy and the use of renewable energies in public infrastructure, including public buildings, and in the house-building sector</p>	<p>4.2 A reduction in energy consumption and emissions from businesses and the integration of renewable energies</p>	<p>4.2.1 Incentives for reducing energy consumption and greenhouse gas emissions of companies and production areas, including the installation of a system for energy production from renewable sources for self-consumption, giving priority to high-efficiency technologies</p>
	<p>d) To develop and install smart distribution systems that operate at low and medium tensions</p>	<p>4.3 An increase in the amount of energy needs covered by the generation of energy distributed by developing and implementing smart distribution systems</p>	<p>4.3.1 Realisation of smart energy distribution networks (smart grids) and interventions on strictly complementary transmission networks aimed at directly increasing the distribution of energy produced by renewable sources, the introduction of equipment fitted with digital communication systems, intelligent metering, checking and monitoring of "cities" and peri-urban areas</p>
	<p>e) To promote strategies for low carbon emissions for all types of territories, in particular in the urban areas, including the promotion of sustainable multimodal urban mobility and pertinent measures for mitigation and adaptation</p>	<p>4.4 Higher sustainable mobility in urban areas</p>	<p>4.4.1 Renewal of rolling stock</p>

AXIS 5	INVESTMENT PRIORITIES (art. 5 Reg. (UE) I30I/2013)	EXPECTED RESULTS	KEY ACTIONS
<p style="writing-mode: vertical-rl; transform: rotate(180deg);"> ENVIRONMENT AND CULTURE 35.972.200 euro (10,1%) </p> 	<p>c) To conserve, protect, promote and enhance natural and cultural resources</p>	<p>5.1 Improvement in the conditions and standards of supply and the use of natural resources in the areas of interest</p>	<p>5.1.1 Interventions for the protection and redevelopment of areas of strategically relevant natural interests (protected areas on land and at sea, protected landscapes) that will reinforce and promote processes of development</p>
		<p>5.2. Improvement in the conditions and standards of supply and the use of cultural resources in the areas of interest</p>	<p>5.2.2 Interventions for the protection, enhancement and establishment of a network for cultural heritage, both tangible and intangible, in the areas of relevant and strategic interest so as to consolidate and promote processes of development</p>
		<p>5.3 Competitive repositioning of tourist destinations</p>	<p>5.3.1 Support for the integrated use of cultural and natural resources and the promotion of tourist destinations</p>



AXIS 6	INVESTMENT PRIORITIES (art. 5 Reg. (UE) I30I/2013)	EXPECTED RESULTS	KEY ACTIONS
<p style="writing-mode: vertical-rl; transform: rotate(180deg);"> SUSTAINABLE URBAN DEVELOPMENT 30.816.400 euro (8,6%) </p> 	<p>c) To reinforce ICT applications for e-government, e-learning, e-inclusion, e-culture and e-health</p>	<p>6.1 Computerisation of administrative processes and delivery of fully interoperable digital services</p>	<p>6.1.1 Technological solutions for the implementation of interoperable e-government services, integrated (joined-up services) and designed together with citizens and businesses, applications of e-procurement and integrated solutions for smart cities and communities</p>
	<p>d) To sustain energy efficiency, the intelligent management and use of renewable energy in public infrastructures, including public offices and the housing development sector</p>	<p>6.2 A reduction in energy consumption in public buildings and structures, or for public use, residential and non, and the integration of renewable energies</p>	<p>6.2.1 The implementation of technological solutions for the reduction of energy consumption in public lighting, promoting the installation of smart energy distribution networks (light sensors, smart metering and monitoring of energy networks)</p>
	<p>e) To promote strategies for low carbon emissions for all types of territories (particularly for urban areas), including the promotion of sustainable urban multi-modal mobility and pertinent measures for adaptation and mitigation</p>	<p>6.3 An increase in sustainable mobility in urban areas</p>	<p>6.3.1 Construction of infrastructure and interchanges aimed at increasing collective mobility and the distribution of environmentally friendly goods and related transport systems</p> <p>6.3.2 Smart transport systems</p>
	<p>c) To preserve, protect, promote and develop natural and cultural heritage resources</p>	<p>6.7 Improving conditions and standards of supply and use of cultural heritage resources in the areas of interest</p>	<p>6.7.1 Interventions for the protection, enhancement and establishment of an online network for cultural heritage resources, both tangible and intangible, in the areas of relevant and strategic interest so as to consolidate and promote processes of development</p>

AXIS 7	INVESTMENT PRIORITIES (art. 5 Reg. (UE) I30I/2013)	EXPECTED RESULTS	KEY ACTIONS
TECHNICAL ASSISTANCE 14.251.200 euro (4%)		7.1 An increase in the levels of efficiency in the implementation of the Programme and of the capacity of the bodies involved in its realisation (implementation) and management	7.1.1 Technical Assistance and management support, monitoring and surveillance of the Operational Programme 7.1.2 Evaluation
		7.2 An increase in the levels of transparency and visibility of the Regional Operational Programme EDFR 2014-2020	7.2.1 Information and publicity



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