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TXEMA PELAEZ PALAZON
President
14/10/2020



ACTION PLAN

Implementation of GPP in La Ribera Alta (Valencia)

Sorted waste management project

GPP- Stream. PP8.





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Part I – General information

1.1. General information

Title of the Project: Green Public Procurement and Sustainability Tools for Resource Efficiency Mainstreaming

Project acronym: GPP-STREAM

Involved associated organization: Mancomunitat de municipis de la Ribera Alta (PP8)

Country: ESPAÑA

Region: NUTS2_____Valencia

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1.2. GPP-STREAM Project

Mancomunitat de la Ribera Alta is part of the GPP-STREAM project, belonging to the Interreg Europe program. The project is coordinated by the Friuli Region and is carried out in collaboration with 8 organisations (from Bulgaria, Spain, France, Italy and Romania), with environmental and CPE knowledge.

The project focus on **the beneficiaries need of tools** for the monitoring of the implementation of the CPE, and, therefore, in the evaluating and integrating of its benefits into the policies.

The main activities in project are the following:

- Compile the experiences of the partners and their environments in the European Union to share the best practices, properly identify the objectives and propose the best solutions.
- Develop an Action Plan, that will be verified and reviewed by the partners and the stakeholders. The Action Plan will bring an improvement in compare with the current situation.
- Implementation of the actions included in the Action Plans.





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1.3. POLICY CONTEXT

1.3.1. European legislation

The “Europe 2020 strategy” has a great relevance in the legislative framework about Public Procurement in the European Union, in which public procurement plays a key role. It is set as one of the instruments based on the internal market to be used to achieve smart, sustainable and inclusive growth as well as guaranteeing a more rational use of public funds.

Three Community Directives must be mentioned:

Directive 2014/24 / EU of the European Parliament and of the Council of February 26th, 2014, on public procurement (repealing Directive 2004/18 / EC;

Directive 2014/25 / EU of the European Parliament and of the Council of February 26th, 2014, about contracting by entities operating in the water, energy, transport and postal services sectors (repealing Directive 2004/17 / EC)

Directive 2014/23 / EU of the European Parliament and of the Council of February 26th, 2014, regarding the award of concession contracts.

These directives repealed the previous one, concluding a process of reviewing and modernization of the current rules on public procurement, it increased the efficiency of public spending and facilitate the participation of small and medium-sized enterprises (SMEs). in public procurement, and also the use by public authorities of the procurement in support of social and environmental common objectives, including information, control and monitoring mechanisms in order to guarantee the correct and effective application of the procurement rules.

In relation to the actions contained in this Action Plan, there must be mentioned the application of Directive 2008/98 / EC, 19th November, on waste management.

1.3.2. National legislation

Law 9/2017, of 8th November 8, on Public Sector Contracts, by which it is adapted to the Spanish legal system the Directives of the European Parliament and of the Council 2014/23 / EU and 2014/24 / EU 26th February. It is stated in the Preamble of Law 9/2017 as its explicit objective: «To ensure that public procurement is used as an instrument to implement both European and national policies on social, environmental, innovation and development, promotion of SMEs, and defence of competition. All these issues constitute the true objectives of the Law, pursuing the efficiency in public spending and respect for the principles of equal treatment, non-discrimination, transparency, proportionality and integrity”.

Through this law, the Directive 2014/24 / EU is incorporated into the national legal system as well as the Directive 2014/23 / EU of the European Parliament and of the Council, of February 26th, 2014, regarding the award of concession contracts, notwithstanding what was incorporated about this Directive through the Law about contracting procedures in the water, energy, transport and postal services sectors.

Law 22/2011, of 28th July, about contaminated waste and soil





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Law of 10/2000, of 12th December, on Waste management, in the Valencian Region.

DECREE 19/2017, of 26th October, by the President of the Generalitat, approving the regulatory bases to subsidize local action projects by the municipalities,

DECREE 55/2019. Vice Ministry of Agriculture, Environment, Climate Change and Rural Development.

DECREE 55/2019, of April 5, valencian government, approving the review of Integral Waste Plan of the Valencian Region. [2019/4208]

1.4. OPERATIVE PROGRAM

Cohesion Policy is the main investment policy of the European Union. Its aim is to support job creation, business competitiveness, economic growth, sustainable development and improvement of the quality of life of citizens in all regions and cities of the European Union. This Cohesion Policy is implemented through three main funds: the European Regional Development Fund (ERDF), the European Social Fund (ESF) and the Cohesion Fund (FC)

The European Commission launched the “Europe 2020 strategy” in 2010 with the aim of lay the foundations to emerge from the crisis and prepare the EU economy for the next decade. Three key engines of growth were identified, that must be launched through specific actions at national and EU level:

- Smart development: promoting knowledge, innovation, education and the digital society
- Sustainable development: promoting more efficient production in terms of resources while boosting our competitiveness,
- Inclusive development: increasing participation in the labour market, the acquisition of skills and the fight against poverty.

One of the aims of the “Europe 2020 strategy” in what concerns to climate change is “to reach the goal 20-20-20, what means reduce greenhouse gas emissions by 20%, generate 20% of our energy needs from renewable sources and increase energy efficiency by 20%.”





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2014-2020 Multiannual Financial Framework

The 2014-20 Multiannual Financial Framework (MFF) constitutes the general spending plan of the European Union for this period, according to the Regulation (EU) No. 1303/2013, approved unanimously by the Council on December 2, 2013.

During this period, it has been set that climate-related spending in the EU reaches 20% of the total.

The EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF) is among the community funds and instruments of the MFF that can potentially be applied for the development of actions to adapt to climate change.

The ERDF aims to strengthen economic and social cohesion in the European Union by correcting the imbalances between its regions. One of the objectives of the ERDF for the period 2014-2020 is the European Territorial Cooperation, for actions of cross-border adaptation matter, transnational and interregional nature with aim of manage with common problems in various Union territories.

• OTHER FUNDING INSTRUMENTS:

- Horizon 2020 (H2020): New funding instrument created in order to improve competitiveness in Europe. Its priorities include supporting research and innovation projects in the fight against climate change. About 35% of the H2020 budget is expected to be climate-related spending.

- LIFE Program: European Instrument to support projects related to the environment and nature conservation.

For the 2014-2020 period, there is a Climate Action Subprogram with adaptation, mitigation and governance as priority areas.

- **Union Civil Protection Mechanism:** Instrument that addresses, among other aspects, improving disaster preparedness and innovative actions to reduce its risk.

- **Interconnection Instrument for Europe:** New European instrument aimed at supporting the development of modern, sustainable and efficient trans-European networks in the energy, digital and transport fields.





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• **ROP VALENCIAN REGION**

ERDF aims to strengthen economic, social and territorial cohesion by correcting the main existing regional imbalances in the European Union. According to the Investment objective, the priority funding is focus on research, information and communication technologies (TIC), SMEs and the low-carbon economy.

Article 5 of Regulation (EU) No. 1301/2013, includes the thematic objectives of the ERDF. The objectives considered by the ERDF for the Valencian Region are the following:

- Thematic Objective 1: Promote research, technological development and innovation
- Thematic Objective 2: Improve the use and quality of ICT and access to them.
- Thematic Objective 3: Improving the competitiveness of SMEs.
- Thematic Objective 4: Favour the transition to a low carbon economy in all sectors.
- Thematic Objective 6: Conserve and protect the environment and promote resource efficiency.
- Thematic Objective 13: Axis of technical assistance.

As a result, this Action Plan aims to influence in the following axis of the ERDF in the Valencia Region:

Priority axis in the Valencian ROP

Thematic Objective 2: Improve the use and quality of ICT and access to them.

Priority investment: 2c. Strengthening the application of the information and communication technologies for the electronic administration, electronic learning, electronic inclusion, electronic culture and electronic health.





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Priority axis 3 in the Valencian ROP

Thematic Objective 3: Improving the competitiveness of SMEs.

Investment priority: 3d. Supporting the SMEs ability to grow in regional, national and international markets, and to get involved in innovation processes.

Priority axis 4 in the Valencian ROP

*Thematic Objective 4: Support to a low-carbon economy transition in all sectors.
Investment priority: 4e -*

- Promotion of carbon reduction strategies in all territories, especially urban areas, including the promotion of sustainable multimodal urban mobility and adaptation measures with mitigation effects.

Specific objective: OE 4.3.3. Improve energy efficiency and reduce CO2 emissions in buildings and in public infrastructure and services.

Specific objective: OE 6. Preserving and protecting the environment and promoting resource efficiency





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1.5. OTHER NATIONAL STRATEGIC DOCUMENTS

1.5.1. European Strategy for Adaptation to Climate Change

Within the framework of the European Union, in April 2013 the European Strategy for Adaptation to Climate Change was implemented. Its main objectives are three:

- (i) promote adaptation actions to climate change in the Member States;
- (ii) facilitate decision-making for all the agents involved in increasing the researching programs and the collection and exchange of information on adaptation to climate change (through the Climate-Adapt platform); and
- (iii) promote adaptation in vulnerable sectors to climate change, by supporting the construction of resistant infrastructures and the promotion of financial and insurance products against natural and human disasters.

In this European framework, Spain approved the Third PNACC Work Program, whose time frame coincides with the European Strategy (2014-2020). The Third PNACC Work Program assumes the Second Program structure (4 points, 2 main categories):

- Point 1: Knowledge generation in evaluation of impacts, vulnerability and adaptation to climate change.
 - Point 2: Integration of the adaptation to climate change in regulations.
 - Point 3: Mobilization of key actors.
 - Point 4: Establishment of a system of signals, evidence and indicators of the impacts and adaptation to climate change in Spain.
- Category of empowerment of R + D + i (research development innovation)
 - Category of reinforcement of coordination between Administrations

1.5.2. Valencian Strategy for Climate Change

The Autonomous Communities in the exercise of their competences, have developed and keep strategic frameworks, plans and / or programs regarding adaptation to climate change, with numerous initiatives and actions. At the Valencian region, there is the Valencian Strategy for Climate Change 2013-2020 document and the Valencian Strategy for Climate Change and Energy 2020-2030 document.

1.5.3. Spain circular 2030

SPAIN CIRCULAR 2030 The previous State Government began the process of preparing the Spanish Circular Economy Strategy. There isn't a definitive text, the draft was released to public information in February 2018, however, it could help to study the direction of the transition towards the circular economy in Spain.





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1.5.4. The Spanish Strategy for Corporate Social Responsibility in companies,

It also involves public administration. It establishes the commitment to guide in management models sustainable in time and to create an innovative culture. In GPP, this strategy encourages the incorporation of environmental clauses in public procurement, in accordance with current legislation and also the incorporation of environmental criteria. This take advantage of all the possibilities offered by the national and international legal framework on public procurement, promoting the involvement of public administrations and their suppliers.

1.5.5. Integral plan of waste management in Valencian Region 2019-2022 (PIRCVA) approved by RD 55/2019 valencian government.

ARTICLE 14. Local Plans for the management of domestic and similar waste. Those municipalities that on January 2, 2021 are more than 10% below the average recycling of the Valencian Region in the selective collection of bio-waste and light packaging, must necessarily implement a new collection system door to gate or equivalent that allows pay-per-generation policies.

1.6. OTHER NATIONAL MESURES INCLUDED IN THE ACTION PLAN

The measures included in this Action Plan can contribute to improve the design of policy instruments at regional level connected with the monitoring of GPP in waste management procurements. These groups of measures:

1. Public awareness and citizens training on recycling: role of the environmental educator.
2. Implementation of a selective door-to-door waste collection system: Service rules, service control systems during its execution (computerised systems, role of the inspector)
3. Elaboration of a guide on environmental criteria for the public tenders.
4. Training course for technicians and SMEs in green tenders.
5. Control committee on green tenders in the region.

These actions directly concern axis 2 and 3 of the Valencian Region ERDF, and tangentially relate to axis number 4.

The implementation of the door-to-door collection service for the separate waste collection in the region is a green action that complies with the principles of circular economy. It is a green criteria in tender processes because it aims to reuse and recycle waste and it contributes to the reduction of CO2. The tender includes another environmental criteria for vehicles and cleaning products. It also includes efficient criteria for bidder, which should have ISO 9001, ISO 14001, EMAS, OHSAS 18001 or equivalent certificates labels of environmental management of the highest classification "A", as well as the best classification in allowed CO2 emissions in relation to the level set as specification, according the criteria contained in the toolkit (activity A18) of the GPP project.

In the previous phases of the tender, some meetings have been kept with key stakeholders (local and regional political representatives, technicians and companies) to prepare the start-up and operation, to adopt the measures that guarantee its success and control in the execution phase. Thus, it was necessary





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to carry out some awareness campaigns and setting up the role of an environmental educator in contact with the citizenship to solve potential incidents and train them in collection of waste. The computerized control system will identify the user and determine the reason of the potential incidents, helping the inspector to solve it. Moreover, to reinforce the awareness-raising purpose, a service regulation has been drawn up with the standards of citizen's service compliance.

This tender contributes to the fulfilment of the objectives of ERDF axis 4 "*support the transition to a low carbon economy in all sectors*". Moreover, the actions to raise awareness and educate citizens and implement computerized control systems have a direct impact on axis 2 (*strengthening the applications of information and communication technologies for electronic administration, electronic learning, electronic inclusion, electronic culture and electronic health*).

The rest of the actions on training and education implies axis 3 of the ERDF, investment priority 3d, *the improvement of SMEs competitiveness, support to their potential grow in national and international markets, and to engage in innovation processes*. It aims to capacitate local entities technicians and provide them with tools to include environmental criteria in tenders, as well as regional SME companies to reinforce their knowledge of environmental criteria and green tenders for their market adaptation.





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Part II

2.1. INTRODUCTION

The global situation, with the increasing of the effects of anthropogenic climate change are putting the public administration and governments in front of the obligation of moving forward more efficient strategies, where circular economy plays a major role. The acquisition of goods and services by the public area is a holistic tool to improve, disseminate, change the market and also the citizens. The public opinion about how the public administration are contracting and what are the obligations of the tenderers will be decisive in this process.

One of the challenges is that the introduction of GPP in Spain are not very developed in the Spanish legal frame. Most of policy makers and technicians are not capacitated in implementing Green criteria, although most of them knows the importance of environmental practices and their advantages.

The market (bidders) has also a lack of knowledge about GPP and they need to know how to include the sustainable development in their plans, especially when managing with imported products (the partner Ministry of environment, waters and forests. Romania highlighted the same problem during the international online meeting).

It must be said that there isn't too much companies producing green products and GPP is wrongly considered high cost. There is also a relation with the lack of tools for knowing the LCC of the products.

The main purpose of MANRA GPP Action plan is to elaborate a sorted waste management framework for the improvement of the ERDF Operational Program for Valencian Region.

Public procurement represents an important part of expense in the market, due to the volumes of spending of the different Public Administrations, for this reason it is considered a key tool for the transition to a circular economy. Therefore, actions to implement Green Public Procurement should be encouraged, establishing measures or developing criteria (with aspects related, for example, to durability or reparability) to be used by the different contracting bodies.

For this, it is very useful to have tools to inform both the contractor body and the consumers when making purchasing decisions. The action plan is a document that provides details on how the lessons learned will be developed in order to improve the policy instrument addressed in our region. It will specify the nature of the activities to carried out, the schedule, agents involved, costs and sources of funding.





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Based on the experiences exchange activities carried out in the GPP-STREAM project, aimed at the interregional learning process, we have identified a set of necessary activities to implement in order to impact the development of green public procurement and circular economy practices in the Ribera Alta region (Valencia). These actions aim to support the 2014-2020 Valencia Region Operational Program based on the experience and knowledge acquired in the GPP-STREAM project.

This Action Plan includes a priority axis and 4 axes. Below is a summary, with the actions, time-frame, budget and list of monitoring indicators that will allow to know the degree of execution of the Plan.

2.2. PRIORITY AXIS

STUDY, ELABORATION AND PUBLISH OF SEPARATED WASTE MANAGEMENT SYSTEM.

The main goal is to promote resource efficiency in waste sector, in order to comply with EU environmental requirements and promoting measures to reduce climate change and the carbon footprint.

Legal frame

The tender on waste management aims to reduce landfill waste and increase its reuse and recycling, as in accordance with the annex of SPAIN CIRUCLAR 2030 with 54 measures. This tender will comply with the development in production, consumption and management of waste, the secondary raw materials market and sectoral actions (plastics, food waste, critical raw materials, building and demolition, and biomass and bio- products), and also the of the R + D + I as a key transversal element in the transition process.

The European “circular economy package”, including the “Action Plan of Circular Economy” and some regulatory reviews, has given a particular relevance to correct and effective waste management throughout the Union, always respecting the “hierarchy principle”. Thus, it is being updated a wide variety of waste legislation: Waste Framework Directive, 2008/98 / EC, Directive 1994/62 / EC, on packaging and packaging waste, Directive 1999/31 / EC, of landfills, Directive 1987/101 / EEC, for the management of used oils, Directive 2006/66 / EC, for batteries and accumulators, Directive 2000/53 / EC for vehicles at the end of their useful life, Directive 2012/19 / EU on electrical and electronic equipment waste.

Their purposes are to renew the reuse and recycling objectives, expand the extended responsibility of the producer, consolidate some key concepts such as sub-products, establish common measurement and control instruments, increase restrictions on the dumping of polluting products and substances and, in definitively, improve the treatment and management of waste produced in the European Union. The correct and efficient waste management in the EU is capital.

The EU regulatory framework review forces Spain to adapt its legislation to reach the new objectives and incorporate the new regulatory guidelines approved by the European legislator. It must be controlled and identified the waste currently generated and develop traceability tools, and foster collaboration between the competent controlling public administrations.





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Spanish legal frame in waste management

The State Framework Plan for Waste Management (Spain) (valid until 2022).

Law 22/2011, of 28th July, on waste and contaminated soils

Law 10/2000 (Valencian region) 12th December

Integral waste management plan in Valencian Region (PIRCV), approved through 55/2019 Decree, 5th April, for reducing the production of residues and the use of resources.

The main goal of this action plan will be to reach the objectives in the Integral Plan of waste Management in the Valencian Region 2019-2022 (PIRCVA) according recycling of domestic waste as follow:

65 % of total waste generated, 12/31/2020

66 % of total waste generated, 12/31/2021

67 % of total waste generated, 12/31/2022

General waste in landfill

35 % of total waste generated, 12/31/2020

34 % of total waste generated, 12/31/2021

30 % of total waste generated, 12/31/2022

Sorted selection of organic waste

25 % of total organic waste generated, 12/31/2020

30 % of total waste generated, 12/31/2021

50 % of total waste generated, 12/31/2022

2.3. ACTIONS CONSIDERED IN THE AXIS OF WASTE MANAGEMENT

The actions contained in this Action Plan related to waste management are the following:

- .1. Implementation of the door-to-door system.
- .2. Citizenship information campaign
- .3. Environmental educator
- .4. Service inspector
- .5. Approval of a service regulation





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2.4. DIRECT INFLUENCE ON ERDF

The manual of criteria and procedures for operations selections of the OP ERDF 2014-2020 (Valencian Region) has among its objectives to set a smart system for selective collection of urban waste

"Operational program: 2014ES16RFOP013 - ERDF 2014-2020 Valencian Region

Action: 020301_03_NO_U - Smart system for the selective collection of urban waste in the Valencian Region

Intermediate agency: ES209001 - GENERALITAT VALENCIANA

Action objectives:

- Implement a smart system for the sorted collection of municipal waste in the Valencian Region based on the active collaboration of citizens and the application of information and communication technologies for public services.
- Contribute to the improvement of the system of collection, reuse, recycling and recovery of municipal waste in the Valencian Region through the computerization of selective collection points. This system will give information about the amount and sort of waste and make a more efficient and sustainable selective collection.
- Improve reuse and recycling rates in the Valencian Region and, according the EU's circular economy, carry out high-quality recycling.
- Increase of 50% per year the amount of sorted waste collected in Eco parks (selective collection points).
- Provide the way to promote the citizen collaboration through positive tax measures for the users with their personal electronic cards.
- Guide the waste management according the hierarchy set in Law 22/2011, to achieve the best environmental result (reuse, recycling and recovery), and thus avoid high environmental impact solutions such as landfills or incineration.





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Type of beneficiaries:

Administration responsible in waste management in each of the 13 management areas of the Valencian Region.

During phase 1 of the GPP project, some meetings were held with people in charge of the regional Ministry in order to influence the ERDF operational program through the selective collection tender that the Mancomunitat is preparing as a "pilot" tender. This tender will give to each municipality the option to choose the collection model considered the most appropriate, e.g. container modality, door-to-door collection system, among others. The implementation of the door-to-door model in this tender will identify the users depositing the garbage through computerized means.

This identification will help to correct the user behaviour through the follow-up carried by the role of the service inspector and the environmental agents in contact with the citizen. The computer identification system will be carried out using chips, this system could be granted by the Valencian government, influencing the ERDF funds through the aforementioned axis of the action.





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2.5. ANOTHER POINTS IN THE ACTION PLAN

Guide of environmental criteria for public tenders

ERDF includes grants to public entities by the Saving and energy efficiency program in public services. It aims to replace the outdoor public lighting equipment for more efficient technology. These tenders on public lighting and energy efficiency of buildings, require capacitation and knowledge for the technicians to write the specifications to meet these requirements. The elaboration of guide and capacitation pretends to be an effective tool for the achievement of its goals and obtaining funding through the ERDF funds.

This guide will be disseminated in different forum in which MANRA participate, as the Federation of municipalities in the Valencian Region (FVMYP) and the councils associated in MANRA.

Capacitation for technicians and companies (SMEs)

There will be a capacitation for technicians, policy makers and SMEs in the region. The good practices introduced by the project partners will be exposed, as well of Good Practices manual, instrument and tools with GPP criteria.

This capacitation will be developed by MANRA and the CEACV (Environmental Education Centre in the Valencian Region), which also will contribute to disseminate this content.

Control: Implementation of control systems

The implementation of the door-to-door tender aims to comply with the most demanding regulations on recycling. The aim is to cover the percentages of recycling and recovery and set a system to identify the user and train into recycling habits. Some computerised control systems are required.





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Part III. ACTION PLAN

TABLE I: ACTIONS AND ACTIVITIES

ACTION	ACTIVITY	TOPIC	Notes
1	1.1	Information campaign	Awareness campaign
	1.2	Environmental educator	New service
2	2.1	Elaboration of a regulation service	Legal frame
	2.2	Implementation of the door to door system (PAP)	New service – main activity
3	3.1	Guideline	New document
	3.2	Training sessions	Beneficiaries in the region
	3.3	Helpdesk	New service
4	4.1	Survey Service	Participation of citizens
	4.2	Digital monitoring (chip control)	Digital analytics
	4.3	Quality control - inspector	New service





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TABLE II: STAKEHOLDERS INVOLVED

ENTITY	NATURE	COMPETENCES	ACTION	ROL
Municipalities in Ribera Alta.	Public administration	Local administration	1, 2	Policy maker
Diputacio de València	Public administration	Environmental educators	1	Funding partner
Environmental vice-minister in the Region	Public administration	Environmental policies in the valencian region	2	Policy maker
European Funds vice-minister in the Region	Public administration	Guide the lines for the European funding in valencian region	1	Policy maker
Association AEA	Economic Chamber in the town of Alzira	Tender beneficiaries and business representatives	2, 3	Beneficiary of capacitation
CEACV	Public administration	Capacitation and training in environmental criteria	1, 3	
(CREA)	Consortium	Regional waste management consortium, Villena	2, 3	Assessment
FVMYP	Public administration	Valencian association of municipalities	2, 3	Policy maker





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Action 1. Public Awareness

A. Background (description).

The problem and barrier to be solved in the application of the Action 1 is the lack of knowledge, awareness and sensitization about selective waste collection and their duties as citizens. Focus on reduction, reuse, separation is necessary and some previous task must be held to spread the message. So, to increase the community awareness, an information campaign at a local level will be recommended. With the same purpose, there will be held and awareness campaign in sort domestic waste in origin, as the recommendations, the points to dispose the different sort of waste and the importance of recycling.

B. Activities

Activity 1.1 Public awareness.

Public campaign:

Press conference to present the system proposed and the advantages of recycling

Spread in own media (website) social media and local newspapers.

Due to covid19, it can be switch to a media campaign (SM) through the Mancomunitat and stakeholders profiles.

Activity 1.2 Environmental educator

2 people in the new department of "environmental educators" will be hired to improve the management of household waste and similar. This is a neighbourhood service, in contact with citizenship and companies about best practices in the prevention of waste generation, reuse and selective collection at origin, circular economy criteria and opportunities at local level.

MANRA will be in charge of 2 full-time environmental educators carrying out awareness-raising communication tasks and daily incidents solving. Their profiles are related with environmental studies, waste management circular economy and communication skills.





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C. Stakeholders involved

1. Generalitat Valenciana (valencian government), Directorate of Quality and Environmental Education of the regional Ministry of Agriculture, Rural Development, Climate Emergency and Ecological Transition.
2. Diputacio de Valencia (province public body) which helps financially and technically in the elaboration of Local Waste Plans or in hiring the environmental educators for the municipalities.
3. The Environmental Education Centre of the Valencian Region, as technical assessment.
4. Citizens represented in association.

D. Lesson Learned

During the GPP Stream project, several good practices were exposed, some as part of the Guide of GPP Good Practices. “The Green Public Good Practices in regional waste, consortium CREA (Vinalopó)” inspired this action plan with the structure and program of dissemination, the public awareness campaign and also the role of environmental educator. This example was exposed by CREA consortium in the transnational event organised in Alzira SPAIN).

This Good practice explains how the waste recycling is based on circular economy. Recycling contributes to the recovery or transformation with a second use of waste. Some good examples were exposed, as public furniture made with recovered waste products. Contribution of circular economy (Purchase of products: circularity)

- Eco-design.
- No more material needed.
- No more packaging needed.
- Easy to reuse.
- “Recyclability” of materials.
- Durability of the product.

E. Timeframe

July 2020 – April 2021

F. Costs

Salaries of the two environmental educators (29.475,94 €/ year x 2 educators = 58.951,88 € year)

Training dissemination material

Total cost estimated (de les educadores ambientals a l'any) =

G. Funding sources

Assumed by MANRA budget.

Some granted from the ERDF fund instrument or similar (e.g. Diputacio Valencia).





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H. Expected impact

One of the actions funded by the ERDF ROP Valencia is identified as: 020301_03_NO_U – Smart system for the selective collection of urban waste in the Valencian Region. Objectives:

- Improve the rates of reuse and recycling in the Valencian Region, and set high-quality recycling according EU's circular economy policy.
- Lead the waste management according on the hierarchy established in Law 22/2011 for best environmental result (reuse, recycling and recovery), and avoid solutions with high environmental impact such as landfills or incineration.

Based on these objectives, it is intended that the ERDF funds more specific actions such as those implemented by this action plan. These objectives would be reinforced with the role of environmental educators, which needs for training and funding, and is necessary for the public awareness about environmental responsibility. The consolidation of a greater collective environmental awareness is one of the disruptive changes that is aspired to with the development of the action plan.

The CEACV is a public institution depending on the Regional Ministry of Climate Change. They will participate in capacitation of the environmental educators. In these courses, there will be implemented those tools and good practices developed in the GPP-STREAM project.





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Action 2. Pilot case: sorted waste management

A. Background (description).

A new service of waste collection must be implemented to adapt to the national legal frame. The waste must be sorted at source (users) and a control compliance should be set to get the best from this action. The domestic waste (generated at homes) must be divided in different fraction that will be collected and delivered to the treatment plants to continue the waste management chain. The fraction in which the waste should be sorted according the materials and recycling circuits are: organic, paper -board, and soft packaging (plastic), bulky waste (once a month) and the rest.

In a previous phase, the policy makers have studied some models of this service already working in other regions as Catalonia or Basque Country. A market study was done in relation to service control systems (computer systems and vehicle weighing) and a feasibility study.

The tender process should ensure that **equipment and machinery** must meet environmental requirements (products used for the maintenance, circular economy, low level of noises and polluting gases (CE-Type approval certificate) and favour the transition to a low-carbon economy in all sectors according the ROP Valencian Region PRIORITY AXIS 4. The use of vehicles with eco-label and CO2 emission control will be awarded in the process.

The bidders must have ISO 9001, ISO 14001, E+, MAS, OSHAS 18001 or equivalent certified environmental management labels systems The highest A classification as well as the best in relation to the permitted CO2 emissions in relation to the level set as specification.





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B. Activities

Activity 2.1 “Elaboration of a regulation service”

MANRA will develop a regulation for the waste collection and transport. Its purpose is to regulate this service with the citizenship and include the legal provisions (national, regional and EU legislation). in this area.

The associated municipalities adhering to this service will follow this regulation, which includes:

- Title I. General directives for the correct application both for competent bodies and individuals of the object.
- Title II. Types of service. In both, users must sort the waste in different sections to ease the recycling and accomplishment of the principle of hierarchy.
- Title III Promotion and transparency of recycling. Regulation of the actions for the promotion, awareness and education on separate waste collection. Title III includes provisions for promoting the prevention, reuse and recovery of waste, in accordance with the objectives in Directive 2008/98 / EC, as well as by Law 22/2011, of 28 July, on waste and contaminated soils.
- Title IV. Inspection and penalties (Law 22/2011, of 21 April on Waste and Contaminated Soils).

The municipalities adhered to the separated waste collection service will include this regulation that affects their citizens.





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Activity 2.2 Implementation of the door to door system (PAP)

Door-to-door selective collection system (PaP) consists on the delivery of waste directly next to the home front door, with a weekly day for each waste fraction. The implementation of this system implies the change of habits and the participation of citizens.

With this model, it is possible to identify the domestic waste generator (neighbour), and therefore implement fairer monitoring systems such as pay-per-generation or, users identify. With the waste collected data it is possible to improve the assumption of the objectives. With the door-to-door system, user will be identified by a digital label in the buckets.

Among the green criteria included in the tender, the following:

- a) The machinery and vehicles in the service must guarantee maximum energy efficiency and the minimum environmental impact, with the following environmental requirements:
- b) Low noise levels: The bidding company must include a certificate of the measurement of the noise made by the collection and compaction equipment, in accordance with Directive 2000/14 / EC (or another replacing it). The certified must be issued by an independent external body, and shows compliance with noise emissions under 102 dB (A).
- c) The use of low-polluting fuels and / or renewable energy sources will be valued.
- d) It will be awarded when heavy vehicles comply with the strictest EURO standards (EURO VI) about CO2 emission, and also include a control system for tire pressure
- e) It will be awarded the light vehicles with low fuel consumption and CO2 emissions, as established in the mandatory label regulated in RD 837/2002, of 2nd August, and the Directive 1999/94 / EC.
- f) Use of recycled, recyclable and reused materials.
- g) The contractor must use low viscosity lubricating oils (LBV) for engines or regenerated lubricating oils, with a minimum of regenerated base oils of 25 %. The LGWs should correspond to the SAE number 0W30 or 5W30, or equivalent.





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C. Stakeholders involved

- Town halls of 35 municipalities in the association, beneficiaries of public EU funds. Pilot will be implemented in Alcàntera de Xúquer, Alfarp, Antella, la Barraca d'Aigües Vives, Càrcer, Llombai, Manuel, Sant Joanet i Sumacàrcer.
- Environmental vice-minister in the Region: regional director of Climate Change and environmental quality, Joan Piquer. Role: main partner / policy maker
- European Funds vice-minister in the Region (General director. Role: main partner / assessment
- Companies in the region (association AEA) Involved (working groups, meetings) Role: strategic partner / tender beneficiaries

D. Lesson learned

Good practices learned during the project, included in the document: "GPP Good Practices".

- Democles. Prevention and management waste in demolition (AURA-EE
From this good practice we include a Set of tools (control the legal liability, questionnaires, list of roles and obligations, guide for the project management, traceability)
- Provision of treatment / separation of household waste generated in the territory of Gabrovo Region (Gabrovo municipality). Toolkit: Environmental savings green tender compared to benchmark and conventional solutions "Tender- parameters as consumption of energy, CO2 emissions, electricity and natural gas"





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E. Timeframe

December 2020 – December 2024

F. Costs

43,18€ / inhabitant (in the area of la Ribera Alta) x 41.968 habitants = 1,812.178 €/ year

G. Funding sources

Investment cost will be assumed by the annual budget of the municipalities where the service will be implemented. (Incomes from the service included in local taxes). The funding source will be municipal. Policy instrument addressed PIRCV (Waste Integral Plan in Valencian Region) and based on the National Plan – Waste Management Frame (Spain).

H. Expected impact

One of the actions funded by the ERDF ROP Valencian Region is the "020301_03_NO_U – Smart system for the selective collection of urban waste in the Valencian Region, and among its objectives:

- Implement a smart system for the sorted collection of municipal waste in the Valencian Region based on the active collaboration of citizens and the application of information and communication technologies for public services.
- Improve reuse and recycling rates in the Valencian Region and, according to the EU's circular economy, carry out high-quality recycling.
- Provide the way to promote the citizen collaboration through positive tax measures for the users with their personal electronic cards.

According to these objectives, it is intended that the ERDF includes some actions such as the distribution of computerized cubes for the identification of the owner for the imposition of fiscal measures or bonuses. The objective of the ERDF regarding the incentive of citizenship collaboration with personal electronic cards is obsolete with this system of collection door to door.

And, as included in the DECREE 19/2017, of October 26, from the president of the Generalitat, approved the regulatory bases to fund local action, the projects of the municipalities in the Valencian Region may be co-financed by the ERDF Operational Program of the Valencian Region 2014 -2020), so some cost as computerized bins are possible to be funded.





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Action 3. Capacitation

A. Background (description).

Barrier: What we found when contacting municipalities in our region is that GPP is not common and neither the technicians or policy makers has enough knowledge in the area. Although the decision makers are in favour for the GPP, they still need capacitation and Good Models (Guidelines) to develop the processes where Green Criteria will be implemented. Moreover, the legal frame is quite general and only some specification were found in documents about environmental requirements.

It could be said that GPP in Spain is not still relevant (although the European directives 2004/17/CE and 2004/18/CE, Public Procurement is not widely reported in our country, a barrier to overcome)

<u>SP ESTATAL</u>	<u>SP AUTONÓMICO</u>	<u>SP LOCAL</u>	<u>TOTAL</u>
11,66%	13,33%	10,19%	12%

Source: Public Procurement Report in Spain. 2017

Green criteria are not mandatory in public tenders in Spain and the only reference we found in the law 9/2017 was that one social criteria OR one environmental criteria must be included in the procurement process. The implementation of Green Criteria is recommended but not mandatory and both administration and contractors are still not very used to their features and their environmental and economic benefits. Also considering LCCA (life cost cycle) would involve benefits in the long term.

It was detected a problem about the lack of training in green criteria for civil servants, so some capacitation must be organised to transfer the know-how and change their mind about the consideration of Green Criteria as more expensive.

Another barrier found was the lack of a cooperation channel among different public administration in GPP. It is recommended to start with a training program linked to the elaboration of manuals and guidelines.





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B. Activities

Activity 3.1 GPP Guideline

PUBLISHING A CATALOG OF ENVIRONMENTAL CRITERIA, to facilitate the inclusion of green criteria in the specifications of administrative clauses. It is intended that technicians can define and specify the following requirements:

- a) The precise definition of the object of the contract.
- b) The precise determination of the solvency criteria by the bidders: presentation of certificates issued by independent and recognized bodies or labels of compliance with certain requirements.

In this sense, the European Ecological Label (ECOLABEL) is an example of a voluntary instrument, since 1982, that guarantees high performance, with high environmental standards in its manufacture, whose process focuses both on reducing pollution and excessive consumption of resources, and minimizing energy consumption through the product's life cycle. As well as the EMAS Registry, promoted as a voluntary tool designed by the European Commission, for the registration and public recognition of those companies which implemented an environmental management system to assess, manage and improve the environmental impact.

- c) The execution of the contract with effective mechanisms for validation and monitoring.
- d) Identification of the qualitative criteria required for the award of the contract in order to evaluate the best value for money.
- e) The clear identification of measurable environmental conditions: less environmental impact; saving and efficient use of water, energy and materials, environmental cost of the life cycle; waste generation and management; or use of recycled, ecological and reused materials.

Manra and the Environmental Education Centre (CEACV) will cooperate in the elaboration of this guidelines, and will be involved in the dissemination.

Manra will elaborate a manual: "including Green Criteria in Public Calls in the Ribera Alta region". This manual will be sent to local technicians in the associated municipalities, and also sent to different stakeholders in Valencian Region: CEACV and also the Environmental vice-minister in the person of the regional director of Climate Change and environmental quality, Joan Piquer, to take part in the dissemination of this Guideline, as well as the Valencian association of municipalities (FVMYP, valencian federation of municipalities and provinces), with more than 500 municipalities.





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Activity 3.2 Training Sessions

The aim of this action is to improve the knowledge application and monitoring of GPP, thanks to a training program for civil servants. The beneficiaries will be the town halls policy makers, technicians and local companies as potential bidders.

A course of 4 hours (3 hours per session + 1 hour of working group to share good practices and experiences) will be organised by MANRA's environmental Department with the cooperation of the Environmental Educational Centre (CEACV).

The content of the course will be:

- introduction into GPP procedures
- legal framework for GPP
- EU policy on GPP
- Toolkit: GPP guidelines
- Implementation of GPP in local procedures
- Presentation of the Guide (activity 3.1) for the correct application of environmental criteria to measure the offers adaptation to the requirements.

It is expected that 25 officials, policy makers and companies' representatives will be trained in Green Criteria and enhance their capacity in relation to the technical aspects about GPP requirements.

Activity 3.3 Helpdesk

A person in the Environmental Department in the Mancomunitat de la Ribera Alta will be on charge of the GPP advice with a proactive role, solving problems, providing information and attending the potential request and doubts via e-mail.

The subjects of the consultation will be product LCA, legal frame, GPP requirements, label and certification.

This communication on demand with contracting entities and suppliers of products and services will be implemented on MANRA own resources (staff, internal employees, e-mail, IT support). Its main goal is to enhance both companies and technicians and increase the GPP awareness.





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C. Stakeholders involved

- 36 local councils in MANRA association.
- CEACV (Environmental Education Centre in the Valencian Region) Assessment in training and dissemination of the guide.
- Environmental vice-minister in the Region. Involved Role: policy maker / dissemination
- European Funds vice-minister in the Region (General director. Role: main partner / assessment)
- Economic Chamber in the town of Alzira (association AEA. Tender beneficiaries and business representatives.
- Regional waste management consortium, Villena (CREA)
- Valencian association of municipalities (FVMYP, valencian federation of municipalities and provinces)





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D. Lesson learned

- Best Practice inspiration (Phase 1 and interregional exchange GPP-Stream Interreg Europe): “Energy Efficiency Public Procurement Guidelines. North-East Regional Development Agency. Romania”. Importance of transparency to get the best value / cost. Use of verification methods. Inspiration for stimulate the adoption of EU renewable energy policies. Experience with cost of energy efficient products and LCA (higher prices but longer life means less cost) is longer. Monitoring and adjust in different steps of the process (delivery, spare parts, transport of the goods, certificates...)
- “Technical instructions for the application of sustainability criteria for 12 groups of products. Barcelona council”. MANRA were inspired by this good practice in the definition of the specific environmental criteria for the “purchase and procurement of priority product and service groups”. Definition of objects and sustainable aspects. This Good Practice includes a Guide, where there is characterization of different Public Procurement, the priorities are defined and also the criteria and monitoring system
- “Liguria Regional Action Plan on GPP (2017-2019) Italy”. Examples of capacitation through round tables, GPP, seminars and information campaigns.
- GPP-STREAM international conference in Rome (Forum Compraverde Buygreen 2019). Conference by Oscar Martínez, Provincia de Alicante (Spain), Manager CREA (regional waste management consortium). Context about the role of public administrations, as promotor to circular economy and example for the private sector. Certifications for sustainable management, situation in Spain (low implementation of GPP, legal frame, difficulties for the companies and eco-labels, difficulties for defining the awarding criteria...) and some examples of GPP in local administrations and waste reduction (compulsory plans, local adaptation). Difficulties in private sector and GPP monitoring.
- GPP-STREAM international conference in Sibiu (transnational learning event 2019). The University “Lucian Blaga” of Sibiu included climate responsive behaviour in Romanian education program. Education for Green Public Procurement and sustainable development and climate change adaptation, and capacitation for stakeholders.





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E. Timeframe

October 2020- February 2021

F. Costs

< 15.000 €

G. Funding sources

MANRA Budget. Potential funding from ERDF funding body (Regional Government)

H. Expected impact

It is expected that the GPP guideline (catalogue of environmental criteria) could have influence in policy instrument, dissemination this key points in the guidelines of GPP implementation in regional plan of waste management for municipalities. The guidelines will be included in tenders held by MANRA and the municipalities associated, and we expect that some regional ministry will include some of the criteria in their funding programs. The target is both local administrations and bidders. This will also stimulate the market and the competitiveness of the companies in including products and services that fills the GPP requirements.

This Action A1 can influence these funding programs to include GPP criteria:

- 1) Program "quality and environmental education" 442.50 (vice-ministry of agriculture, general direction of environmental education). Specifically, the action is focusing the line 10.1.3.- "To disseminate good environmental practices, especially those focused on the circular economy, pollution prevention and sustainable waste management among all social and economic groups, and promote actions to implement them"
http://www.hisenda.gva.es/auto/presupuestos/2020/T2/EUR/FP4_12_44250.pdf
- 2) Program "climate change" 442.60, (vice-ministry of agriculture, general direction of environmental education). Specifically, the action is focusing the line 5.1.3.- "To develop environmental education tools, in different supports, formats, accessible, as well as training activities on the environment and climate change aimed at technicians and business leaders"
http://www.hisenda.gva.es/auto/presupuestos/2020/T2/EUR/FP4_12_44260.pdf

This action aims to improve the technical content elaborated in the public tender processes in the local entities in the region of Ribera Alta and inclusion of Green Criteria and their benefits. It enhances the capacity of technicians and decision makers (national, regional, local administration and align their action, and also for companies, and the expected outcomes will be an increase of the GPP annual spending in 2% to 5%, and +20% of bidders adapted to Green Criteria.





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According the Operational Program, one of the actions financed by the ERDF ROP Valencia is the "030401_03_NO_B - Support for the internationalization of SMEs through the provision of consulting and mentoring services to improve their strategy in the different areas of internationalization."

Intermediate agency: ES209001 - GENERALITAT VALENCIANA

"Support for the internationalization of SMEs through the provision of consulting and mentoring services to improve their strategy in the different areas of internationalization".

The objective of this action is to provide SMEs in the Valencian Region the instruments and tools to manage their internationalization strategy, through tutoring and strategic consulting services.

The capacitation propose in this activity in MANRA's Action plan would help SMEs to participate in green tenders in other countries, while making it possible to change the production of their services towards ecological and environmentally friendly products, influencing the percentage of green tenders and of products available in the region's market.





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Action 4. Monitoring

A. Background (description).

For a good implementation of the sorted waste management system, it is required to monitor the project, with the analysis of the previous situation, and set an efficient monitoring system. For the correct assessment in the GPP implementation fixed in the Action Plan. It is an essential part of the process to identify the goals achieved, the risks to face and the corrections to apply.

Monitoring of Action 1 will show the impact of the awareness campaign (social posting and media campaign, meetings organized by the environmental educators).

Monitoring of Action 2 will measure the impact of the sorted waste management experience, digitalised thanks to an electronic monitoring system.

Monitoring of Action 3 will involve the analysis of the quantitative and qualitative results of the capacitation action.

B. Activities

Activity 4.1 Survey system

At least two survey waves among the citizens will be carried out in each municipality. The first one will be launched just before the beginning of the new sorted waste collection service, as a pilot survey and to obtain the information of the previous situation. A second survey will be launched 6 – 10 months after the new service starts. The aim is to know the value for the citizenship. The most important indicators:

- Consideration of the information and awareness campaigns for the new collection system.
- Situation of the street for the new service (free of obstacles, cleanliness...) before and after the service.
- Technical consideration of the service (schedule of collective days, etc.).
- Satisfaction about the new service compared to the previous one.
- Would return or not to the previous model

This survey could be organised by online forms, due to covid restrictions (google forms)





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Activity 4.2 Digital monitoring (chip control)

Computerized monitoring.

Quantitative report (analysis of the collection service in each municipality).

A computer system will be set up to control the service and users. The minimum equipment to be installed to perform the monitoring system:

- UHF RFID automatic identification system for collection vehicles.
- On-board computer (display, keyboard to include the input information and transmission of information. Positioning by GPS via GPRS / 3G).
- Weighing system in the same vehicle.
- External buttons on the back of the collection vehicles, for the incidents inputs by the technicians - operators.
- Wrist UHF RFID identification system, (GPS and GPRS connection) in each collector.
- Smartphone with UHF RFID with GPS and GPRS connection as backup equipment (one per vehicle)

This technology and the chips in the buckets and containers will give relevant data, e.g. the user collection waste flow, total weight of waste collected by each municipality, etc.





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Activity 4.3 Quality control - inspector

A new role will be established with the final purpose to control the service: the quality control – environmental inspector. A professional will be hired full time with exclusive dedication with tasks of controlling the compliance of the requirements through the data from the computer control system, and ensure the correct provision of the service. Among his / her functions:

- a. Answer to the requirements of the municipalities in relation to the service.
- b. Control the service offered to the users.
- c. Collect and manage all the quantitative and qualitative information from the service.
- d. Evaluate the collection service.
- e. Improve the public perception of the service.
- f. Check the correct fulfilment of the contract with the tender company.
- g. Coordinate environmental educators
- h. Coordinate the internal and external communication flow.

C. Stakeholders involved

CEACV (Environmental Educational Centre) will lead the training of the quality control.

Environmental vice-minister in the Region, will be updated about the results of the service in order to disseminate the good experience to other areas in the Valencian Region.

The local municipalities involved in the service will be in constant contact with the inspector, to get the information and help in the monitoring service.





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D. Lesson learned

There have been some good practices learned thanks to the GPP – Stream project, about the implementation of monitoring systems, such as the “Monitoring system of the Metropolitan City of Turin and Arpa Piedmont Italy”, where they have developed some detailed monitoring and calculating systems for CO2/energy savings.

Another good example is the “Sardinia Regional Action Plan on GPP (2009-2013) Italy”, with the development of a technical - operating manual for the interpretation and use of Green Criteria in the purchases of the regional administration and local authorities divide by categories, among them “waste management”.

Entrusting a municipal waste management service with reduced environmental impact in a life cycle perspective pursuant to the PAN (Ministerial Decree of 13 February 2014)

E. Timeframe

September 2020- July 2022

F. Costs

Salaries (included in the the sorted waste selection service) = 35.590,04 €/ year

Funding sources

Municipalities budget, participation in the sorted waste selection service

A. Expected impact

The expected impact of the monitoring activities is proper cities with better efficiency in the waste selection and the correct implementation of this service.

The monitoring action (survey, computerized data and inspector role) will help to know the success of the service with data and compared the best actions taken and corrections needed. As a result, the importance of reporting the results of the service will be considered as essential in these sort of tender. More detailed information will be available in procurement processes.





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Monitoring of the Action Plan.

This action plan will be continuously monitored by a **controlling committee**, composed by some local representatives in the municipalities and technicians. They will organise different meeting during the year and will be in charge of publish a qualitative annual report of the service, including the green products and services, adaptation of green criteria by local councils and the way it improves people live.

This commission will be coordinate by one MANRA representative, and will meet every 6 months to evaluate the development of the service, the improvements needed, goals achieved, measures to adapt.

Indicators

- Amount of the service / costs
- Parties involved in implementation and monitoring.
- Progress of the activities implemented. % of recycled waste achieved.
- % sorted waste.
- Problems, improvements needed, obstacles found.
- Consideration by the citizenship (satisfaction, improvement, ... according the survey results)
- Number of professionals capacitated in GPP (Number of the participants in the activities for capacity raising of the interested parties)





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ANNEX. CALENDAR

		'20	'20	'21	'21	'21	'21	'22	'22
A.	TOPIC	J-S	O-D	J - M	A-J	J-S	O-D	J - M	A-J
1.1	Information campaign								
1.2	Environmental educator								
2.1	Elaboration of a regulation service								
2.2	Door to door system								
3.1	Guideline								
3.2	Training sessions								
3.3	Helpdesk								
4.1	Service: Survey								
4.2	Digital monitoring (chip control)								
4.3	Quality control - inspector								





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**Mancomunitat
de la Ribera Alta**

NIF: P9600005D

Patrimoni



Action Plan GPP-Stream Mancomunitat de la Ribera Alta (MANRA)



Date: 14 / 10 / 2020

Mancomunitat de la Ribera Alta (SPAIN) PP8

Signature:

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MANCOMUNITAT DE LA RIBERA ALTA

Código Seguro de Verificación: KJAA EYH4 UYMJ CXMH 4DJP

Action Plan GPP per a signar - SEFYCU 2168678

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