



Navarra circular

Creando puentes para el desarrollo
y la innovación local.

Nafarroa zirkularra

Zubiak eraikitzen bertako garapen
eta berrikuntzarako.



Guide to good practices in the circular economy with a leader approach

Guide to Good Practices in the Circular Economy with a Leader approach

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Published by: Navarra de Suelo y Vivienda SA, NASUVINSA

Av. de San Jorge Etorbidea, 8

31012 Pamplona, Navarra

<https://www.nasuvinsa.es>

Edition: October 2019

Financing: Funded by the Department of Rural Development and the Environment of the Government of Navarre.

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Fundación Vida Sostenible (www.vidasostenible.org)

Local Action Groups of Navarre

- Cederna Garalur
<http://www.cederna.eu/>
- Consorcio Eder - Development Strategies of the Ribera de Navarra
<https://www.consortioeder.es/>
- Asociación TEDER - Tierra Estella Rural Development
<http://www.teder.org/>
- Local Action Group of the Zona Media de Navarra
<https://www.navarramedia.es>

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Creating this Guide to Good Practices has been possible thanks to all the people, companies and entities that have collaborated in the identification and collection of information for producing the good practice information sheets. This guide presents different cases from the rural environment of Navarre, but there are many other equally interesting projects that we have not been able to include. We encourage anyone who reads the guide to ask the Navarre Local Action Groups about these projects.

Legal deposit: DL NA 2343-2019



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01 What is the circular economy? What challenges does it involve?

According to the Ellen MacArthur Foundation, the world's leading organisation in this area, *"In a circular economy, the value of the products and materials is kept for as long as possible, waste and resource use are reduced to a minimum, and the resources are kept within the economy when a product has reached the end of its useful life, with the aim of using them over and over again and continuing to create value".*

Therefore, unlike the traditional economy, the circular economy incorporates the 3 Rs in the whole value chain process: Reuse, Recycling and Reducing waste.

These key elements have guided the Regional Government of Navarre in the establishment of work models for production, consumption and waste in the following sectors:



• In production

eco-design of machines and components and energy labelling of packaging; use of renewable energy in processes, industrial symbiosis; use of the best available techniques in processes and the use of cleaner and more efficient technologies in the consumption of raw materials, water and energy; use of circular supplies (renewable, recyclable, reusable, biodegradable) and alternatives to critical raw materials and sustainable events.



• In consumption

monitoring systems; payment models based on availability, use or results; incorporation of digital technology, IoT (internet of things); "remanufacturing" and "recyclability" of components and equipment; collaborative economy and shared management and use of equipment.



• In waste

extended producer responsibility; use of waste and by-products in the production and distribution process.

The Navarre Local Action Groups Cederna Garalur, Consorcio EDER, Consorcio de Desarrollo de la Zona Media and Asociación TEDER

carry out dynamisation and cooperation work based on the LEADER approach of the European Agricultural Fund for Rural Development (EAFRD) in their territories, and in this project LURSAREA, the Navarre Territory and Sustainability Agency, acts as coordinator, with the financing of the Department of Rural Development and the Environment of the Government of Navarre, with the four main priority areas being: energy saving and efficiency and promotion of renewable energy sources; collaborative economy; waste and water management; and sustainable tourism.



cederna garalur

- Cederna Garalur is committed to the circular economy through the sustainable and responsible use of the endogenous resources of the Montaña de Navarra region. It promotes energy efficiency, the use of renewable energies such as biomass, the consumption of quality local products, the transformation and generation of by-products and the proper management of scrap and waste, favouring the generation of employment and strengthening social, economic and political relations in the towns and districts of the Montaña de Navarra.



- Consorcio EDER focuses its efforts on the economic sectors in the Ribera de Navarra. It has prioritised its regional strategy of smart specialisation for a sustainable, innovative and comprehensive development of its economy and employment, for the Agri-food, Renewable Energy Production, Efficient Construction, Tourism and Creative

and Cultural Industries sectors, and especially, within these, in the different components of the gastronomic tourism value chain which is a flagship activity for the region.



- The Asociación TEDER undertakes activities in the areas of savings, energy efficiency and promotion of renewable energies, the promotion of the collaborative economy based on sustainability, mainly in the field of tourism and the local agri-food products, and other actions that encourage diversification and the sustainable development of the territory.



- Consorcio de Desarrollo de la Zona Media focuses on training and raising awareness about the circular economy in the rural environment, with citizens, SMEs and local entities, with the aim of improving waste management, reducing energy and water consumption, boosting local commerce and increasing the life of products. The group is working to raise the profile of the organisations in the territory employing processes and initiatives that are more sustainable and environmentally friendly.

This Guide to Good Practices in the Circular Economy with a Leader approach aims to promote these circular economy implementation processes, as well as to serve as a support tool to inspire more good practices; that is, to encourage similar, complementary and improved new initiatives to respond to the challenge of building a sustainable world.

Legal framework of the circular economy

In 2010, the conclusions of the European Council on “sustainable materials management and sustainable production and consumption” put the circular economy on the agendas of the Member States.

In 2015, the European Commission issued the statement: “Close the loop: an EU action plan for the Circular Economy” with which it adopted an action plan to help accelerate Europe’s transition to a circular economy, boost global competitiveness, promote sustainable economic growth and generate new jobs.

The action plan established 54 measures to “close the loop” of the product life cycle: from production and consumption, to waste management and the secondary raw materials market. It also determined five priority sectors to accelerate the transition throughout their value chains (plastics, food waste, critical raw materials, construction and demolition, biomass and biomaterials).

This commitment launched by the EU has been taken up by the Government of Navarre and this project, which includes numerous actions to promote the circular economy in the area of Navarre, Spain and Europe, is the result.

This field of action reinforces the EU’s global commitments, in particular to the United Nations Sustainable Development Agenda for 2030 and the G7 Alliance on Resource Efficiency. The transition to a circular economy will contribute to the achievement of the Sustainable Development Goals (SDGs) before 2030, in particular Goal 12, with a view to ensuring sustainable consumption and production models.



Criteria for the selection of the 45 good practices

The experiences that have been selected and presented as good practices are based on the following premises:

- They have a direct relationship with the territory of Navarre, within the scope of action of the Local Action Groups and outside them with local entities, companies and citizens, and with the rest of Spain and Europe. Importance is given to the demonstration value and local relevance of what is being done and the future challenges to be addressed.
- They connect with development agents involved in recognisable initiatives that provide value. For this purpose, practices of companies, agrarian organizations and business groups, consolidated companies and public entities such as municipalities and associations have been included.
- They are recent or newly initiated medium-term activities that show a process or a trend. It is true that the paradigmatic cases, such as the recycling of eggshells by the Navarre company Eggnovo to obtain health care products, is a notable, rapidly developed example of the circular economy, but others with apparently longer cycles or unclear timescales are no less demonstrative.
- They are related to any of the three “Rs” involving circularity (recycling, reduction and reuse) and fall within the areas of activity of collaborative economy, savings and energy efficiency, tourism and water and waste management.
- They reflect, as far as possible, a relationship with citizens and the collaboration of citizens in the exercise of circularity, either by selecting their waste, participating in awareness-raising processes in coordination with the actions of the Government of Navarre and other entities that operate in the territory, or connecting with each other or with companies to cooperate to promote sustainability in the life cycle of a product.
- They are actions that are transferable, either as a whole or in part. They should be actions that arouse interest and that stimulate the replication of some part of what has been read.

In conclusion, an attempt has been made to find a balance of places of origin and purposes, but, above all, these good practices have been selected as models of action that will raise questions and provoke interest. Behind all of them are promoters and entities with the same vision of circularity as a combination of need and opportunity.

04

How to read the information sheets

The 45 information sheets describing good circular economy practices have the same layout, so that the information can be easily located and interpreted.

They contain the following elements:

- **Title.** This allows the good practices to be located quickly.
- **Location map.** Map of Navarre to locate the good practices. The four Local Action Groups (Cederna Garalur, Asociación TEDER, Consorcio Eder, Consorcio de Desarrollo de la Zona Media) are identified with the profile of their territory on the map of Navarre.
- **Entity:** the organisation responsible for the good practice.
- **Contact:** website or other Internet presence.
- **Brief description:** a short summary of the meaning and significance of the good practice, in approximately 30 words.
- Information is provided on how economic, social and environmental values are reflected in the good practice, thus bringing together the three main parameters of sustainability.
- **The phases** of the good practice are presented in sequence, marking the main stages of their development.
- **SDGs (Sustainable Development Goals)** which shows the main SDGs to which each good practice contributes, among the 17 defined in 2015 to be completed in 2030.
- **Leader approach,** which reflects the proximity of the good practice to the principles of the Leader Programme, such as the empowerment of rural communities with which the Local Action Groups work through the leader approach.

Venta conjunta de madera quemada de coníferas

Localización: Añorbe, Artajona, Barasoain, Garinoain, Pueyo/Puiu y Tafalla

Zona media

Descripción breve

Esta es una iniciativa de coordinación entre diferentes municipios afectados por un gran incendio. El objetivo es la recuperación de la madera quemada para convertirla en biomasa.



Enfoque Leader

De esta buena práctica se pone en valor su contribución a la capitalización de recursos naturales degradados y la mejora en capacidades de las comunidades, gracias a la eficiencia administrativa y cooperación entre municipios.

Objetivos de Desarrollo Sostenible

7 Energía, 8 Trabajo decente, 12 Consumo responsable, 14 Vida submarina, 15 Vida terrestre

Fases del proyecto

01. Convenio de colaboración entre los ayuntamientos afectados por el incendio.

02. Creación de una iniciativa única conjunta para gestionar los trabajos forestales necesarios.

03. Establecimiento de compensaciones entre municipios.

Valores económicos

• Ahorro

Valores ambientales

• Residuos
• Paisaje

Valores sociales

• Cooperación social

Más información

Entidad: Consorcio de Desarrollo Zona Media de Navarra
Contacto: <https://navaramedia.es/>

Contributions of the good practices within the scope of the SDGs and the Leader approach

All the good practice information sheets indicate their contribution in the relevant fields of action: SDGs (Sustainable Development Goals), Circularity and the Leader approach. With regard to the SDGs, it is assumed that these represent the new goals to be achieved by entities around the world as a global consensus to achieve a viable world. They were defined by the United Nations with the motto of “leaving no one behind”. Regarding their scope, the good practices studied have an impact on 11 of the 17 SDGs.



Goal 1: End poverty in all its forms everywhere.



Goal 2: End hunger, achieve food security and improved nutrition and promote sustainable agriculture.



Goal 3: Ensure healthy lives and promote well-being for all at all ages.



Goal 4: Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.



Goal 5: Achieve gender equality and empower all women and girls.



Goal 6: Ensure availability and sustainable management of water and sanitation for all.



Goal 7: Ensure access to affordable, reliable, sustainable and modern energy for all.



Goal 8: Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all.



Goal 9: Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation.



Goal 10: Reduce inequality within and among countries.



Goal 11: Make cities and human settlements inclusive, safe, resilient and sustainable.



Goal 12: Ensure sustainable consumption and production patterns.



Goal 13: Take urgent action to combat climate change and its impacts.



Goal 14: Conserve and sustainably use the oceans, seas and marine resources for sustainable development.



Goal 15: Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss.



Goal 16: Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels.



Goal 17: Strengthen the means of implementation and revitalize the global partnership for sustainable development.

SUSTAINABLE DEVELOPMENT GOALS

The good practices include experiences geared towards SDG 4, for inclusive, equitable and quality education. In nearly half of the good practices, there is a focus on achieving SDG 6 (ensuring the availability of water and its sustainable management and sanitation for all), SDG 7 (ensuring access to affordable, safe, sustainable and modern energy for all) and SDG 9 (creating resilient infrastructure, promoting inclusive, sustainable industrialisation and encouraging innovation). There are actions that involve the use of new or recycled construction materials that reduce environmental impact and others that involve innovation in eco-design or waste reduction systems.

Also very demonstrative and relevant are the activities proposed by cities and towns in their relationship with SDG 11 (making cities and human settlements inclusive, safe, resilient and sustainable), with action on responsible consumption and the self-supply of clean energy and, in almost all cases, with the involvement of public and private agents collaborating in all phases of action.

Almost all of the practices contribute to SDG 12, which aims to ensure sustainable consumption and production patterns. Also, in a general way, the practices address achieving sustainable production by directly interacting with consumers and trying, for example, to avoid the overproduction of food that is not consumed.

In relation to the contribution of the good practices to the adoption of the Leader approach, an assessment has been made as to whether or not they:



- Promote local development in rural areas.
- Improve the competitiveness of primary producers by integrating them better in the agri-food chain.
- Increase the strength of the territories themselves and in connection with other bordering territories and throughout Europe.
- Promote citizen participation, from the bottom up.
- Facilitate diversification, creation and development of small businesses and job creation.
- Promote innovation, cooperation and development of the knowledge base in rural areas.
- Facilitate the entry into the agricultural sector of suitably trained farmers.
- Achieve a more efficient use of energy in agriculture and food processing.
- Facilitate the supply and use of renewable energy sources.

06

45

**good
practices**

Parque micológico Erro Roncesvalles



Location: Municipalities of Erroibar/Valle de Erro, Auritz/Burguete and Orreaga/Roncesvalles



Cederna Garalur

Brief description

Creation of an enclosed mycological park to avoid the threat of overexploitation of fungi resources through a process of communication, participation and coordination of all the people involved and generation of activity to reduce the effects of depopulation.



Project phases

01. Prior diagnosis of the territory: depopulation, overexploitation.
02. Mycological Park enclosure.
03. Communication and participation process with all the actors involved.
04. Signposting and management of the area.
05. Establishment of quotas (collection permits).
06. Monitoring plan for the mycological wealth and of the sustainability of the project.

Leader approach

Cederna Garalur works to ensure that public-private cooperation is implemented in a disadvantaged territory and that it provides an opportunity for sustainable territorial development.

Sustainable development objectives



Economic values

- Sustainable investment
- Gathering of resources



Environmental values

- Landscape



Social values

- Education & Training
- Raising awareness

More information

Entity: Janet Torrea Urbeltz

Contact: <https://www.parquemicologicoerro.com/>

Community composting point

 **Location:** Otsagabia



**Cederna
Galarur**

Brief description

The objective is the transformation of the organic fraction of municipal waste (OFMW) into quality compost, combining effective communication between social actors and appropriate technology.



Project phases

- | | |
|--|--|
| 01.
Communication work with social actors. | 05.
Handling of composting equipment (Jorakompost). |
| 02.
Selective collection of OFMW. | 06.
Measurement of quantity and quality of compost. |
| 03.
Measurement of quantity and quality of OFMW. | 07.
Use of compost in the community garden and other uses. |
| 04.
Construction of the installation and choice of technology. | |



Leader approach

This initiative has been given an excellent rating due to the impact on the local community and the local participation in its development.

Sustainable development objectives



Economic values

- Savings



Environmental values

- Materials



Social values

- Social cooperation
- Raising awareness

More information

Entity: Mancomunidad de Residuos Sólidos. Esca-Salazar/Salazar/Es-ka-Zaraitzu

Sakana Recycling Laboratory



Location: Registered office: Alsasua/Altsasu



**Cederna
Garalur**

Brief description

This laboratory aims to demonstrate the economic and social viability of the creative recovery and recycling of discarded products.



Project phases

01.

Collaboration with organisations and companies for the collection of discarded objects.

02.

Work with the materials collected to convert them into useful products.

03.

Learning various types of trades and skills necessary for the practice of creative recycling.

04.

Transmission of knowledge through training and dissemination.

05.

Sale of recovered and transformed objects.

Leader approach

The rating of the creation of this laboratory is very high thanks to the relations with the local community and the social innovation involved in the reuse of the resources of the local communities.

Sustainable development objectives



Economic values

- Job creation



Environmental values

- Materials



Social values

- Education & Training

More information

Entity: Asociación Batuta Sakana

Contact: <http://birziklaketalab.blogspot.com>

Compostable agricultural mulch

 **Location:** Sangüesa. Testing has been carried out in Sartaguda and Cadreita in Navarre.



**Cederna
Galarur**

Brief description

Agricultural mulch made of plastics is an environmental problem due to waste that is difficult to treat. Mulch based on compostable paper solves this problem.



Project phases

01.

Manufacture of compostable paper for agriculture, through an R&D initiative.

02.

Experimentation with inks and varnishes to change the agricultural characteristics of the base paper.

03.

Agreements with farmers and agricultural research centres for field trials.

Leader approach

This good practice is highly rated thanks to the relationships with the local communities of Sartaguda and Cadreita where the improvements developed have been applied to soils with a noteworthy application of the leader approach for public-private cooperation.

Sustainable development objectives



Economic values

- Job creation
- R&D



Environmental values

- Waste
- Climate
- Landscape



Social values

- Education & Training

More information

Entity: Smurfit Kappa Sangüesa

Contact: <https://www.smurfitkappa.com/es/locations/spain>

Organic milk and agritourism in Baztan



Location: Baztan



Cederna
Galarur

Brief description

The objective is to carry out intensive milk production for a precarious market. Jauregia Agroturismo has moved over to an integrated system of extensive organic production and sustainable tourism.



Project phases

01.

Reduction of production capacity and abandonment of the single sales channel to a large processor.

02.

Transition to organic production, recovering extensive traditional grazing techniques.

03.

Obtaining organic certification for the product.

04.

Consolidation of new short-radius distribution channels and fresh milk sales.

05.

Integration of agritourism activity.

Leader approach

This action is of particular interest because of the cooperation of promoters from the livestock sector with tourism and the creation of a company which has achieved certified quality.

Sustainable development objectives



Economic values

- Job creation



Environmental values

- Toxic substances
- Climate
- Landscape



Social values

- Raising awareness

More information

Entity: Jauregia Agroturismo

Contact: <https://www.jauregia.es>

Lizarraga Micro-network

 **Location:** Town Council of Lizarraga (Ergoiena)



**Cederna
Galarur**

Brief description

By coupling a photovoltaic installation with a disused municipal water tank, the Lizarraga council has created an electric micro-network almost completely disconnected from the general grid and with minimal environmental impact.



Project phases

01. Micro-network system design with renewable energy generation and storage.
02. Construction and operation of the system.
03. Activities to disseminate the initiative in the school community and other citizen organisations.
04. Development of a model of municipal micro-networks applicable to other situations.

Leader approach

Excellent and demonstrative experience of local innovation providing renewable energy technology and services to the local community, as well as transferability.

Sustainable development objectives



Economic values

- Savings
- Sustainable investment



Environmental values

- Energy
- Climate



Social values

- Reduction of inequalities
- Social cooperation
- Education & Training
- Raising awareness

More information

Entity: Sakana Garapen Agentzia
Contact: <https://www.sakanagaratzen.com/es/microrred-de-lizarraga>

Recycling of WEEE by people with disabilities



Location: Aoiz



Cederna
Galarur

Brief description

WEEE is a type of waste which is on the increase and involves complex management. In this initiative by FANE (Fundación de Aspace Navarra para el Empleo) this management process is combined with offering a working life to many people with mental disabilities.



Project phases

01.

Design and construction of the WEEE treatment plant with a refrigerator processing line.

02.

Agreements with integrated management systems (IMS) in Spain and France for the supply of materials to be recycled.

03.

Training activities with the people with disabilities working in the plant (90% of the staff).

04.

Expansion of the treatment capabilities of the plant to handle all kinds of WEEE.

05.

Investment in technological improvements to adapt to the pace of evolution of WEEE and growth of the workforce.



Leader approach

This project involves a positive impact on local cooperation for the creation of employment and stable companies and commitment to the environment.

Sustainable development objectives



Economic values

- Job creation
- Sustainable investment
- R&D



Environmental values

- Waste



Social values

- Reduction of inequalities
- Social cooperation
- Education & Training

More information

Contact: <https://www.aspacenavarra.org/planta-de-tratamiento-de-raeesecointegra-aoiz/planta-de-tratamiento>

La isla energética (energy island): renewable self-sufficiency



Location: Oskotz (Imotz)



Cederna
Galarur

Brief description

The Energy Island succeeds in combining the latest technology (system control apps and state-of-the-art photovoltaic cells) with very old recycling and material reuse practices in rural areas. The result is an island of self-sufficiency which is reproducible and well connected to the world.



Project phases

01.

General design of the system.

02.

Construction of the central component, the technological demonstration house and housing.

03.

Obtaining authorisation and support from the public authorities.

04.

Testing of the operation of the system. Demonstration activities with volunteer groups.

05.

Design of forms of the energy island applicable to various urban and industrial situations.



Leader approach

Excellent rating due its capability to demonstrate innovation at the technological and social level and its transferability to other rural environments.

Sustainable development objectives



Economic values

- Savings



Environmental values

- Water
- Energy
- Waste
- Climate



Social values

- Reduction of inequalities
- Education & Training

More information

Entity: Planet Energy S.L.

Contact: <http://www.planetenergynow.com/>

Granja escuela Ultzama



Location: Lizaso



Cederna
Garalur

Brief description

The commitment of the Fundación Ultzama to providing sustainable food and efficient construction is embodied in the Granja escuela Ultzam (Ultzama School Farm) project. The goal? To work towards a more sustainable world.



Project phases

01.
Opening of the Ultzama School Farm.

02.
The Caracol-Slow Food School project is launched.

03.
Opening of the educational and bioclimatic Mikaela cheese factory.

04.
Management of the Robledal Natural Recreational Area in Orgi begins.

Leader approach

The high impact is due to local public-private cooperation and local empowerment based on a talented and committed team and a local natural area that allows this potential to be demonstrated.

Sustainable development objectives



Economic values

- Job creation
- Savings



Environmental values

- Waste
- Landscape



Social values

- Social cooperation
- Education & Training
- Raising awareness

More information

Entity: Fundación Ultzama

Contact: <https://www.granjaescuelaultzama.com>

Local biomass heat network in Bera

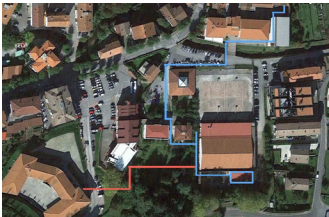
 **Location:** Bera



**Cederna
Garalur**

Brief description

This project aims to change from using several diesel boilers, supplied by an expensive and polluting fuel brought from a distance, to a centralised biomass installation, fed with wood from local beech trees. This allows the Bera municipal buildings to be heated in a sustainable and carbon neutral way and at a much lower cost.



Project phases

- 01.**
Project development and design of technical alternatives.

02.
Construction and operation of the centralised heat network.

03.
Inclusion of more installations in the centralised network.
- 04.**
Replacing the biomass from the supplier with wood from local forests.

05.
Treatment and processing of local wood for use as fuel.

Leader approach

Excellent rating due its capability to demonstrate innovation at the technological level and transferability.

Sustainable development objectives



Economic values

- Savings
- Sustainable investment



Environmental values

- Energy
- Landscape



Social values

- Social cooperation
- Raising awareness

More information

Entity: Bera Town Council
Contact: <http://bera.eus/>

The environmental footprint of cheese



Location: Abárzuza



Teder

Brief description

This project seeks to create a transferable tool adapted to the nature of the local livestock for measuring the environmental footprint of sheep's cheese.



Project phases

01.

It is initially based on the methodology of the 14 PEF (Product Environment Footprint) parameters of the EU.

02.

Adaptation to the dairy industry (Infographics Tool).

03.

Testing and adaptations to the actual situation of farms in Navarre.

04.

Choice of type exploitation and parameter measurement.

05.

Dissemination of the results and preparation of a catalogue of recommendations.

Leader approach

Excellent rating due its capability to demonstrate innovation at the technological and social level and transferability.

Sustainable development objectives



Economic values

- R&D



Environmental values

- Water
- Energy
- Materials
- Toxic substances



Social values

- Education & Training

More information

Entity: Asociación TEDER

Contact: <http://teder.org>

The carbon footprint of asparagus from Navarre



Location: Tierra Estella region



Teder

Brief description

The measurement of the carbon footprint of the PGI Navarre asparagus provides a guideline for reducing its environmental impact and for improvement of its quality and brand image.



Project phases

01. Delimitation of standard plots.
02. Carbon footprint calculation for 1kg of fresh and canned product.
03. Verification of the carbon footprint by an independent body.
04. Transfer of data to the Council of the PGI Navarre asparagus.
05. Sending of recommendations for reducing footprints to producers.

Leader approach

Value to highlight includes demonstration effect, technological and social innovation, transferability and strengthening of companies through brand quality.

Sustainable development objectives



Economic values

- Savings
- R&D



Environmental values

- Climate



Social values

- Education & Training

More information

Entity: Asociación TEDER

Contact: <http://teder.org>

Eneco 2 project



Location: Tierra Estella region



Teder

Brief description

A toolbox for the eco-innovation of SMEs for cross-border application (Navarre, Aragon, La Rioja, Midi-Pyrenees and Aquitaine) which includes training and personalised advice initiatives.



Project phases

01. Creation of the platform on eco-innovation.
02. Development and geolocation of the database of companies.
03. Development of training materials on eco-innovation.
04. Establishment of an advice channel for companies on the carbon footprint and accessible and sustainable tourism.

Leader approach

Noteworthy aspects include innovation, consolidation of companies and improvement in the capacities of the territories.

Sustainable development objectives



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



Economic values

- R&D



Environmental values

- Water
- Energy
- Materials
- Climate



Social values

- Education & Training

More information

Entity: Asociación TEDER

Contact: <http://teder.org>

Improvement of composting in Montejurra

 Location: Cárcar



Teder

Brief description

Pioneers in the selective separation of organic matter, the municipalities of Montejurra improve the quality of the compost obtained by adding waste from pruning and making other technical improvements. The aim is also to tell people about this activity to encourage citizen collaboration in the selective separation of organic matter.



Project phases

01.

Construction project for the new composting facilities.

02.

Execution of the work (August 2019).

03.

Awareness-raising tasks with the general public for the improvement of selective collection.

Leader approach

It is an initiative that is of particular interest because of its expansion, the improvement of sustainable production capacities of farmers and the synergy with other agents and territories.

Sustainable development objectives



Economic values

- Savings
- Sustainable investment



Environmental values

- Waste



Social values

- Raising awareness

More information

Entity: Municipalities of Montejurra

Contact: <https://www.montejurra.com>

Parque Ortutxo in Sartaguda



Location: A plot in industrial estate 2 in Sartaguda



Teder

Brief description

An unused plot of 12,000 square metres in Sartaguda is where the neighbourhood initiative “Parque Ortutxo” has been created, where spaces for socialising coincide with those to demonstrate the circular economy.



Project phases

01.

Process of neighbourhood participation in the design of the park and its activities.

02.

Construction of a bioclimatic demonstration house.

03.

Installation of new elements of circularity, such as a community composter.

Leader approach

Excellent rating for the way it strengthens the local community, local cooperation and transferability.

Sustainable development objectives



Economic values

- Savings
- Sustainable investment



Environmental values

- Energy
- Landscape



Social values

- Social cooperation
- Raising awareness

More information

Entity: Sartaguda Town Council

Contact: <https://sartaguda.net/>

Tierra Estella against energy poverty

 **Location:** Municipalities of the Tierra Estella region



Teder

Brief description

This is an initiative that goes beyond processing the energy discount for households suffering from energy poverty: it performs a consumption analysis to achieve lasting improvements in energy efficiency.



Project phases

01. Signing of agreements with social organisations in the area, both municipal and NGOs.

02. Provision of the energy bill analysis tool developed by the Asociación TEDER.

03. Identification of households at risk of energy exclusion.
04. Training of the technicians in the social organisations in the field of energy efficiency.

05. Energy audits and bill analysis in households.

06. Training and dissemination of information on energy efficiency for users.



Leader approach

This project makes an important contribution to the consolidation of self-sustainable communities, in technological and social innovation and in local alliances.

Sustainable development objectives



Economic values

- Savings



Environmental values

- Energy



Social values

- Reduction of inequalities
- Social cooperation
- Education & Training

More information

Entity: Asociación TEDER
Contact: <http://teder.org/>

Recycling of flat screens



Location: Los Arcos



Teder

Brief description

New information and communication technologies are creating new types of very complex waste. An example is flat screens. Lurederra is developing recycling techniques and procedures capable of extracting rare metals and other valuable materials from these waste products.



Project phases

01.

Investigating the flat screen composition and materials to be processed.

02.

Organisation of the collection channels for the discarded screens.

03.

Design and commissioning of the mechanical recycling line.

04.

Design and commissioning of the chemical recycling line.

05.

Evaluation of the percentages of recycled materials obtained.



Leader approach

An excellent contribution in terms of technological and social innovation and in the creation of inclusive companies.

Sustainable development objectives



Economic values

- Job creation
- R&D



Environmental values

- Waste



Social values

- Social cooperation

More information

Entity: Lurederra Technology Centre

Contact: <https://lurederra.es>

Improving the selection of packaging waste



Location: Cárcar



Teder

Brief description

Plastic packaging waste needs special processing to properly separate its commercially useful fractions, such as PET and PEAT. The problem is solved with the incorporation of automatic separation technology using optical sensors.



Project phases

01.
Analysis of current trends in the selective separation of packaging waste, as well as the market for recovered plastic materials.

02.
Design of the expansion and improvement of the treatment plant.

03.
Installation and operation of automated selective separation systems.

Leader approach

Outstanding experience in terms of training in the territory for sustainability and applied innovation.

Sustainable development objectives



Economic values

- Sustainable investment



Environmental values

- Waste



Social values

- Education & Training
- Raising awareness

More information

Entity: Municipalities of Montejurra
Contact: <https://www.montejurra.com>

Sendero Starlight



Location: Tierra Estella



Teder

Brief description

A path on an abandoned railway line turned into a “Vía Verde” (“Greenway”). It has the Starlight Trail certificate that guarantees the possibility of being able to observe the stars and will result in significant energy savings in lighting.



Project phases

01. Measurements and mapping of the quality of the night sky on the Via Verde.
02. Obtaining the Starlight Certification and design of the astrotourism activity.
03. Analysis of the public lighting in the villages along the path and proposal of actions to reduce light pollution.
04. Development of agritourism activities.
05. Expansion of astronomical observation activities and renewal of the Starlight certification.



Leader approach

This path receives an excellent rating for its demonstration effect in the areas of strengthening local communities and providing social innovation.

Sustainable development objectives



Economic values

- Savings



Environmental values

- Energy
- Landscape



Social values

- Raising awareness

More information

Entity: Asociación Vía Verde del Ferrocarril Vasco Navarro

Contact: <http://teder.org/vasco-navarro/noches-del-vasco-navarro>

Butterfly micro-reserve in Lapoblación



Location: Lapoblación-Meano



Teder

Brief description

The butterfly micro-reserve in Lapoblación represents the emotional and practical involvement of an entire town in the protection of biodiversity and the creation of a new tourist resource.



Project phases

01.

Performing a census of lepidoptera.
02.

Preparation of El Castillo mountain.
03.

Creation of interpretation materials.
04.

Planting and distribution of plants that support butterflies.
05.

Seek Friends of the butterfly approval for the town.

Leader approach

This reserve contributes to the capitalisation of the territory and supports the construction of infrastructures capable of creating local employment and cultural and environmental intangible assets such as a territory brand (e.g. friends of the butterfly certificate).

Sustainable development objectives



Economic values

- Promotion



Environmental values

- Landscape



Social values

- Social cooperation
- Raising awareness

More information

Entity: Organisation responsible
Contact: <http://www.lapoblacion.es/inicio/>

Replacement of materials in the Arguiñaniz bakery



Location: Council of Arguiñáriz,
Guirguillano.



Area
Average

Brief description

A bakery and flour mill with three decades of experience working with organic bread, in the small town of Arguiñáriz, decided to take another step towards circularity and sustainability by eliminating plastic from its packaging.



Project phases

01.

Acquisition and milling of organic wheat and rye to make whole wheat bread.

02.

The bran (5%) is sold to farmers as organic feed.

03.

Obtaining an organic label audited by the CPAE (Council for Ecological Agricultural Production).

04.

End of purchasing cereal for grinding, replaced by direct purchase of flour with organic certification.

05.

Replacement of the plastic packaging for bread and flour with biodegradable and compostable plasticised paper.

06.

Agreement with the association Ekoalde Elkarte, which puts organic producers in contact with consumer companies and institutions.

Leader approach

This project stands out for its demonstration effect and for strengthening companies through technological innovation.

Sustainable development objectives



Economic values

- Sustainable investment



Environmental values

- Waste
- Materials



Social values

- Social cooperation

More information

Entity: Arguiñaniz bakery

Contact: <https://www.pandearguinariz.com/>

Ecofuego: recovery of biomass



Location: Lapoblación-Meano



**Area
Average**

Brief description

This project involves the use of pallets and sawdust from sawmills for the manufacture of pellets and chips for use in heating, recycling directly by using the chips to generate heat to dry the sawdust.



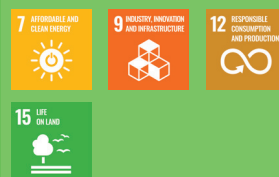
Project phases

01.
Collection of disused pallets from factories.
02.
Collection of pine and beech sawdust from a sawmill.
03.
Manufacture of wood pellets and chips.
04.
Use of heat from the chips for drying sawdust that will be used in manufacturing.

Leader approach

An initiative of particular interest because of the sustainable production of wood by-products and the creation of stable jobs.

Sustainable development objectives



Economic values

- Savings
- Sustainable investment



Environmental values

- Energy
- Waste
- Materials



Social values

- Education & Training
- Raising awareness

More information

Entity: Ecofuego

Contact: <http://www.ecofuego.net/>

Joint sale of burnt coniferous wood



Location: Añorbe, Artajona, Barásoain, Garínoain, Pueyo/Puiu and Tafalla



**Area
Average**

Brief description

This is a coordination initiative between different municipalities affected by a large fire. The goal is the recovery of the burnt wood to convert it into biomass.



Project phases

01.
Collaboration agreement between the municipalities affected by the fire.
02.
Creation of a single joint initiative to manage the necessary forestry work.
03.
Establishment of compensation between municipalities.

Leader approach

This is recognised as a good practice because of its success in capitalising on the availability of degraded natural resources and the improvement in community capacities through administrative efficiency and cooperation between municipalities.

Sustainable development objectives



Economic values

- Savings



Environmental values

- Waste
- Landscape



Social values

- Social cooperation

More information

Entity: Consorcio de Desarrollo Zona Media de Navarra

Contact: <https://navarramedia.es/>

Zona Media makes a commitment to efficiency and renewable energy

Entity: municipalities of the
Consorcio de la Zona Media



Area
Average

Brief description

The municipalities of the Zona Media agree on a two-year plan to bring energy efficiency and renewable energy to their towns and villages.



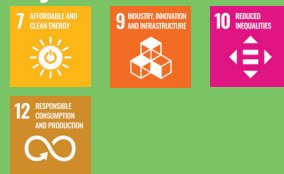
Project phases

01. Start-up of a technical support service for citizens, businesses and municipalities.
02. Launch of cloud-based energy management platform aimed at local organisations.
03. Creation of a solar map of the territory.
04. Training of technical and political personnel and awareness-raising talks.

Leader approach

This is considered a noteworthy initiative due to the way it has expanded and improved energy management capabilities in collaboration between municipalities.

Sustainable development objectives



Economic values

- Savings



Environmental values

- Energy



Social values

- Social cooperation
- Education & Training
- Raising awareness

More information

Entity: Grupo de Acción Local Zona Media de Navarra

Contact: <https://navarramedia.es/>

Recovery of used transmissions in Carcastillo



Location: Carcastillo



Area
Average

Brief description

GKN, a company with extensive experience in the manufacture of vehicle components, goes one step further and launches a process of remanufacturing used car transmissions.



Project phases

01.

Reception and classification of the used transmissions using an intelligent system.

02.

Determination of the commercial outlet for the recovered transmissions.

03.

Cleaning, disassembly, assembly and remanufacturing of transmissions.

04.

Layout of a used water purification circuit and other water collection and reuse circuits.

05.

Setting up of an automated system to maximise the energy efficiency of the factory.

Leader approach

This project contributes to improving the capacities of the territory and cooperation between companies.

Sustainable development objectives



Economic values

- Savings
- Sustainable investment
- R&D



Environmental values

- Energy
- Waste
- Materials
- Climate



Social values

- Raising awareness

More information

Entity: GKN Ayra Servicio, SA

Contact: www.gknautomotive.com

Renewable energy and fertilisers in Caparroso



Location: Caparroso



Area
Average

Brief description

This is a business initiative that converts slurry, a problematic waste, into energy and organic fertiliser for farmers in the area.



Project phases

01.

Agreement between the cattle farm and the company: construction of pipes for the transfer of slurry.

02.

Treatment of slurry and generation of energy and organic fertiliser.

03.

Distribution of fertiliser among farmers in the area.

Leader approach

This good practice is highly rated for the consolidation of self-sustaining communities, technological innovation and municipal cooperation, and also cooperation with livestock companies.

Sustainable development objectives



Economic values

- Savings
- Sustainable investment



Environmental values

- Water
- Energy
- Waste
- Landscape



Social values

- Raising awareness

More information

Entity: Hibridación Termosolar Navarra S.L

Contact: <http://htnbiogas.blogspot.com>

Eco-philosophy of Bodegas Ochoa



Location: Olite



Area
Average

Brief description

What can a winery founded in 1845 do to make the transition to sustainability? The answer is to return to the past, to organic production, but using the most modern techniques.



Project phases

01.

Implementation of an R&D project to reduce the environmental footprint of the winery (1994). Adoption of an approach to make the transition towards sustainability.

02.

Work to obtain CPAEN (Navarre Council for Ecological Agricultural Production) certification.

03.

Start-up of different projects: irrigation efficiency, zero carbon footprint, etc.

04.

Implementation of innovative technologies, such as the optimisation of irrigation through thermographic analysis of the land.

Leader approach

The project represents outstanding innovation at the technological and environmental level and the consolidation of companies committed to the territory.

Sustainable development objectives



Economic values

- Sustainable investment
- R&D



Environmental values

- Water
- Energy
- Climate
- Landscape



Social values

- Raising awareness

More information

Entity: Bodegas Ochoa

Contact: <https://bodegasochoa.com/>



Brief description

The Puente la Reina/Gares autonomy initiative is launching a citizen participation process to design a new supply model based on renewable energy.



Project phases

- | | |
|---|--|
| <p>01.
Preliminary studies in the mini-hydraulic plant.</p> <p>02.
Citizen participation process.</p> <p>03.
Analysis of the pattern of energy production and consumption in the municipality.</p> | <p>04.
Constitution of the steering group.</p> <p>05.
Proposal of initiatives for energy autonomy and recovery of public spaces for the community.</p> |
|---|--|

Leader approach

An outstanding experience involving the consolidation of energy capacities in order to achieve sustainability.

Sustainable development objectives



Economic values

- Savings



Environmental values

- Water
- Energy



Social values

- Social cooperation

More information

Entity: Town Council of Puente la Reina/Gares

Contact: <http://www.puentelareina-gares.es>

Use of waste for the manufacture of rock wool



Location: Caparrosa



Area
Average

Brief description

Rock wool is a very effective insulating material and in this case, manufactured using approximately one third of secondary raw material, based on industrial waste, it is more sustainable.



Project phases

01.

Use of industrial waste mixed with basaltic rock.

02.

Shipment of manufacturing waste to other industries (foundries).

03.

Recycling of its own waste.

04.

Recovery of energy from combustion.

05.

The Rockcycle waste recovery initiative for rock wool in the construction of buildings.

Leader approach

This initiative is highly rated for its demonstration of how to strengthen companies and maintain employment.

Sustainable development objectives



Economic values

- Savings
- Sustainable investment
- R&D



Environmental values

- Energy
- Waste



Social values

- Raising awareness

More information

Entity: Rockwool Peninsular SAU

Contact: <https://www.rockwool.es/>

Sustainable rural tourism in Ujué

 Location: Ujué



Area
Average

Brief description

This rural tourism project in Ujué is based on apartments for rural accommodation insulated with sheep's wool, heated in winter and air conditioned in summer using geothermal energy and solar panels that are also used for the overnight recharging of electric cars.



Project phases

01. Installation of a heat pump for the geothermal system and 20 photovoltaic solar panels for the supply of electricity, hot water and air conditioning.
02. Installation of a heat pump for the geothermal system and 20 photovoltaic solar panels for the supply of electricity, hot water and air conditioning.
03. Installation of a composter for pruning and household waste.
04. Use of organic fertiliser and biological control of pests in the olive groves.
05. Production of organic olive oil currently in the process of certification.

Leader approach

This project contributes to capitalising on the resources of the territory and supports the generation of infrastructure that empowers the town and its citizens.

Sustainable development objectives



Economic values

- Job creation
- Savings



Environmental values

- Energy
- Waste



Social values

- Raising awareness

More information

Entity: Agrovilla Ujué
Contact: <http://www.agrovillaujue.com/>

Trinquete: hospitality with added value



Location: Tudela (Navarre)



Eder

Brief description

Catering based on the products of the adjoining garden in which diners collect what they will then consume. In addition, waste is recycled in the form of compost.



Project phases

01.

Work in the vegetable garden and provisioning using local suppliers.

02.

Raising awareness and collection.

03.

Zero food miles service.

04.

Restaurant waste to compost and for the chickens.

Leader approach

It is an excellent example of commitment to the territory and to support the creation of alliances in a collaborative economy.

Sustainable development objectives



Economic values

- Job creation
- Savings



Environmental values

- Materials
- Landscape



Social values

- Raising awareness

More information

Entity: Trinquete cocina de hortal S.L.

Contact: <http://trinquete.squarespace.com>

RUMI – nerve centre for building material recycling



Location:
Cascante



Eder

Brief description

This project involves the recycling and management of construction and demolition materials to combat their environmental impact.



Project phases

01.

Provisioning using local construction suppliers.

02.

Certification and separation service.

03.

Recycling and reuse and sale of valuable waste.

Leader approach

This case has been selected as a positive example of the effort to complete the life cycle of construction materials in a sustainable way.

Sustainable development objectives



Economic values

- Job creation
- Savings



Environmental values

- Materials
- Toxic substances
- Landscape



Social values

- Raising awareness

More information

Entity: RUMI company – (CUBERO GOMARA N AND RUIZ RUIZ FJ)

Contact: @derribosygestionderesiduos

Palets Internorte: a second life for discarded wood



Location:
Villafranca



Eder

Brief description

The project involves the recycling and exploitation of wood waste for conversion into new pallets and crates for use in industry.



Project phases

01.

Provisioning using local suppliers from different sectors.

02.

Construction of pallets and crates.

03.

Recycling, reuse and sale of pallets.

Leader approach

This project is a very positive example of synergy with local environmental resources and the use of innovation.

Sustainable development objectives



Economic values

- Job creation
- Savings



Environmental values

- Materials
- Climate
- Landscape



Social values

- Raising awareness

More information

Entity: Palets Internorte S.L.

Contact: <http://www.paletsinternorte.es>

Colmado de la Tierra: meeting place with sustainable food



Location:
Tudela



Eder

Brief description

A meeting place for the encouraging, promotion and dissemination of natural horticulture, collaborative sale and purchase, eco-gastronomic tourism and support for entrepreneurs and businesses in a circular economy.



Project phases

01.

Provisioning from local suppliers.

02.

Raising awareness and education & training.

03.

Consumer groups and events.

04.

Training in recycling.

Leader approach

It is an excellent example of commitment to the territory and to support the creation of alliances in a collaborative economy.

Sustainable development objectives



Economic values

- Sustainable investment
- R&D



Environmental values

- Climate
- Landscape



Social values

- Social cooperation

More information

Entity: Fundación MasCotas Verdes

Contact: <https://www.facebook.com/elcolmadelatierra/>

Feria de Tudela: innovative place for seasonal food



Location:
Tudela



Eder

Brief description

A participatory and innovative tourist meeting place based on seasonal horticultural products, wine and oil, with the application of circular economy rules in the life cycle of the fair.



Project phases

01. Distribution of local produce.
02. Raising awareness about conscientious consumption.
03. Creation of local products.
04. Recycling rules throughout the fair (e.g. reusable tableware).

Leader approach

This project stands out for its commitment to the territory and support for the participation of the population in the territory and for the sustainable use of local resources.

Sustainable development objectives



Economic values

- Job creation



Environmental values

- Climate
- Landscape



Social values

- Social cooperation
- Raising awareness

More information

Entity: Consorcio EDER

Contact: <https://www.turismo-navarra.com>

TRASA: recycling and reuse of agri-food waste



Location:
Municipality of Milagro



Eder

Brief description

TRASA, a company involved in the treatment of agri-food waste, has succeeded in bringing together a group of industries in the same sector and competitors to form an organisation with a shared interest in the recovery and recycling of organic by-products generated in their business activity.



Project phases

01.

Provisioning using agri-food suppliers.

02.

Waste treatment service.

03.

Recycling and sale of material suitable for animal feed.

Leader approach

This good practice stands out for its cooperative effort for the sustainable handling of waste from the agri-food sector.

Sustainable development objectives



Economic values

- Savings



Environmental values

- Materials
- Landscape



Social values

- Social cooperation

More information

Entity: Tratamiento subproductos agroalimentarios S. L. (TRASA)

Contact: <https://www.trasa.es/>

Farm school and restaurant with seasonal products



Location:
Funes



Eder

Brief description

Here we find a restaurant with a vegetable garden menu but also an organic farm of its own, with a children's and adult environmental education service. It offers sustainable gastronomy and leisure activities, as well as awareness-raising and sports.



Project phases

01. Preparation of seasonal cuisine based on food from the vegetable garden.
02. Promotion of local cuisine with nearby suppliers.
03. Reduction of food waste.
04. School farm activities.
05. Leisure activities and getting to know the environment for adults.

Leader approach

It incorporates various activities within a single business, linked to a specific landscape.

Sustainable development objectives



Economic values

- Job creation



Environmental values

- Water
- Energy
- Waste



Social values

- Raising awareness

More information

Entity: Halconeras de Sancho IV

Contact: <https://halconerasdesanchoquarto.com/index.php>

The circular economy in Aceite Artajo



Location: Fontellas



Eder

Brief description

Aceite Artajo is a unique company from the Ribera de Navarra that takes sustainable management in its production of extra virgin oil seriously, through the implementation of internal recycling circuits and other circularity systems.



Project phases

01. Implementation of technology for efficient water consumption.
02. Recirculation of waste from pruning.
03. Organic agriculture procedures.
04. Transformation of olive vegetable water and pomace into fertiliser.

Leader approach

The project has a high demonstration value since it is an industry rooted in a particular landscape and traditional cultural practices.

Sustainable development objectives



Economic values

- Savings
- Sustainable investment



Environmental values

- Water
- Energy
- Waste



Social values

- Raising awareness

More information

Entity: Aceite Artajo

Contact: <https://www.artajo.es>

Tudela Comparte: recovering food and including people



Location:
Tudela



Eder

Brief description

Tudela Comparte seeks to reduce food waste from surpluses from local donated production and from its own crops on ceded land. This will allow the maintenance of a soup kitchen and the employment of women at risk of social exclusion.



Project phases

01.

Search for financing.

02.

Search for food surpluses and donors and putting disused agricultural land into production.

03.

Installation of the food multiprocessor plant and product marketing.

04.

Promotion of active participation in entrepreneurship in other social sectors.

Leader approach

Its positive impact is demonstrated in the fight against social exclusion.

Sustainable development objectives



Economic values

- Job creation



Environmental values

- Landscape



Social values

- Reduction of inequalities
- Social cooperation
- Education & Training

More information

Entity: Fundación Tudela Comparte

Contact: <https://www.facebook.com/TudelaComparte/>

La Casa del Reloj, coworking space in Tudela



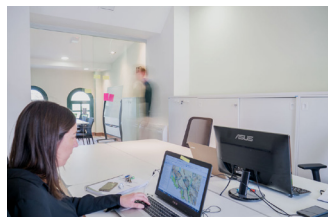
Location: Tudela



Eder

Brief description

The La Casa del Reloj project aims to create a hub for entrepreneurship and cooperation in the Ribera de Navarra that generates innovation synergies and new job opportunities.



Project phases

01.

Development of the Ribera de Navarra Regional Strategy for Smart Specialisation (ECEI RN).

02.

Creation of a coworker community.

03.

Start-up of the Casa del Reloj coworking space.

Leader approach

This experience brings together three Leader qualities: it was designed with local entrepreneurs, shares resources and strengthens users based on a common brand image.

Sustainable development objectives



Economic values

- Job creation
- Savings



Environmental values



Social values

- Social cooperation

More information

Entity: Espacio de Cooperación Ribera Navarra, Casa del Reloj

Contact: <https://lacasadelreloj.spaces> --- nexusdus.com/es

The compostable capsules of Afortunato



Location: Pamplona



Navarre

Brief description

The supply of food and packaging based on innovation in which consumers participate in the commitment to recycle waste in the form of compost.



Project phases

01.

The supplying of coffee from environmentally friendly suppliers.

02.

Raising awareness about recycling.

03.

Passive recycling of packaging.

Leader approach

The project stands out for its innovation in materials and possible transfer to other companies.

Sustainable development objectives



Economic values

- Job creation
- Savings



Environmental values

- Waste
- Materials
- Landscape



Social values

- Raising awareness

More information

Entity: Afortunato Alimentos Saludables S.L.L.

Contact: <https://afortunato.com>

Bulk “plastic free” packaging



Location: Pamplona



Navarre

Brief description

We go back to basics with food and packaging based on bulk sales and “zero mile” supply. In order to carry out awareness-raising activities with the same goals the support of a network of shops and suppliers has been added.



Project phases

01.

The supplying of local products from environmentally friendly suppliers.

02.

Raising awareness about recycling.

03.

Reuse and recycling of sustainable packaging (chlorine-free recycled paper and cardboard).

Leader approach

This project makes an important contribution based on the model of local sale and business cooperation.

Sustainable development objectives



Economic values

- Savings
- Job creation



Environmental values

- Materials
- Landscape
- Waste



Social values

- Raising awareness

More information

Entity: GRANEL COMMUNITY SLNE

Contact: <http://www.productosecologicosladespensica.com/>

NAdapta: Navarre adapts to climate change



Location: Navarre



Navarre

Brief description

The KLINA Climate Change Roadmap aims to reduce GHGs from 17% to 20% by 2030 compared to 2005 and make Navarre a sustainable and resilient territory.



Project phases

01.
Identification of 6 thematic areas of work.

02.
Creation of a multi-agent platform to develop a joint vision for each work area.

03.
Dissemination and Communication Plan.

Leader approach

It contributes to the empowerment of the rural territories and their natural resources.

Sustainable development objectives



Economic values

- Job creation
- R&D
- Sustainable investment



Environmental values

- Energy
- Materials
- Landscape
- Climate



Social values

- Raising awareness
- Education & Training
- Social cooperation

More information

Entity: Government of Navarre, public companies and UPNA (Public University of Navarre)

Contact: https://www--navarra--es.insuit.net/home_es/especial/Proyecto+LifeNadapta/



Brief description

This initiative is aimed at the agricultural sector in order to improve practices by proposing the use of biodegradable plastic and guaranteeing the depositing of plastic that is not biodegradable in the appropriate container.



Project phases

01.

Diagnosis of the situation and management of plastic waste for agricultural use in Navarre, by production areas Phase 2 depending on its use and type.
02.

Design, plan and implement the actions that allow the core principles of the circular economy to be applied in farms.
03.

Application of an appropriate methodology to test the optimal management system for each type of agricultural waste.
04.

Activities of dissemination, awareness raising and the promotion of good practices. Actions from the regional government to encourage the use of biodegradable plastics.

Leader approach

According to the criteria of the leader approach, this practice is noteworthy for the training of farmers to maintain their farms in a sustainable way.

Sustainable development objectives



Economic values

- Savings
- Sustainable investment



Environmental values

- Materials
- Landscape



Social values

- Raising awareness

More information

Entity: Unión de Agricultores y Ganaderos de Navarra

Contact: <https://uagn.es>

Eggново: circularity in the egg production industry



Location: Villatuerta



Navarre

Brief description

This project provides new health care products generated from the recycling of eggshells.



Project phases

01.

Provisioning using suppliers from the egg production industry.
02.

Separation of the membrane and its components to create health products.
03.

Reuse of the shell for calcium by-products.

Leader approach

The initiative contributes to improving the capacities of the territory and inspires rural entrepreneurs.

Sustainable development objectives



Economic values

- Job creation
- R&D
- Sustainable investment



Environmental values

- Waste
- Materials



Social values

- Raising awareness

More information

Entity: Eggново S.L.

Contact: <https://www.eggново.com>

07

Conclusions

The experiences presented are very different both in their scope and the issue they address. From the four Local Action Groups of Navarre and the public company Nasuvinsa, a selection has been made of the most representative of those currently active in Navarre. In conclusion, it is clear that in the different areas they represent (business, public authorities, social agents, etc.) there is interest in applying the principles of circularity to the processes of production, management and consumption, and to use them to move towards a more sustainable society.

In the experiences included in this guide, both at national and European level, the idea of abandoning the “linear” economy of take-make-dispose and replacing it with an integrated and circular economy prevails in which what we used to call waste is the new valuable raw material. As a minimum, the aim is to reduce waste at the end of the product’s life cycle as far as possible. The concept of circularity has been around for four decades and reports, plans, conferences and legislative initiatives are being generated from the European Union to help member states to implement it in different areas. The question of public-private cooperation has also been raised, with the intention of demonstrating the viability of this new economy. In this regard, it is worth highlighting the promotional work of the Ellen MacArthur Foundation to accelerate the transition to circularity.

One of the purposes of this guide is that whoever reads it identifies with one or other of the good practices presented, extracts lessons, comments on and disseminates them; exploring those that are of interest in more depth, through both contact, analysis and evaluation, to replicate the ideas in their work and, of course, to improve them.

Circularity can become a lifestyle that we adopt in our daily lives and citizens can be the protagonists of the new economy by putting that circularity into practice on a daily basis. For example, if we think about the problem of household waste, we might immediately ask: How can we avoid or at least reduce this? The answer lies in following the models provided by nature more closely, where what is no longer useful in one cycle then plays its role in another. There is no doubt that putting the circular economy into practice will make us stronger and more adaptable to all the challenges we face.

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Ten things to avoid in the circular economy

1. Relying solely on technique and forgetting people

Circular economy initiatives rely on society, even in the case of seemingly exclusively technological initiatives. It is necessary to ask people about their expectations and their position with regard to any circular economy initiative that might be devised and that affects them.

2. Thinking that the circular economy is only about recycling waste

Designing systems to close the loop of materials is essential. But sometimes the part of reducing the flow of materials is forgotten. These are much more effective in reducing our environmental footprint than any initiative for the selective collection of used and disposable clothing.

3. Lack of indicators

Without indicators we will not know if things are going well or badly. These must be related to the size of the initiative, establishing percentages. It is also necessary to show progress over time in order to know if things are going well or have become stuck.

4. Confusing the circular economy with publicity

Clean campaigns are meritorious actions, but they are not the circular economy, but corporate communication actions. The circular economy, on the other hand, is not superficial, but involves the core of the business, the heart of the activity of the company or organisation.





5. Becoming obsessed with certifications and labels

Certifications and eco-labels are important and necessary, but sometimes they become an end in themselves.

6. Forgetting the past

A characteristic of the circular economy is that it is ultramodern but at the same time is the traditional way of operating the economy. It is important to find out how our ancestors solved many problems, but with the advantage that we also have advanced technology.

7. Using jargon to explain the initiative

The best way to publicise a circular economy initiative is to use simple words that describe exactly how the core idea works.

8. Ignoring the ecosystem of everyday life

The circular economy in large industry can be based on advanced process technology. But, in general, the daily or domestic sector of the circular economy remains relatively unexplored.

9. Staying in the “green” niche

Identifying a circular economy initiative solely with environmentalism can greatly limit the public that could enjoy and take advantage of it. The circular economy should help solve the problems of the majority, not serve a small elite with money and awareness.

10. Focusing on a single component of the circular economy

Focusing on the environmental aspect and forgetting the social and economic components can lead to a situation in which if all three elements do not work at the same time, nothing works.

10

Recommended resources on the circular economy

• Websites

- Ellen MacArthur Foundation

The Ellen MacArthur Foundation is a registered charity in the United Kingdom. It aims to inspire rethinking, redesign and build a positive future through the circular economy.

<https://www.ellenmacarthurfoundation.org/>

- Madrid por la Economía Circular (Madrid for the Circular Economy)

Community of Madrid website which promotes the circular economy, with an extensive presentation of cases *and materials to apply*. <http://www.madrid7r.es/experiencias>

- Circular Design

Useful website about materials and guidelines for eco-design.

<https://www.circulardesignguide.com/methods>

- ZERO WASTE NGO

Website of a European network of activists campaigning for the circular economy.

<https://zerowasteurope.eu/>

- European Commission - DG Environment

European Commission website for the circular economy action plan.

https://ec.europa.eu/environment/circular-economy/index_en.htm

• Social Media

- Fundación para la economía circular.

Relevant Facebook group.

<https://www.facebook.com/economiacircular/>

- rTEAM - Recycling, environment, green economy and sustainable development

A circular economy LinkedIn group with many followers.

<https://www.linkedin.com/groups/12124212/>

• YouTube

- Economía circular: descubre lo que es antes de que reviente el Planeta (Circular economy: discover what it is before the planet breaks).

Powerful video with facts and visions of the future.

<https://www.youtube.com/watch?v=Lc4-2cVKxp0>

- La economía circular en 4 minutos (The circular economy in 4 minutes).

Presentación sencilla del concepto de la economía circular y sus fases.

<https://www.youtube.com/watch?v=ZEgLWrMJd2M>

- Creating a circular economy: the challenges and opportunities for business

Video with striking and clear infographics published by The Guardian about the current situation in the world and the challenge of the circular economy

<https://www.youtube.com/watch?v=TtR1ibE8Zt0>



Navarra circular

Creando puentes para el desarrollo
y la innovación local.

Nafarroa zirkularra

Zubiak eraikitzen bertako garapen
eta berrikuntzarako.



Guide to good practices in the circular economy with a leader approach