

Navarra is... green

NAVARRA GREEN INNOVATOR

Gobierno de Navarra  Nafarroako Gobernua

Delegación en Bruselas | Bruselako Ordezkaritza





Presentation

European policies move towards comprehensive strategies that enable the creation of employment and high value-added companies. Among the priorities identified by the Commission are the Energy Union and Climate Action with the aim of ensuring that the regions have access to safe energy, with affordable prices for consumers and respectful of the climate. A more rational use of energy while fighting against climate change is a stimulus for the creation of new qualified jobs. The transition to a safe, competitive and a low carbon economy is the ultimate goal of these policies based on pillars such as energy diversification, an integrated market, energy efficiency, climate action, and research, innovation and competitiveness, to enhance clean and environmental technologies. Measures such as the circular economy, focused on the creation of quality employment, employment priorities, growth and investment, creation of industries and eco-innovative companies and or sustainable mobility are within the priorities of the Commission for the Union of Energy and climate action.

The EU Green Deal, launched in 2020, reinforces this European commitment towards a more sustainable economy and constitutes a roadmap with actions to boost the efficient use of resources by moving to a clean, circular economy, and to restore biodiversity and cut pollution.

Facing these challenges transversally from all economic sectors, as well as addressing the social challenges that the globalized world requires in the 21st century, is a task in which Navarra has a lot to contribute. In compliance with the programmatic agreement for 2015-2019, in 2017, the Government of Navarra approved the launch of the “Climate Change Roadmap for Navarra” (HCCN).

This roadmap responds to the need to develop, approve and implement an integrated and cross-sector environmental strategy in Navarra, also addressing the commitments taken on by Navarra with regards to climate change, and undertaking, among others, the international objectives of the Strategy of the European Union and the Paris agreement (COP21), encouraging the transition towards a low-emission economy, and a sustainable and resilient territory.



LOCATION

Navarra is located in northern Spain at the western end of the Pyrenees and has a 163-kilometer border with France. Its population is 640,356 in an area covering 10,391 square kilometres.

The main population centre is the capital, Pamplona-Iruña, with 340,000 inhabitants.

PLACE

Navarra is in **19th** place among the **271 European regions** with the highest levels of qualified people in science and technology.

MULTINATIONAL COMPANIES

Over **125** multinational companies from 20 different countries located in Navarra.

ECONOMY

Navarra, with a per capita GDP of **€31,809** in 2018, is in third place among the Spanish regions.

On the 6th of December 2015, in Paris, in accordance with the course proposed by the EU and together with around a hundred regions from all over the world, the Government of Navarra signed the initiative known as network Under2 MOU, which is led by the state of California (USA) and by Baden-Württemberg (Germany) with the commitment to reduce greenhouse gases by 80% by 2050, in comparison to the levels of 1990.

This document is the result of a proposal that reflects a collective reflexion process and complementary strategies and plans. It is a proposal that, taking its cue from the Government of Navarra itself, permeates and engages society as a whole. It is a coherent and responsible response that makes it possible to reach the agreed reduction targets, and which establishes the basis for every sector of our society to adapt to the effects of climate change.

The Roadmap is a cross-sector tool that requires the Government’s sectoral policies to be coordinated, for all territorial stakeholders to work together, and for society in Navarra to be committed and sensitive to sustainability, in order to achieve its objectives.

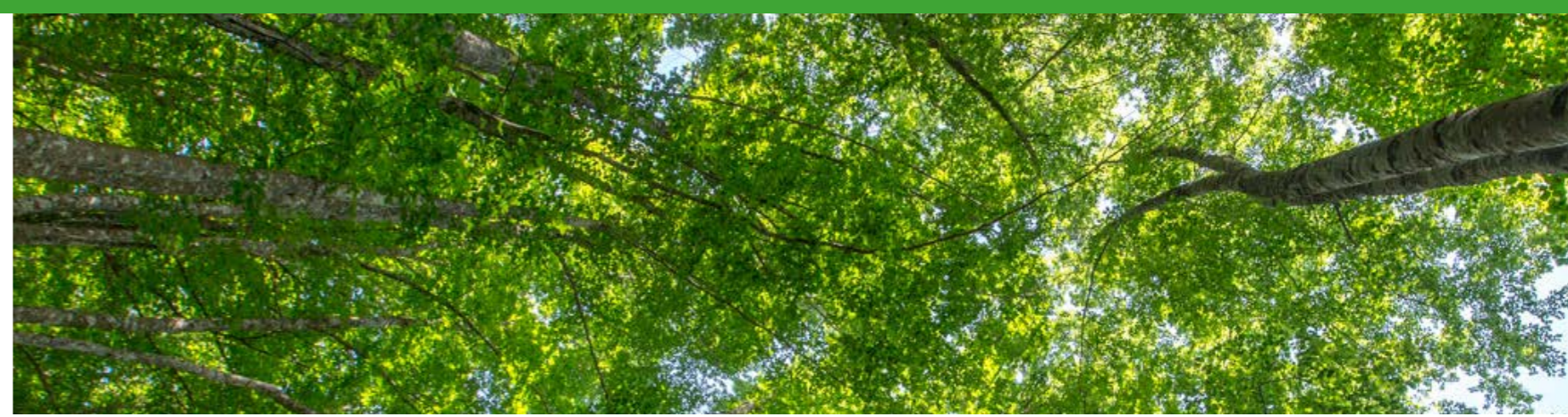
The process of developing the roadmap started with the presentation of the initiative in April 2016. Since then, there have been two parallel processes: on the one hand, the evaluation of the roadmap alongside the various sectoral plans of the Government of Navarra. On the other hand, a participatory process of information and debate with citizens and social sectors via various means: more than a dozen conferences, public debates and screenings of films, online information, etc

The roadmap sets forth short-, medium- and long-term deadlines (2020-2030-2050). It starts with the targets established by the various international bodies for 2020 and 2030, to guide Navarra towards a new energy model and structure for a sustainable society in 2050.



Navarra has been awarded with the 2020 European Entrepreneurial Region (EER) award from the European Committee of Regions, in collaboration with the European Commission. This recognition identifies and rewards EU regions which show an outstanding and innovative entrepreneurial policy strategy.

Climate Change Roadmap of Navarra



2011

Navarra Climate Change Strategy 2010-2020

The Government of Navarra approved its 2010-2020 Climate Change Strategy Navarra. Its (development) implementation was insufficient due to the economic crisis and resulting in budgetary insufficiency to address the problem.

2016

Climate change roadmap

In April, 2016 the Government of Navarra drafted, "the Climate Change roadmap of Navarra 2016". A consultation process was launched within the Government and in dialogue with civil society.

Navarra undertakes to reduce its total greenhouse gas emissions in comparison to the situation in 2005:

- > by 35% in 2020
- > by 45% in 2030

2018

New law on Waste and its taxation

The Government approved in June 2018 its new regional Law on Waste and its taxation. It introduced a high/quality separate waste collection, especially in relation to organic matter. It establishes a new taxation system that penalises waste sent to landfill and that creates a waste fund with the money collected. To these ends, Navarra created the Office for Waste Prevention and the Promotion of the Circular Economy.

2020

Progress on the draft law for climate change

The Government of Navarra decides to review the draft of the 2019 Regional Law on Climate Change and the transition of the energy model in order to align it with the European Green Deal. For this purpose, a new draft has been published and a new participation process opened in 2020 until the end of June in order to gather the citizens' views on the draft.

2015

Commitments, Programmatic Agreement, Paris Agreement (COP21), Programmatic Agreement of the Government of Navarra 2015-2019

The Programmatic agreement for the Government of Navarra during the 2015-2019 term, assumes the 20/20/20 commitment of the European Union (20% emission reduction, 20% higher energy efficiency, 20% final energy derived from renewable energies). Referring to: "An energetic model linked to environmental sustainability".

Paris Agreement (COP21), signed in Paris on the 12th of December, 2015, the Government of Navarra was present.

On the 6th of December, 2015, in Paris, the Government of Navarra, signed, together with a hundred regions around the world, the initiative called Under2Mou network, which is led by the State of California (USA) and by Baden-Württemberg (Germany) with the commitment

of emission reductions that lead to be, by 2050 80%-95%.

In 2015, the United Nations approved the 2030 Agenda for Sustainable Development, a universal roadmap to end poverty, fight inequality and injustice and tackle climate change, under the central motto of "Leave no one behind, with 17 Sustainable Development Goals (SDGs) and a system of indicators for monitoring them.

The Government of Navarra is firmly committed to the 2030 Agenda and this is reflected in the government program, being one of its 10 strategic axes. The Government is gradually aligning its social, economic and environmental policies with the SDGs. An online indicator viewer (<https://ods-agenda2030.navarra.es/>), with progress reports, ensures the monitoring of progress in achieving the SDGs and their goals in Navarra.

2017

Approval of the roadmap - Klina

The Government of Navarra approved the Roadmap to combat climate change, KLINA, an integrated and cross-sectorial environmental strategy.

The Roadmap sets forth short-, medium- and long-term deadlines (2020-2030-2050) to guide Navarra towards a new energy, economic and social sustainable model by 2050.

2019

New Agenda for Circular Economy and draft Law on Climate Change

The Government published an Agenda for Circular Economy for the region by 2030. It aims at a global and coordinated transition to a circular economy in the region and is structured in 3 axes: circular culture and a transversal impulse to circular economy; resources design and production; and transport, use, consumption and waste management.

The Government published a Preliminary draft of the Regional Law on Climate

Change and the transition of the energy model. Among its objectives are the following: reduction of emissions harmful to the health and the environment; reduction of energy consumption with measures that increase the energy efficiency; reduction of the use of fossil fuels; increased production and use of renewable energy sources; maximizing and facilitating administrative coordination in the action against climate change; or establishing fiscal measures, incentives and / or penalties in relation to energy efficiency, renewable energy and emissions.

Pioneer in Renewable Energies

Navarra is a pioneer and a benchmark at European level in the production of renewables, thanks to a historic technological and industrial commitment to their development and the application of new global standards for wind power.

Navarra has surpassed the European target set for 2020 in renewable energy sources: Since 2009, 21.3 % of total energy production in Navarra comes from renewable energy sources; this figure already surpasses the target of 20 % set by the European Union for the start of the next decade. Furthermore, in 2008-2013 it has consolidated itself as the third economic area in terms of number of patents, reaching 6.4 % of the total. Navarrais very well equipped with infrastructures and skills for the carrying out of R&D+i for the sector.

Renewable energies cover 81.1 % of electricity demand in Navarra, equivalent to the consumption of 911,000 homes (there are 240,000 in Navarra). Around 40 % of the energy produced is exported.

Alignment with Public policies

Energy Plan for Navarra Horizonte 2030

Since 2009,
21.3%

of total energy production in Navarra comes from renewable energy sources; this figure already surpasses the target of 20 % set by the European Union.



Leading Industry located in Navarra

Siemens Gamesa
Renewable Energy
1,600 employees

Acciona Energia
Energy
550 employees

Nordex Acciona
Windpower
950 employees

Ingeteam	Sakana
MTorres	Ríos Renovables
Naweco	Fluitemnik
Sapa	Nabrawind

Leading research & innovation centers based in Navarra

CENER
National Centre of Renewable Energies
200 researchers working
LEA Wind turbine research laboratory

CENIFER
National Reference Centre in Energies Renewables and Energy Efficiency
5,000 people trained
22 instructors
17 classrooms & labs

Navarre Smart Specialisation Strategy

We are committed to a socially and territorially cohesive Navarra, open and interconnected, made up of creative and entrepreneurial persons engaged in a modern and competitive economy, that stands out for its industrial strengths, its commitment to the environment, health and quality of life, in a setting of transparency and trust, to become a benchmark in sustainable development.



Navarrais a benchmark in European best practices in terms of production of renewable energies, with a long-standing technological and industrial commitment to its development, as it has in conservation and exploitation of natural resources and environmental management; and it has made the fight against climate change one of its major commitments.

SUSTAINABILITY

Energy efficiency

Final energy consumption in thousand TEP

Starting point	2020	2030	2040
1,799	1,700	1,650	1,600

Reduction of greenhouse emissions

Total reduction of emission of greenhouse gases from 1990 levels

Starting point	2020	2030	2040
22.8%	-20%	-30%	-40%

Navarra leading EU projects on climate change

Navarra in international networks



NEARLY ZERO ENERGY BUILDINGS (NZEB)

- » Budget: 80M€
- » Dates: 2017 - 2020
- » Coordinator: Nasuvinsa
- » Web: www.eib.org/projects/loan/loan/20160441

Construction of 524 energy efficient rented social housing units in Navarra with EUR 40 million loan under Juncker Plan.

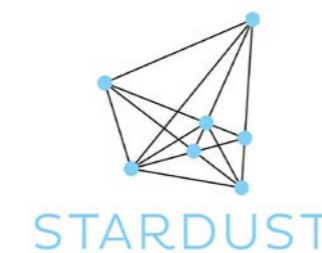


LIFE-IP NADAPTA CC

- » Total Budget: 15,56M€
- » Eu Contribution: 9,34M€
- » Dates: 2017 - December 2025
- » Coordinator: Government of Navarra
- » Web: <https://lifenadapta.navarra.es/en/>



Life-IP NAdapta CC towards an integrated, coherent and inclusive implementation of Climate Change Adaptation policy in a region: monitoring, water, agriculture, forestry, human health, infrastructures and landscape.



STARDUST (H2020 - SCC LIGHTHOUSE)

- » Total Budget: 21,09M€
- » Eu Contribution: 17,94M€
- » Dates: October 2017 - September 2022
- » Coordinator: CENER
- » Web: http://cordis.europa.eu/news/rcn/141797_en.html

The Stardust Project aims to transform present day cities to smarter cities through a holistic replication model.



FERTINNOWA (H2020 - WATER)

- » Budget: 3M€
- » Eu Contribution: 3M€
- » Dates: January 2016 - December 2018
- » Coordinator: Proefstation voor de groenteteelt
- » Web: www.fertinnowa.com
http://cordis.europa.eu/project/rcn/200554_en.html

The FERTINNOWA thematic network aims to create a meta-knowledge database on innovative technologies and practices for fertigation of horticultural crops.



LIFE AGROINTEGRA

- » Total Budget: 1,56M€
- » Eu Contribution: 0,77M€
- » Dates: July 2014 - June 2017
- » Coordinator: Government of Navarra
- » Web: <https://www.agrointegra.eu/en>



The LIFEAGROINTEGRA project aims to promote the most innovative tools available for Integrated Pest Management (IPM) in the agricultural sector as a viable alternative to the use of chemical pesticides. This project received the first LIFE award 2019 in the category of environmental projects.



LCA4REGIONS (INTERREG EUROPE)

- » Total Budget: 1,72M€
- » Eu Contribution: 1,43M€
- » Dates: August 2019 - July 2023
- » Coordinator: Government of Navarra
- » Web: <https://www.interregeurope.eu/lca4regions/>

Improved Environment and Resource Efficiency through the use of Life Cycle Instruments for the implementation of regional policies of the European Union.



FiberEUse (H2020 – CIRCULAR ECONOMY)

- » Budget: 11,94M€
- » Eu Contribution: 10,01M€
- » Dates: June 2017 - May 2021
- » Coordinator: Politecnico di Milano
- » Web: <https://fibereuse.eu>
http://cordis.europa.eu/project/rcn/210178_en.html

The FiberEUse project aims at integrating in a holistic approach different innovation actions aimed at enhancing the profitability of composite recycling and reuse in value-added products in Navarra with EUR 40 million loan under Juncker Plan.



SUSTAINAVILITY (H2020 - PDA)

- » Total Budget: 1,68M€
- » Eu Contribution: 1,68M€
- » Dates: February 2018 - January 2021
- » Coordinator: Government of Navarra
- » Web: *Under construction*

Its objective is to promote under the umbrella of the energy plan of Navarra, energy efficiency in the region of Navarra in 3 target groups: public entities (municipalities and public buildings), private buildings (citizens) and enterprises.



ENERINVEST (H2020 – ENERGY EFFICIENCY)

- » Total Budget: 1,92M€
- » Eu Contribution: 1,92M€
- » Dates: February 2016 - January 2019
- » Coordinator: Deloitte Advisory SL
- » Web: <https://www.enerinvest.es/en/>
http://cordis.europa.eu/project/rcn/200066_en.html

ENERINVEST aims to become the reference Spanish platform in the field of sustainable energy projects financing.



EE - METAL (H2020 – EFFICIENCY)

- » Budget: 1,72M€
- » Eu Contribution: 1,72M€
- » Dates: March 2016 - February 2019
- » Coordinator: AIN (Asociación de la Industria de Navarra)
- » Web: https://www.ee-metal.com/documentations/http://cordis.europa.eu/project/rcn/200065_en.html

The EE-Metal project aims to provide enterprises with innovative technical, commercial and financial tools in order to overcome the existing barriers that hinder the adoption of energy saving measures.



AGROGESTOR (LIFE)

- » Total Budget: 2,36M€
- » Eu Contribution: 0,68M€
- » Dates: 2017 - May 2021
- » Coordinator: INTIA
- » Web: <https://www.agrogestor.es/en/>

AGROgestor, for farmers across several regions of Spain, facilitates sustainable collective planning and management.



HABIOS (POCTEFA)

- » Total Budget: 2,2M€
- » Eu Contribution: 1,43M€
- » Dates: 2017 - 2020
- » Coordinator: GAN-NIK (Gestión Ambiental Navarra)
- » Web: <https://www.habios.eu/>

The project seeks to protect and improve the quality of Pyrenean mountain ecosystems through conservation actions for bioindicator bird species change and its impacts throughout the Pyrenees.



IREKIBAI (LIFE)

- » Budget: 2,99M€
- » Eu Contribution: 1,79M€
- » Dates: July 2015 - December 2020
- » Coordinator: Diputación Foral de Gipuzkoa
- » Web: <https://www.irekibai.eu/>

The LIFE IrekiBAI project aims to improve the conservation status of river habitats and species listed in the Habitats Directive that are found in the Natura 2000 sites located in the Bidasoa and Leizaran river basins.



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