



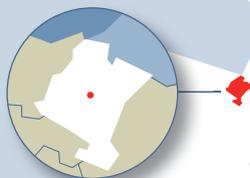
# VISION 2030

## STRATEGIC AREAS

- Biotechnology
- Renewable Energies / Environment
- Agrifood Industry
- Internationalization

## THE DRIVERS BEHIND NAVARRA'S PRODUCTIVE MODEL

# NAVARRA IN FIGURES



**Population:** 636,924

**Capital:** Pamplona

**Territory:** 10,391 Km<sup>2</sup>

**Standard & Poor's rating (October 2011):** AA+

**GDP growth in 2010:** 1.2%

**GDP per capita 2010:** 29,982 euros - 132.2% (EU27 = 100%)

**Expenditure on R&D:** 2.13% of GDP

**32<sup>nd</sup>** most prosperous region of the 277 European regions

**81.2%** of electricity demand covered by renewables in 2009

## GOVERNMENT OF NAVARRA

▶ [www.navarra.es](http://www.navarra.es)

## MODERNA Foundation

Strategic thinking process to face up to the new situation of the global economy

▶ [www.modernanavarra.es](http://www.modernanavarra.es)

## SODENA

Society for the Economic Development of Navarra

▶ [www.sodena.com](http://www.sodena.com)

## INVEST IN NAVARRA

Expert service organisation for attracting and promoting foreign direct investment in Navarra

▶ [www.investinnavarra.com](http://www.investinnavarra.com)



# MODERNA PLAN

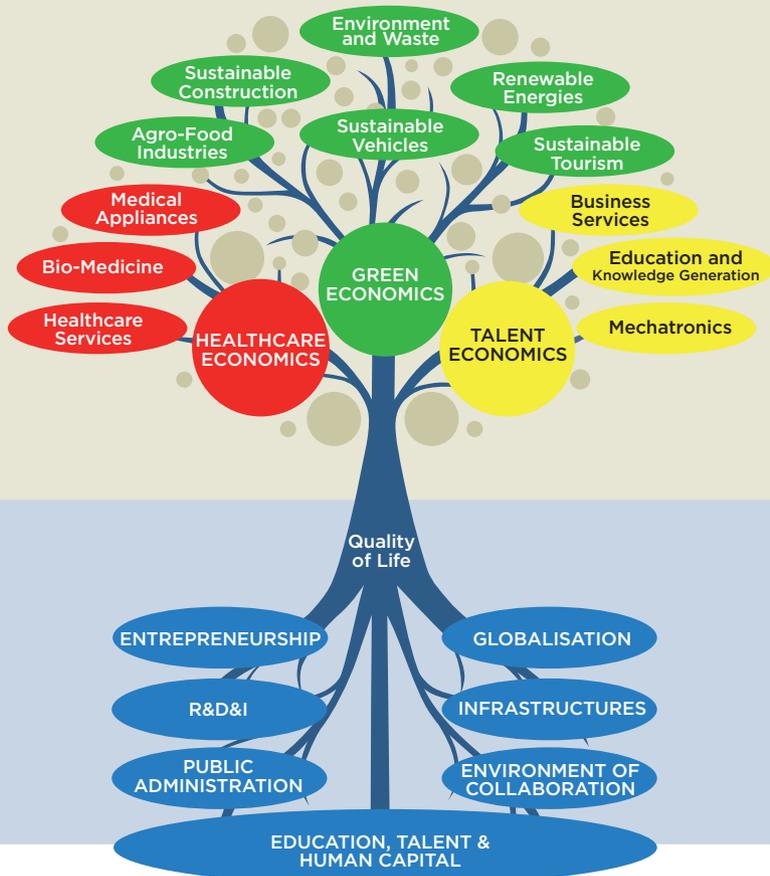
The **MODERNA Plan** is a strategy devised by the Government of Navarra together with other social and economic stakeholders with the aim of driving change in the region's productive model up to 2030. One of its objectives is to place Navarra among the 20 most prosperous regions in Europe (currently 32<sup>nd</sup>).

It is a model of intelligent specialization by Navarra, that is well-known and recognized in European Union fora such as the 9th European Week of Regions

and Cities (Open Days 2011) held in Brussels in October 2011.

**The European Investment Bank (EIB) will finance the development of the MODERNA plan with 250 million euros.**

This loan, which will fund business projects within the strategic sectors of **MODERNA**, reflects the support of European institutions for the Plan and the recognition of Navarra's economic trajectory.



# SODENA

**SODENA**, the Society for the Economic Development of Navarra, is the main instrument of the Government of Navarra for promoting business development in the region. It carries out investment and funding activities on a venture capital basis.

## RENEWABLE ENERGIES AND THE ENVIRONMENT

Over the last 20 years Navarra has become a world benchmark in a number of renewable energies. To achieve this, the Government of Navarra has worked extensively to determine renewable resources through support policies.

Energy planning in the region has been done by incorporating environmental and energy aspects; this model is being imitated in several other places. Navarra is now a world reference point in the production of clean energies, mainly wind power.



**SODENA** is particularly interested in driving innovative projects in the areas of biotechnology, renewable energies and the environment, the agrifood sector, and internationalization processes in general.

The main companies in Navarra with international operations in the sector are:

- Gamesa Eólica
- Acciona Energía
- M Torres
- Ecotecnia
- Ingeteam
- Grupo OPDE
- Fluitecnik
- Grupo Enhol
- Ríos Renovables

**CENER** (National Renewable Energy Center), set up in 2002 by the Governments of Navarra and Spain, is the most important technology center in the country working on R&D+i in clean energy sources. Together with **CENIFER** (a training organization for the renewables sector), it is a key factor in the harmonious development of the industry.

**SODENA** has played a key role in the development of the renewables sector. For example, it participated in the constitution of EHN (now Acciona Energía) and Gamesa Eólica.

**SODENA's** commitment to this sector is focused on the areas of energy efficiency and the development of alternative energy sources.

The Government of Navarra has worked with several companies based in the region in a number of trade fairs and exhibitions related to renewables. In the “Wind Power” fair in Dallas (May 2011), Navarra signed a collaboration

agreement with the state of Michigan for the joint development of technologies in the renewables sector and the search for technology and business partners, as well as knowledge transfer.

## OBJECTIVES OF THE GOVERNMENT OF NAVARRA: “III ENERGY PLAN OF NAVARRA: HORIZON 2020”

The general objective of the new “Energy Plan of Navarra Horizon 2020” is to maximize the role of the production, transformation and consumption of energy in the sustainability of Navarra from social, economic and environmental perspectives.

### Specific objectives:

- Increase self-sufficiency in primary energy above 21%.
- Generate 10% more electricity than is consumed, through renewables.
- Reduce final energy intensity by 18% in comparison to 2009.
- Exceed the energy objectives established by the European Union for 2020:

	Objectives Navarra 2020	Objectives Europe 2020
RENEWABLES IN FINAL ENERGY CONSUMPTION	<b>31%</b>	<b>20%</b>
RENEWABLES IN TRANSPORT	<b>11%</b>	<b>10%</b>
REDUCTION IN CONSUMPTION OF PRIMARY ENERGY	<b>30%</b>	<b>20%</b>
RENEWABLES / ELECTRICITY CONSUMPTION	<b>110%</b>	<b>29.40%</b>

## AGRIFOOD

The agrifood sector in Navarra is made up of more than 1,000 companies and 12,000 employees. The new regional government supports both young people entering the sector and the creation of agricultural companies, while continuing to support existing operations.

The consolidation of the Agrifood City of Tudela (**CAT**) as a benchmark for the sector is one of the most immediate objectives. The **CAT** provides added-value services such as a business center, a trigeneration power plant and a waste treatment plant, offering clear competitive advantages to companies setting up operations there.

Investment in the sector over the last 4 years has reached over 100 million euros. ‘Reyno Gourmet’ is the quality label that covers more than 100 agrifood companies in Navarra, and this differentiated label is present in more than 2,000 different product references.

The construction of the Canal of Navarra will extend the irrigated surface of the region by 50% to 146,000 hectares, i.e. 46% of available land.

**SODENA**'s commitment to this sector involves investing in innovative companies that are oriented to emerging markets with high growth potential.



## BIOTECHNOLOGY

Through the **MODERNA** plan, the Government of Navarra, together with the main players in the biotechnology sector –companies, universities, and technology centers–, is leading and preparing a strategy based on investment in the biopharmaceutical field, generating high-value-added jobs in the region.

The aim is to continue creating new companies and investing in existing ones, together with private investors, to undertake the initial phases of the development of a drug. The following areas of medical interest have been defined: oncology, rare diseases, cardiovascular, infectious and autoimmune diseases, central nervous system, respiratory and digestive.

In the last few months **SODENA** has been working on a comprehensive methodology regarding the search for molecules in research centers,

universities and companies. The first investment opportunities have been identified, together with third party investors.

**SODENA** is present in the main national and local biotechnology projects, some of the most outstanding being CIMA, Digna Biotech, 3P Biopharmaceuticals, Idifarma, Ojerpharma, Proretina, and specialized national funds (Ysios Biofund I, Suanfarma Biotech and Invready Seed Capital).

**CIMA** (Center for Applied Medical Research), the biggest private biomedical research center in Spain, is located on the campus of the Universidad de Navarra. It undertakes research projects that are financed by public and private bodies and give rise to scientific publications and results transfer. More than 350 scientists work in its laboratories and it has patented over 50 molecules.

## INTERNATIONALIZATION

In line with the internationalization strategy of the Government of Navarra, **SODENA** supports regional companies in their efforts to set up operations in other countries. It also works to attract foreign investment to Navarra.

**SODENA** –supported by a specialized international consultancy– particularly focuses on attracting direct foreign investment in sectors with high added value. **SODENA**'s financial support in this area is materialized through venture capital, but always with a minority stockholding.

The presence of multinationals with US capital in Navarra has been a constant since the start of the region's industrialization process that began in the 1960s. The industrial fabric of Navarra now has around 100 companies with foreign capital; 16 of them have majority US capital and account for around 4,300 jobs.

In 1992 **SODENA**'s efforts attracted the company **GUARDIAN** –a world leader in the manufacture of glass for reinforced thermal insulation– to set up operations in Navarra. Other examples of US companies in the region are **GRAFTECH IBERICA**, which has recently invested 35 million euros to manufacture graphite electrodes; **GENERAL MILLS**, a food producer that will invest 25 million euros up to 2012; **DOW CHEMICAL**, recognized as the chemicals company with the best corporate reputation in Spain; and **GEORGIA PACIFIC**, which produces the first biodegradable cardboard cylinders for toilet paper in Navarra.

**SODENA** also works closely with **INVEST IN SPAIN**, a state company for the promotion and attraction of foreign investment that offers a framework for bilateral cooperation.

**SODENA** carries out an extensive monitoring program of direct foreign investment in Navarra, with the aim of improving the business climate in the region and the level of satisfaction of already-established foreign investors.

### NAVARRA, IN THE VANGUARD OF NANOTECHNOLOGY

In March 2011 a “**Nanotechnology Horizon 2030**” seminar was held in Pamplona, in which the scientists **Eduard Punset**, **Javier Tejada** and **Harold Kroto** (Nobel Prize for Chemistry, 1996) discussed the applications of nanotechnology in the future. The seminar was organized by **FideNa** (Foundation for the Research and Development of Nanotechnology in Navarra), a reference R&D+I nanotechnology center that works closely with **MIT** (Massachusetts Institute of Technology).



Eduard Punset and Harold Kroto at the Nanotechnology Horizon 2030 seminar.