STRATEGY FOR THE SUSTAINABLE DEVELOPMENT OF CATALONIA

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SUMMARY

• SUSTAINABLE DEVELOPMENT STRATEGIES AS AN OPPORTUNITY FOR CHANGE IN A CONTEXT OF ECONOMIC CRISIS

• STRATEGY FOR THE SUSTAINABLE DEVELOPMENT OF CATALONIA
  • Sustainable Model for Catalonia: 2026.CAT
  • Added value of the Strategy
    ➢ Strategic Objectives
    ➢ Calculation of Externalities
Sustainable development strategies as an opportunity for change in a context of economic crisis
Opting for an eco-efficient economy that supports economic recovery and improves social and environmental trends.
Catalonia is well positioned to take a decisive step forward towards more sustainable scenarios.

The Strategy serves as an instrument that integrates, coordinates and elevates to the national level a transverse and holistic sustainable development policy.
Strategy for the Sustainable Development of Catalonia
VISION:

Catalonia must continue to be a region in Europe in which everyone has the right to live in a sustainable environment with respect for health, to enjoy natural resources and the landscape in conditions of equality, and to protection from all forms of pollution. Sustainability is a condition for justice between generations.

In a socioeconomic crisis like the present one, the Strategy constitutes a capital opportunity to face Catalonia’s main challenges and to contribute in the short term to providing innovative solutions that will improve employment, create wealth and be a source of competitiveness for companies in the European environment.
MISSION:

Roadmap that establishes the key strategic objectives for 2026 to guarantee Catalonia’s transition towards a safe, eco-efficient and low-carbon economy, in which:

- Harmonises economic development and improves the **wellbeing** and **quality of life** of the citizens.
- Internalises **environmental costs** and the value of the **services of ecosystems** and of biodiversity.
- Achieves true horizontal and vertical **integration** with regard to the various **sectoral policies** and the various levels of government.
- Guarantees the **participation** of the public in decision-making processes.
- Achieves a **cultured and inclusive society** with equal opportunities and **solidarity**.
METHODOLOGY

CONTRIBUTING TECHNICAL STUDIES

Diagnosis of each main economic sector of Catalonia:
   >> Agriculture
   >> Construction and territorial planning
   >> Industry
   >> Transport sector
   >> Tourism
   >> Energy system
   >> Trade
   >> Domestic area

Study on governance

Analysis of the regulatory framework of reference

Study on Prospective Scenarios for Sustainability
Identification of 7 pillars to deal with the Catalan social and environmental challenges, which are deployed in 101 strategic objectives (49 quantitative objectives). The evolution of these target indicators has been defined taking into account:

- Expected evolution of the regulation framework.
- European and international objectives.
- Participation process results.
- Land specificity.
Sustainable model for Catalonia: 2026.CAT
<table>
<thead>
<tr>
<th>Pillar 1</th>
<th>PARTICIPATIVE CATALONIA WITH CLOSE LINKS TO THE COMMUNITY. For more efficient and participative governance</th>
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</thead>
<tbody>
<tr>
<td>Pillar 2</td>
<td>CATALONIA, A BIODIVERSE TERRITORY WITH CITIES AND TOWNS. A nodal territory with inhabitable and compact cities and towns and a free productive area and service generator.</td>
</tr>
<tr>
<td>Pillar 3</td>
<td>CATALONIA, EFFICIENT IN THE USE OF ENERGY AND IN CLIMATE ACTION. An energy production and consumption model based on efficiency that fosters renewable energies and faces climate change.</td>
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<tr>
<td>Pillar 4</td>
<td>CATALONIA MOVES WITH INTELLIGENCE. Smart mobility that fosters collective transport and reduces the dependence on fossil fuels. Catalonia with low-carbon and intermodal mobility.</td>
</tr>
<tr>
<td>Pillar 5</td>
<td>ECO-EFFICIENT, COMPETITIVE AND INNOVATIVE CATALONIA. A production model that optimises the use of resources, based on advanced services and clean production.</td>
</tr>
<tr>
<td>Pillar 6</td>
<td>CATALONIA CONSUMES WISELY. Rational consumption committed to the source and the socio-environmental implications of the products that it acquires and uses and that minimizes waste generation.</td>
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<tr>
<td>Pillar 7</td>
<td>CIVIC, INCLUSIVE, CARING, HEALTHY AND SAFE CATALONIA. A balanced and safe society based on education.</td>
</tr>
<tr>
<td>Pillar 8</td>
<td>PARTICIPATIVE CATALONIA WITH CLOSE LINKS TO THE COMMUNITY. For more efficient and participative governance</td>
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Added value of the Strategy for the Sustainable Development of Catalonia
The Strategy for the Sustainable Development of Catalonia establishes:

1. Intersectorial quantified objectives to define the political strategic lines.

2. The integration of these strategic objectives to the whole regulation and action framework of the government.

3. A system of indicators, associated to the strategic objectives, to assess effective progress and update the future goals.

4. The value for the most significant externalities of the Catalan economy (first attempt in a regional scale!)
STRATEGIC OBJECTIVES

set in the Strategy for Sustainable Development of Catalonia
SO 1.2.1 To ensure that the weight of building rehabilitation and maintenance with respect to the total number of buildings is 47%.

This means increasing the current weight (34% in 2002) by thirteen percentage points.
PILLAR 2. CATALONIA, EFFICIENT IN THE USE OF ENERGY AND IN CLIMATE ACTION

SO 2.1.2 To limit the global emissions of GHG of the diffuse sectors to between 27,000 and 29,200 kt of CO2e

This means a reduction of between 25.5% and 29% in the global emissions from the diffuse sectors with respect to those of 2005 (39,162 kt CO2e in 2005)
SO 3.2.1 To achieve a penetration of between 25% and 30% of electric vehicles (pure and plug-in hybrids) and non-plug-in hybrids in the vehicles total.

This means a very substantial change with respect to the current situation in which the proportion of electric vehicles and non-plug-in hybrids is 0.01%.
SO 4.2.1 To achieve a volume of expenditure in research and development in the industrial sector of more than €5000M.

This means almost tripling the volume of current expenditure (€1,830M in 2007).
PILLAR 5: CATALONIA CONSUMES WISELY

SO 5.1.4 To reduce the per capita generation of municipal waste to 1.22 kg/inhab./day.

This means reducing the current per capita generation of municipal waste by 23% (1.59 kg/inhab./day in 2008).

![Generation of municipal waste per capita graph]

- Business-as-usual
- Reference (PROGREMIC)
- SDS
SO 6.2.5 To ensure that 100% of the busiest beaches and those most visited by tourists in Catalonia have environmental certification.

This means multiplying the current number of beaches with environmental certification (44 in 2009) by approximately five and, therefore, multiplying the current percentage (20% in 2009) by five.
CALCULATION OF EXTERNALITIES

Driving force to reach the sustainable model of Catalonia
The calculation of the externalities of Catalonia is a first downward approach to the real value because:

- Not all existent externalities could be quantified
- Work and progress is needed to standardize methodologies.
Estimation of the negative externalities in Catalonia (in €M)

The achievement of the sustainable objectives established by the Strategy for 2026 would represent a reduction in the negative externalities from 4% to 2.3% over GDP in 2026.
CONCLUSIONS: Beyond GDP

- The quantification of the strategic objectives through indicators of sustainability facilitates the implementation of the Strategy for the Sustainable Development of Catalonia and offers useful guidelines for better decision making and public debate.

- The calculation of the externalities of Catalonia reinforces the need of complementary indicators to GDP that would serve to quantify the real wealth of Catalonia.

Both aspects, the indicators of sustainability and the externalities included in the Catalan strategy, respond to the need of monitoring complementary indicators which are more inclusive of other dimensions of development -in particular the environmental and social aspects- than the economic indicators like GDP.
More information:

www.2026.cat
www.gencat.cat/dmah