

Title: <b>Research &amp; Innovation Questionnaire</b>						Doc. ID:	
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<i>CIDAE</i>	<i>WP7</i>	<i>I. Etxebarria; R. Reyero</i>	<i>1</i>	<i>June 2004</i>	<i>Final</i>		1 of 4

- **QUESTIONNAIRE** on the research/innovation programme of European Union Member States
- First stage (2004): Member States on the 1<sup>st</sup> January 2004
- Objective: Identification of complementarities and barriers for collaboration
- Member State

<b>Member State</b>
Spain

- Generalities about the General Framework Programme / Agency responsible for initiating, steering and financing Multiproject programmes<sup>1</sup>:

<b>Complete name</b>
The National Scientific Research, Development and Innovation Plan (Plan Nacional de Investigación Científica, Desarrollo e Innovación)
<b>Short name</b>
The National R+D+i Plan (Plan Nacional de I+D+i)
<b>Web page address – in national language</b>
<a href="http://www.mcyt.es/planidi/">http://www.mcyt.es/planidi/</a> <a href="http://wwwn.mec.es/ciencia/plan_idi">http://wwwn.mec.es/ciencia/plan_idi</a>
<b>Web page address – in English</b>
Not available
<b>Duration of the Programme</b>
2004-2007
<b>Global objective of the programme / Agency</b>
To contribute to the knowledge generation, in order to use it in the service of the society and the improvement of the welfare. The objective is to maintain the rate of economic and social growth obtained in the last years in Spain, since the economic improvement and advance must be based on the investigation, development and innovation as fundamental elements of a competitive society.
<b>Structure / Organisation / Core activities (priority areas etc.)</b>
The National Plan is made of 9 Thematic Areas which are divided in 26 National Programmes, composed each of them of specific Thematic Priorities. In addition the Plan contains various Horizontal Areas such as the international cooperation.

<sup>1</sup> In case there is not a General Framework Programme but an Agency responsible for initiating, steering and financing Multiproject programmes

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▪ **Sections / Programmes related to Distributed Generation, DER and Renewable Energy**

<b>Name of the area</b>
Programa Nacional de Energía National Energy Programme
<b>Web page address – in national language</b>
<a href="http://www.mineco.es/energia/desarrollo/E_IDI3.htm">http://www.mineco.es/energia/desarrollo/E_IDI3.htm</a>
<b>Web page address – in English</b>
Not available
<b>Objectives of the section</b>
<p>The main objective of the National Energy Plan is to generate the knowledge and technologies that are necessary to guarantee an efficient, environmentally friendly and economical energy supply system that will contribute to the sustainable development of the society and the welfare of the citizens. In order to give fulfil this objective 2 thematic priorities have been created:</p> <ul style="list-style-type: none"> <li>- Optimisation of the forms and conventional uses of energy, in order to make them cleaner and more efficient.</li> </ul> <p>The main target is to guarantee an efficient, environmentally friendly and economical energy supply fulfilling efficiency and quality requirements by using conventional energy sources and introducing the technologies that are necessary for their implementation.</p> <ul style="list-style-type: none"> <li>- Promotion of renewable energy sources and emergent.</li> </ul> <p>The objective is to create the technological and scientific means needed in order to increase the contribution of these power sources to the overall energy supply in a competitive and efficient way. In order to reduce the dependency of conventional power sources, and to increase the use of native resources, it is necessary to stimulate the technological development that will contribute to the take off of renewable energy sources and hydrogen technologies.</p>
<b>Research Priorities</b>
<p>The main research and demonstration priorities are:</p> <ul style="list-style-type: none"> <li>- Optimisation of the forms and conventional uses of energy, in order to make them cleaner and more efficient. <ul style="list-style-type: none"> <li>• Poligeneration</li> <li>• Distributed Generation / Active Distribution</li> </ul> </li> <li>- Promotion of renewable energy sources and emergent. <ul style="list-style-type: none"> <li>• Evaluation and prediction of renewable resources</li> <li>• Wind power</li> <li>• Solar power</li> <li>• Biomass</li> <li>• Other renewable energy sources</li> <li>• Hydrogen</li> </ul> </li> </ul>

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<ul style="list-style-type: none"> <li>Fuel cells</li> </ul>
Budget
-

▪ **Administrative and financial issues**

Institution responsible for the Programme
Comisión Interministerial de Ciencia y Tecnología (CICYT) Interministerial Commission of Science and Technology
Web page address – in national language
<a href="http://www.mcyt.es/sepct/cicyt/a_interminist.htm">http://www.mcyt.es/sepct/cicyt/a_interminist.htm</a>
Web page address – in English
Not available
Institution responsible for the Management of the Programme
Ministerio Industria, Comercio y Turismo (Ministry of Industry, Trade and Tourism)
Contact Person
- Manuel Montes ( <a href="mailto:Manuel.Montes@min.es">Manuel.Montes@min.es</a> )
Web page address – in national language
<a href="http://www.mineco.es/energia/">http://www.mineco.es/energia/</a> <a href="http://www6.mityc.es/energia/">http://www6.mityc.es/energia/</a>
Web page address – in English
Not available
Cost models and type of participants
<ul style="list-style-type: none"> <li>Marginal cost request (any kind of participant) <ul style="list-style-type: none"> <li>Direct costs: <ul style="list-style-type: none"> <li>Personal costs: these are costs that are originated by the participation in the project of temporary or permanently contracted people.</li> <li>Execution costs: properly justified costs such as the purchase of small scientific equipment, bibliographic material, trips as well as the use of research supporting general services.</li> </ul> </li> <li>Indirect costs: participating entities will receive the 15% of all direct costs as indirect costs of the project.</li> <li>Additional request (only public centres).</li> </ul> </li> <li>Total cost request (only technological centres as well as private R&amp;D non-profit-making centres) <ul style="list-style-type: none"> <li>Personal costs: these are costs that are originated by the participation in the project of temporary or permanently contracted people.</li> </ul> </li> </ul>

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- Execution costs: costs of amortization of scientific equipment of new acquisition, costs of use of facilities or equipment, if this equipment is destined to the proposed activity, and other costs properly justified (expendable equipment, trips and diets, etc.).

#### Call

Yearly call (last call in December 2003).

#### ▪ Type of financed projects / Programme implementation instruments

- Aide for Research Projects (CICYT): These tool is used in order to promote research in public R&D centres, in technological centres and in non-profit-making private centres. Research projects, considered in this case, aim at generating new scientific, general or technical knowledge. These new knowledge must suppose an advance in their field (projects of basic research) and, in their case, to be useful for the creation or improvement of products, processes or services (projects of applied research).
- Aide for Technical Research Projects (PROFIT): They are used in order to stimulate the companies and other organizations to carry out activities of investigation and technological development.

#### ▪ Cooperation with other Member States and Regions and third countries

The National Plan (NP) emphasizes the importance of a good coordination with the regional Programmes of R&D (regional) as well as European Programmes.

The main objective is to optimise the existing resources by means of the reinforcement of the cooperation and coordination with the Spanish Autonomous Communities and with the international scene.

The international cooperation is one of the horizontal areas of the NP and includes different modalities from bilateral and multilateral cooperation, in which an intense relationship will be sought with all the activities relate to the ERA.

ERA-NET (coordination of programs) and the potentialities of article 169 are mentioned as European initiatives for cooperation (joint execution of national programs).

In addition the PN wants to contribute to the progressive participation of research groups of other European countries, considering the fulfilment of the objectives of the PN, that it does not require any capital transaction and that the participation of Spanish groups will be also admitted in their respected countries.

#### ▪ Other interesting Programmes

[http://www.euskadi.net/pcti/inves\\_c.htm](http://www.euskadi.net/pcti/inves_c.htm)

#### ▪ Other interesting links

[http://www.enr-network.org/index\\_enr.php](http://www.enr-network.org/index_enr.php)