

Project no.: 229514 KEEN-Regions

KEEN-Regions

Knowledge and Excellence in European Nanotechnology Regions

REGIONS OF KNOWLEDGE Maximising the benefits of research infrastructures for regional economic development

D 1.3 – Policy Report

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CONTENTS

0 - WP 1 goals	3
1.1 - The methodology	3
1.2 - The outcomes	4
VENETO REGION	4
The regional framework.....	4
Goals of the schemes.....	5
BASQUE COUNTRY	6
The regional framework.....	6
Goals of the schemes.....	18
RHÔNE-ALPES REGION	19
The regional framework.....	19
Goals of the schemes.....	21
1.3 Final considerations	22
ANNEXES	23
Questionnaire “Financial schemes to support nanotechnology”	23
Data gathered	26
1. VENETO REGION.....	26
2. BASQUE COUNTRIES.....	31
3. RHÔNE-ALPES REGION.....	36

0 WP1 goals

The goal of WP1 is to assemble a database of general knowledge about each research driven cluster in order to have accurate information about all the clusters. This knowledge is used to define a SWOT analyses for each area, highlighting both potential areas of growth, as well as policies and techniques to be transferred to other locations on a local or on a trans – regional lever. It will also be used in the following WP to foster mutual learning and collaboration between local sites.

To gather the data needed in order to enhance the mutual knowledge and to define the SWOT the third analytical task foreseen is the 1.3 “**Policy Measures**”.

Within the task the main activity is represented by a collection of data concerning:

- policies, measures and financial schemes supporting the cluster development
- regional development plans and research agendas.

1.1 The methodology

Information about the financial schemes was collected through a specific questionnaire elaborated by Ville de Grenoble. The representatives of the policy makers in the three areas have been asked to fill it in.

The questionnaire has been designed to gather qualitative and quantitative data (such as the typology of funding and the amount of resources available) and to determine the involvement of different stakeholders in the sector development. The goal is to reach a general overview of the different actions in place in order to understand better the different contexts and to highlight the priorities identified at regional level as well as the initiatives underway at regional and national level.

This task was performed by the partners representing the policy makers (Ville de Grenoble, SPRI, Veneto Region and Veneto Innovazione) by collecting the relevant information and filling in the questionnaire.

1.2 The outcomes

VENETO REGION

The regional framework

The choice for the development of a Nanotech cluster in the Veneto Region was determined by two main factors:

- presence in the Region of three important Universities with research centres and departments focused on nanorelated research activities (Universities of Padova, Verona and Venezia)
- the structural characteristics of the regional economy: strong presence of SMEs operating in medium- and low- tech industries which are supposed to benefit strongly from nanoscience and technology, especially in fields such as nanostructured materials and process technologies.

The setting up of the regional nanotech cluster has been based mainly on two support schemes negotiated with the central government by the Veneto Region. One is the Framework Programme Agreement for Nanotechnologies Sector and the second one is a specific fund reserved, within the National Act N. 297/1999, to industrial research projects to be implemented in the Veneto Region.

These funds have set the basis for the subsequent implementation of research activities both at basic and applied level. Moreover the Veneto Region used, since the early stage of the cluster development, other sources such as private or European resources. In fact, the execution of the Nanotechnology laboratory started with a feasibility study co-financed by a local Bank Foundation while the building has been co-financed by the European Regional Development Fund in the framework of the Objective 2 Programme.

Today the main public sources available for the regional action come from:

- the Regional Law 9/2007, supporting research, innovation and technology transfer, which envisages a specific reserve for projects focused on nanotechnology;
- The Regional Operative Programme 2007-2013, which foresees again a reserve for nanotechnology projects within the Research and Innovation Axis.

Both programmes are mainly focused on the regional strategy, aiming to link traditional manufacturing sectors to new technologies. But in the last period, new actions have been launched to open to new directions more linked to high tech-high growth sectors (e.g. biotech, renewable energies, and health). For example in 2009 the Veneto Region has joined Euronanomed, an Eranet aiming to boost scientific cooperation in the field of NanoMedicine.

From the private side, the cluster is sustained by a local Bank Foundation supporting the implementation of Nanochallenge, an international business plan competition which takes place each year. The goal of Nanochallenge is to fund promising start-ups in the sector, located in Veneto but with an international approach.

Goals of the schemes

GOALS OF THE SCHEME						
TYPE OF ACTIVITY FUNDED		Human Resources	Innovation	Cluster Develop.	Business Develop.	Commercial Collaboration
	Information and contact brokerage					
	Practical assistance and advice					
	Infrastructure financing					
	R&D					
	Research Mobility					
	Technology Transfer					
	International Cooperation					
	Training					
	Networking organizing events					
	Lobbying					
	Creation and launching new company					

BASQUE COUNTRY

The regional framework

The Basque Government's commitment to nanosciences came to light with the idea of creating new opportunities for all the agents that make up the scientific, technological, business and social fabric of the Basque Country. It was, in short, started with the conviction that a commitment to micro and nanotechnologies was a commitment to the competitiveness and diversification of our business fabric and it is also a clear commitment to the well-being of the whole Basque society.

That is what led to the launch of the **nanoBasque Strategy**, which was spurred on by the creation of a dynamic support agency to develop that strategy: the **nanoBasque Agency**.

The nanoBasque Agency was specifically created to coordinate and manage the smooth development of the Strategy, and it is basically a dynamic facilitating agent of the Basque nanotechnology ecosystem that is particularly directed at companies.

ENERGISING BASQUE BUSINESS

The nanoBasque Agency plays an essential role in energising the companies that make up the business fabric of the Basque Country.

ORGANISATION OF A NANOSCIENCES KNOWLEDGE COMMUNITY

The nanoBasque Agency will coordinate and promote Basque research in nanosciences through the creation of a knowledge community.

The nanoBasque Agency coordinates and promotes Basque research in nanosciences through the creation of a specific Knowledge Community that groups together and promotes the main existing capacities in the system, it forms product markets for innovations and creates the necessary conditions that will lead to new opportunities for Basque agents.

One of the nanoBasque Agency initiatives was the creation of CIC nanoGUNE. CIC nanoGUNE, Cooperative Research Centre in Nanosciences, is a new R&D centre which was created in 2006 to coordinate, develop and manage the research activities in the fields of nanosciences and nanotechnology in the Basque Country.

CIC nanoGUNE has also been given the name of Consolider, which is awarded by the Spanish Ministry of Science and Innovation to those centres that have been set up under the Consolider-Ingenio 2010 Program. CIC nanoGUNE has been recognised as the first Consolider Centre in Spain.

In order to promote the scientific, technological and business fabric, we can also find in the Basque Country support programs based on projects within the Science Technology and Innovation Plan (PCTI 2010).

The support programs are:

- NETs*

- GAITEK*
- ETORGAI*
- INNOTEK*
- ETORTEK**
- SAOITEK (EMAITEK) **
- HEDATU**
- IKERTU*/**
- CICs**

(*) Programs aimed at companies from the Basque Country.

(**) Programs aimed at Basque Science and Technology Network.

• **NETs**

Program	NETs – Programme to provide integral support for the launching of new technology-based companies.
Regulatory Standard	Order of 27 November 2008, BOPV (Official Gazette of the Basque Country) No. 245 of 23 December 2008.
Aims	To support R&D projects that lead to the creation of companies or to boost the activity of recently created companies.
Time Frame	Annual call for proposals
Duration	Annual projects
Beneficiaries	Large companies and SMEs Foundations and business associations. Members of the RVCTI
Type of Aid	Non-refundable subsidy

Features	<p>Definition of a work plan and of a budget will be required in order to launch the new company, with the following activities being considered:</p> <ul style="list-style-type: none"> - Feasibility studies prior to industrial research projects. - Industrial research projects, - Feasibility studies prior to experimental development projects. - Experimental development projects.
Budget	€4,810,180 (2009 Call for proposals)

• **GAITEK**

Program	Program to improve competitiveness in companies by promoting projects that include R&D&i activities to develop new products.
Regulatory Standard	Order of 27 November 2008, BOPV (Official Gazette of the Basque Country) No. 245 of 23 December 2008.
Aims	To improve competitiveness in companies by promoting projects that include R&D&i activities to develop new products.
Time Frame	Annual call for proposals
Duration	Annual projects
Beneficiaries	Large companies or SMEs Foundations and business associations.
Type of Aid	Non-refundable subsidy

Features	<ul style="list-style-type: none"> • Product features • The product must be innovative • Potential market, importance of internationalisation possibilities • Increase productivity • Ability to cooperate with other companies and with the Basque Science, Technology and Innovation Network (RVCTI) • Financing Plan
Budget	€28,000,000 (2009 Call for proposals)

• **ETORGAI**

Program	Program to provide support for carrying out strategic industrial research projects and experimental development.
Regulatory Standard	Order of 6 August 2008, BOPV (Official Gazette of the Basque Country) No. 161 of 26 August 2008
Aims	To finance the carrying out of integrated industrial research projects in strategic sectors and boost public-private cooperation in R&D&i, so that they exert a driver effect on the economy of the Basque Country, favouring the intervention of SMEs and access to the European 7th Framework Programme for R&D (FP7).
Time Frame	Annual call for proposals
Duration	Multiannual projects
Beneficiaries	Large companies or SMEs Foundations and business associations.
Type of Aid	Non-refundable subsidy

Features	<ul style="list-style-type: none"> • Business Leadership and Cooperation • R&D investment intensity • Taking advantage of existing scientific-technological capabilities in the Basque Country • Driver effect on the economy • Internationalisation: Global dimension of Innovation
Budget	€23,000,000 (2009 Call for proposals)

• **INNOTEK**

Program	Program to improve competitiveness in companies by promoting projects that include R&D&I activities to improve products and processes, as well as other accompany actions in order to increase the effectiveness of these activities.
Regulatory Standard	Order of 27 November 2008, BOPV (Official Gazette of the Basque Country) No. 245 of 23 December 2008.
Aims	To improve competitiveness in companies by promoting projects that include R&D&I activities to improve products and processes, as well as other accompany actions in order to increase the effectiveness of these activities.
Time Frame	Annual call for proposals
Duration	Annual projects
Beneficiaries	Large companies or SMEs Foundations and business associations.
Type of Aid	Non-refundable subsidy

Features	<ul style="list-style-type: none"> • Product features • The product must be innovative • Potential market, importance of internationalisation possibilities • Increased productivity • Ability to cooperate with other companies and with the Basque Science, Technology and Innovation Network (RVCTI) • Financing Plan
Budget	€28,000,000 (2009 Call for proposals)

• **ETORTEK**

Program	Program to provide support for strategic research
Regulatory Standard	Order of 7 October 2002, BOPV (Official Gazette of the Basque Country) No. 191 of 8 October 2002 (Modified by Order of 16 April 2003 and Order of 22 March 2005)
Aims	To acquire and build scientific-technological capabilities and competences in strategic areas for the development of opportunity sectors. Consolidation of existing CICs (Cooperative Research Centres) and creation of new CICs
Time Frame	Annual call for proposals
Duration	Multiannual projects
Beneficiaries	Scientific and Technological members of the Basque Science, Technology and Innovation Network (RVCTI)
Type of Aid	Non-refundable subsidy

Features	<ul style="list-style-type: none"> • Support for the RVCTI to increase its competitiveness not only in the Basque Country but also in the ERA • Contribute to development of strategic research fields identified in the Basque technology policy
Budget	€38,233,613 (2009 Call for proposals)

- **SAIOTEK**

Program	Program to provide support to scientific-technological members of the Basque Science, Technology and Innovation Network for basic research.
Regulatory Standard	Order of 2 October 2008, BOPV (Official Gazette of the Basque Country) No. 198 of 16 October 2008.
Aims	To finance Action Plans for the non-economic activity of the scientific-technological members of the Basque Science, Technology and Innovation Network, to be carried out in one or several years.
Time Frame	Annual call for proposals
Duration	Multiannual projects
Beneficiaries	Members of the RVCTI, provided that they are not included in the EMAITEK and CICs programmes.
Type of Aid	Non-refundable subsidy

Features	<p>Support for the specialisation and promotion of other types of RVCTI members:</p> <ul style="list-style-type: none"> • For technological appreciation of company R&D units • For closely-linked university-industry development (cooperation, research, networks, etc.) • To reinforce the work of research support organisations
Budget	€ 15,600,000 (2009 Call for proposals)

• **EMAITEK**

Program	Program to provide support to Technology Centres and their corporations and technological alliances.
Regulatory Standard	Order of 25 September 2008, BOPV (Official Gazette of the Basque Country) No. 198 of 16 October 2008.
Aims	To support Technology Centres and their corporation and strategic alliances, assigning financing through evaluation and analysis of results of their overall activity
Time Frame	Annual call for proposals (2008-2009) *
Duration	Multiannual projects
Beneficiaries	Technology Centres in the RVCTI and their corporations and technological alliances.
Type of Aid	Non-refundable subsidy

Features	<p>This programme subsidises a percentage of up to 100% of the total cost of non-economic activity carried out by beneficiary bodies throughout the year corresponding to the call for proposals, with non-economic activity understood to be as established by the European Commission in its Community Framework for State aid for research and development and innovation.</p> <p>Results oriented in order to:</p> <ul style="list-style-type: none"> • respond to company requirements • take advantage of new opportunities
Budget	€ 32,500,000 (2008-2009 Call for proposals)

• **HEDATU**

Program	Program to provide support to carry out science, technology and innovation dissemination projects.
Regulatory Standard	Order of 12 September 2005, BOPV (Official Gazette of the Basque Country) No. 181 of 22 September 2005.
Aims	To support the carrying out of projects to disseminate the scientific, technological and innovation knowledge base to the business world and to Basque society.
Time Frame	Annual call for proposals
Duration	Annual projects
Beneficiaries	<ul style="list-style-type: none"> • Large companies and SMEs • Foundations and business associations. • Members of the RVCTI
Type of Aid	Non-refundable subsidy

Features	<p>Dissemination of actions that favour knowledge transfer and, therefore, interrelation between members of the system. The program promotes transmission of innovations brought up by scientific-technological research and, in general, scientific and technological knowledge, to society and to the business sector in the Basque Country.</p> <p>Appreciation of the technological innovation and business initiative culture, as well as promotion of the technological image of the Country, in order to promote higher levels of research excellence.</p>
Budget	€ 273,525 (2009 Call for proposals)

• **IKERTU**

Program	Program to provide support for training and empowerment of human capital.
Regulatory Standard	Order of 14 October 2009, BOPV (Official Gazette of the Basque Country) No. 200 of 19 October 2009.
Aims	To support training and empowerment of human capital, promoting growth and excellence of research potential in the Basque Science and Technology System.
Time Frame	Annual call for proposals
Duration	Annual projects
Beneficiaries	<ul style="list-style-type: none"> • Large companies and SMEs • Foundations and business associations. • Members of the RVCTI
Type of Aid	Non-refundable subsidy

Features	<ul style="list-style-type: none"> • Placing researchers and technologists from RVCTI members into companies, thereby fomenting mobility between research centres and companies, as key factors for technology transfer. • Support for preparing doctoral theses in companies. • Transferring technologists from companies to technology and research centres.
Budget	€ 1,776,626 (2009 Call for proposals)

• **CICs**

Program	Program to provide support to accredited members of the Basque Science, Technology and Innovation Network in the Cooperative Research Centres category.
Regulatory Standard	Order of 4 August 2008, BOPV (Official Gazette of the Basque Country) No. 158 of 21 August 2008.
Aims	Suitable instrument to promote Cooperative Research Centres (CICs), orienting them towards emerging diversification areas.
Time Frame	Annual call for proposals (*)
Duration	Multiannual projects
Beneficiaries	Cooperative Research Centres accredited in the RVCTI.
Type of Aid	Non-refundable subsidy

<p>Features</p>	<ul style="list-style-type: none"> • In line with the goal stated in the PCTI 2010 to create and support the development of CICs, this programme is a subsidy for the development of non-economic activity and its associated goals (overall Action Plan) presented by Cooperative Research Centres (CICs). • They foment cooperation between members and companies. • They represent Basque commitment to emerging scientific and technological sectors.
<p>Budget</p>	<p>€ 28,000,000 (2008 Call for proposals)</p>

Goals of the schemes

GOALS OF THE SCHEME						
TYPE OF ACTIVITY FUNDED		Human Resources	Innovation	Cluster Develop.	Business Develop.	Commercial Collaboration
	Information and contact brokerage					
	Practical assistance and advice					
	Infrastructure financing	ETORTEK				
	R&D	NET GAITEK ETORGAI INNOTEK ETORTEK SAOITEK (EMAITEK)	ALDATU		NET GAITEK ETORGAI INNOTEK	INNOTEK
	Research Mobility	ETORTEK				
	Technology Transfer	ETORTEK			GAITEK ETORGAI INNOTEK	
	International Cooperation	ETORTEK				
	Training	ETORTEK				
	Networking organizing events	HEDATU				
	Lobbying					
	Creation and launching new company				NET	

RHÔNE-ALPES REGION

The regional framework

In 2005 the French government launched a new policy aiming at the setting up of competitiveness clusters. A competitiveness cluster is an initiative that brings together companies, research centres and educational institutions in order to develop synergies and cooperative efforts. Other cluster partners may include local and national authorities and services catering to cluster members. This national policy is strongly supported by the regional and local authorities.

The aim of the cluster is to strengthen the competitiveness of the French economy and develop both growth and jobs in key markets:

- Through increased innovation
- By encouraging high-value-added technological and creative activities, principally industrial, at a regional level
- By attracting businesses to France thanks to a higher international profile

Cluster use synergies and innovative joint projects to give their member companies a chance to be national and international leaders in their fields.

Each competitive cluster draws up a five-year plan, based on a vision shared by the various stakeholders. With the plan, the competitiveness cluster can:

- Develop partnerships between the various stakeholders, based on their complementary skills
- Construct shared strategic R&D projects that can benefit from public funding
- Promote an overall environment favourable to innovation and the competitiveness cluster's stakeholders via presentations, knowledge-sharing and mutual support among cluster members on topics such as training and human resources, intellectual property, private-sector financing, international development, and so on.

The technological clusters in France are for a large part financed through state money gathered in a fund called "interministerial fund". The money dedicated to this program is invested in R&D projects selected by both the clusters and then the ministry in charge of economy, research and employment. In addition to the central state local authorities co-finance cluster projects which are located on their territory.

The National Agency for Research (ANR) also launches calls for proposal through which it finances scientific projects among which nanotech projects.

The cluster policy is thus one of the tools to support the micro-nanotechnology. Apart from that, there are other initiatives more targeted like for instance the Nano 2010 program. This program in microelectronics involves public (central state and local authorities) and private stakeholders in order to support the microelectronic industry in the



Grenoble area and thus to support the whole market in the region, as well as the jobs directly or indirectly linked to this economy in the region.

Another thing to take into consideration is that there is no capital risk associated to the financing projects within the framework of the cluster in the city of Grenoble.

A more recent initiative launched by the government to support nanotechnologies is called Nano-INNOV plan. This plan fosters particularly on three areas in France: Paris, Toulouse and Grenoble where nanotechnologies are already well developed in order to develop excellence centres which shall benefit to the whole sectors. 70 million€ should be dedicated to this plan.



Goals of the schemes

GOALS OF THE SCHEME						
		Human Resources	Innovation	Cluster Develop.	Business Develop.	Commercial Collaboration
TYPE OF ACTIVITY FUNDED	Information and contact brokerage			Financial support to the cluster management		
	Practical assistance and advice					
	Infrastructure financing					
	R&D		Financial support of innovative R&D projects			
	Research Mobility					
	Technology Transfer					
	International Cooperation					
	Training					
	Networking organizing events					
	Lobbying					
	Creation and launching new company					

1.3 Final considerations

In the Regions involved in the project we find support programs and initiatives particularly directed at companies in the regions, with the aim to link traditional manufacturing sectors to new technologies and to promote high tech-high growth sectors.

In **Veneto Region** we find two support schemes: the Framework Program Agreement for Nanotechnologies Sector and a specific fund within the National Act N. 297/1999.

And both, public and private sources available. The main public sources come from:

- the Regional Law 9/2007, supporting research, innovation and technology transfer, which envisages a specific reserve for projects focused on nanotechnology;
- The Regional Operative Programme 2007-2013, which foresees again a reserve for nanotechnology projects within the Research and Innovation Axis.

And from the private side, the cluster is sustained by a local Bank Foundation, supporting the implementation of Nanochallenge.

In the **Basque Country** a nanoBasque Agency has been developed to coordinate and manage the development of a nanoBasque Strategy, which aim is to energise companies within the Basque fabric through the creation of a specific Knowledge Community and the creation of CIC nanoGUNE (Cooperative Research Centre in Nanosciences).

There are also support programs based on projects within the Science Technology and Innovation Plan of the Basque Country, mainly directed to companies and Research Centres.

And, finally, in **Rhône Alpes Region** we find an initiative from the French government in favour of the setting up of “competitiveness clusters” in France. This policy has two phases: a first phase from 2005 until 2008 during which the clusters were set up and started working and a second phase from 2009 until 2012 during which partnership will be strengthened and the development of private funding will be encouraged. Between the two phases an evaluation of the policy was conducted which turned out to be very positive. Based on the good results phase two was launched.

The main support programs are as follows:

- Interministerial fund, which finances technological clusters
- The National Agency for Research, which launches and supports calls for proposal
- Nano 2012 programme, in order to support the microelectronic industry in the Grenoble area
- The Nano-INNOV plan, to develop excellence centres among which Grenoble

ANNEXES

Questionnaire “Financial schemes to support nanotechnology”

1. Schemes/programmes in your Region/Country/Activities funded

	Please explain
DOES YOUR ORGANISATION SUPPORT NANOTECHNOLOGY THROUGH FUNDING MECHANISMS?	
NAME OF FINANCIAL SCHEME	
FOR WHICH KIND OF PROGRAMMES/ACTIVITIES? SEE ANNEX MATRIX*	
YEARLY BUDGET DEDICATED TO FUND CLUSTER ORGANISATIONS (HR/MANAGEMENT OF CLUSTERS...)	
YEARLY BUDGET DEDICATED TO FUND RDI PROJECTS IN NANOTECH	
OTHER BUDGET DEDICATED	
MENTION ANY OTHER POLICY/INITIATIVE/ RELATED TO THE DEVELOPMENT OF NANOTECHNOLOGY	

2. Per each schemes/programme, please insert the contacts of the key person

Key Contacts details	Please complete
FUNDING AGENCY/DEPARTMENT	
NAME/CONTACTS OF THE KEY PERSON IN CHARGE OF THE MANAGEMENT OF THE SCHEME	

3. Sources of funding to finance nanotechnology

	YES	NO	Please explain
DO YOU USE STRUCTURAL FUNDS?			
DO YOU USE NATIONAL FUNDING?			
REGIONAL FUNDING?			
PRIVATE FUNDING?			
OWN FUNDS?			
MIX OF PRIVATE/PUBLIC FUNDING?			
OTHER RESOURCES?			
SPECIFIC MECHANISMS TO FUND CLUSTERS?			

4. Regarding private/ public funding

	Please Explain
IS CAPITAL RISK ASSOCIATED TO THE FINANCING OF PROJECTS WITHIN THE FRAMEWORK OF THE CLUSTER? HOW?	
WHICH ROLE DOES PRIVATE FUNDING PLAY IN THE GOVERNANCE STRUCTURE OF THE CLUSTER?	
HOW IS FUNDING DISTRIBUTE? THROUGH SUBSCRIPTIONS, DONATIONS OR SERVICES?	

5. Short description of the schemes/programme mentioned and relevant documents concerning this subject

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		GOALS OF THE SCHEME				
		Human Resources Upgrading	Innovation	Cluster Develop.	Business Develop.	Commercial Collaboration
TYPE OF ACTIVITY FUNDED	Information and contact brokerage					
	Practical assistance and advice					
	Infrastructure financing					
	R & D					
	Research Mobility					
	Technology Transfer					
	International Cooperation					
	Training					
	Networking organising events					
	Creation and launching new company					

1 VENETO REGION

Questionnaire "Financial schemes to support nanotechnology"

1. Schemes/programmes in your Region/Country/Activities funded

	Please explain
DOES YOUR ORGANISATION SUPPORT NANOTECHNOLOGY THROUGH FUNDING MECHANISMS?	Yes
NAME OF FINANCIAL SCHEME	<ul style="list-style-type: none"> • <i>Framework Programme Agreement Nanotechnologies Sector (Accordo di Programma Quadro in materia di Ricerca ha ad oggetto programmi di intervento nei settori delle Nanotecnologie e delle Biotecnologie.) plus integrations (to be renegotiated with the National Government).</i> • <i>National funds via the Act 297/1999 Industrial Research Projects Nanotechnology Sector to be implemented in the Veneto Region (to be renegotiated with the National Government).</i> • <i>Regional Act 9/2007 (Regional Innovation Act) – Reserve for Nanotechnology Sector</i> • <i>Regional Operative Programme 2007 – 2013 – Reserve for Nanotechnology Sector</i>
FOR WHICH KIND OF PROGRAMMES/ACTIVITIES? SEE ANNEX MATRIX*	R&D, training and infrastructure mainly
YEARLY BUDGET DEDICATED TO FUND CLUSTER ORGANISATIONS (HR/MANAGEMENT OF CLUSTERS..)	NA
YEARLY BUDGET DEDICATED TO FUND RDI PROJECTS IN NANOTECH	<ul style="list-style-type: none"> • <i>Framework Programme Agreement Nanotechnologies Sector (Accordo di Programma Quadro in materia di Ricerca ha ad oggetto programmi di intervento nei settori delle Nanotecnologie e delle Biotecnologie.): under renegotiation with the National Government (in the period 2004 – 2007 more than 19 M€)</i> • <i>National Act 297/1999 Industrial Research Projects – Nanotechnology Sector to be implemented in the Veneto Region (26 M€ in the period 2004-2007)</i>

	<ul style="list-style-type: none"> • <i>Regional Act 9/2007 (Regional Innovation Act) – Reserve for Nanotechnology Sector €2,000,000 in the 2009 call for proposal</i> • <i>A specific reserve has been foreseen also in the Calls for Proposal of the Regional Operative Programme that will be launched in November 2009 (a total amount of about 5,7 M€ for the first calls)</i>
OTHER BUDGET DEDICATED	€500,000 (ERANET – first call. See below)
MENTION ANY OTHER POLICY/INITIATIVE/ RELATED TO THE DEVELOPMENT OF NANOTECHNOLOGY:	ERANET “EuroNanoMed” . Call opened in 2009 in the field of NanoMedicine

2. Per each schemes/programmes, please insert the contacts of the key person

Key Contacts details	Please complete
FUNDING AGENCY/DEPARTMENT	Economic Development Research and Innovation Directorate – Regione Veneto
NAME/CONTACTS OF THE KEY PERSON IN CHARGE OF THE MANAGEMENT OF THE SCHEME	Nadia Giaretta

3. Sources of funding to finance nanotechnology

	YES	NO	Please explain
DO YOU USE STRUCTURAL FUNDS?	X		The Regional Operative Programme foresees to reserve resources for specific activities for nanotechnology in the yearly calls.
DO YOU USE NATIONAL FUNDING?	X		In the Framework Programme Agreement Nanotechnologies

			<i>Sector (National Act 208/1998) and via the National Act 297/1999 Industrial Research Projects</i>
REGIONAL FUNDING?	X		Within the Regional Research and Innovation Act 9/2007
PRIVATE FUNDING?	X		Mainly via Banks Foundations located in the Region
OWN FUNDS?		X	
MIX OF PRIVATE/PUBLIC FUNDING?	X		Yes as the different sources listed above are used together to support the cluster development
OTHER RESOURCES?		X	
SPECIFIC MECHANISMS TO FUND CLUSTERS?	X		A reward mechanism has been developed within the regional scheme supporting clusters development

4. Regarding private/ public funding

	Please Explain
IS CAPITAL RISK ASSOCIATED TO THE FINANCING OF PROJECTS WITHIN THE FRAMEWORK OF THE CLUSTER? HOW?	No
WHICH ROLE DOES PRIVATE FUNDING PLAY IN THE GOVERNANCE STRUCTURE OF THE CLUSTER?	At the moment no role.

HOW IS FUNDING DISTRIBUTE? THROUGH SUBSCRIPTIONS, DONATIONS OR SERVICES?

Public funds are mainly distributed via calls for proposals

5. Short description of the schemes/programmes mentioned and relevant documents concerning this subject

The three schemes above mentioned (together also with the new ERANET initiative) represent the complete programme launched in the Veneto Region to boost and sustain the development of nanotechnology.

- *Framework Programme Agreement Nanotechnologies Sector (Accordo di Programma Quadro in materia di Ricerca - programmi di intervento nei settori delle Nanotecnologie e delle Biotecnologie.)*: about € **45,000,000**

Agreement set by the Ministry of Research and Education and the Veneto Region on the topic of nanoscience. The agreement aims:

- to sustain big research projects oriented to develop strategic technologies for the economic system
- to valorise the research results, foster the research spin-off and high education
- to boost research project with a multidisciplinary approach.

Within this framework the Ministry together with the Region have funded the setting up of a specific international master in nanotechnology as well as several research projects with important impact on the economic structure of the region. In particular €26,000,000 has been dedicated to support industrial research project financed via the *National Act 297/1999 Industrial Research Projects – Nanotechnology Sector to be implemented in the Veneto Region*.

- *Regional Act 9/2007 (Regional Innovation Act) – Reserve for Nanotechnology Sector*

It is the Regional Act supporting research, innovation and technological development. It is funded and managed by the Region. In the framework of this act, a specific reserve (€**2,000,000**) is allocated to sustain projects in the nano sector.

		GOALS OF THE SCHEME				
		Human Resources Upgrading	Innovation	Cluster Develop.	Business Develop.	Commercial Collaboration
TYPE OF ACTIVITY FUNDED	Information and contact brokerage					
	Practical assistance and advice					
	Infrastructure financing					
	R & D					
	Research Mobility					
	Technology Transfer					
	International Cooperation					
	Training					
	Networking organising events					
	Creation and launching new company					

2 BASQUE COUNTRY

Questionnaire “Financial schemes to support nanotechnology”

1. Schemes/programmes in your Region/Country/Activities funded

	Please explain
DOES YOUR ORGANISATION SUPPORT NANOTECHNOLOGY THROUGH FUNDING MECHANISMS?	The funding programmes belong to the Department of Industry Innovation Trade and Tourism (DIICyT) of the Basque Government. SPRI does not own funding programmes for R&D but is the public authority to manage them.
NAME OF FINANCIAL SCHEME	Support programmes based on projects within the Science, Technology and Innovation Plan (PCTI 2010). Aimed at companies from the Basque Country (*) and at Basque Science and Technology Network (**) <ul style="list-style-type: none"> ● NET* ● GAITEK* ● ETORGAI* ● INNOTEK* ● ETORTEK** ● SAOITEK (EMAITEK)** ● HEDATU** ● IKERTU*/** ● CICs**
FOR WHICH KIND OF PROGRAMMES/ACTIVITIES? SEE ANNEX MATRIX*	
YEARLY BUDGET DEDICATED TO FUND CLUSTER ORGANISATIONS (HR/MANAGEMENT OF CLUSTERS...)	At DIICyT there is the specific unit “competitiveness”, which manages a policy-focused and linked to Clusters. There are currently 12 clusters.
YEARLY BUDGET DEDICATED TO FUND RDI PROJECTS IN NANOTECH	There is no specific budget. Estimated budget 12.8M€/ year. This amount is estimated based on 2008 figures, in which there were 57 projects based on nano and 60 on micro with a budget of 12.8M€
OTHER BUDGET DEDICATED	We have focused on the funding programs of the Department of Industry that also may include programs for investing in equipment.

	There can also be added other kind of projects from the Department of Education of the Basque Government and Spanish National R&D plans.
MENTION ANY OTHER POLICY/INITIATIVE/ RELATED TO THE DEVELOPMENT OF NANOTECHNOLOGY:	The nanoBasque Strategy

Comments: We have focused on the Department of Industry funding programs. Through other Government Agencies data can be obtained about different support actions, in particular from the Spanish Government and European Framework Programs.

2. Per each schemes/programmes, please insert the contacts of the key person

Key Contacts details	Please complete
FUNDING AGENCY/DEPARTMENT	SPRI/ Technology Innovation – Department of Industry, Innovation, Trade and Tourism of the Basque Government/ Technology Director
NAME/CONTACTS OF THE KEY PERSON IN CHARGE OF THE MANAGEMENT OF THE SCHEME	SPRI: Ms. Cristina Oyón DIICyT: Mr. Edorta Larrauri

3. Sources of funding to finance nanotechnology

	YES	NO	Please explain
DO YOU USE STRUCTURAL FUNDS?	X		
DO YOU USE NATIONAL FUNDING?	X		
REGIONAL FUNDING?	X		
PRIVATE FUNDING?			The projects under programs aimed to companies must be co-funded by companies with an average of 45% (2.3M€)
OWN FUNDS?		X	Basque

			Government
MIX OF PRIVATE/PUBLIC FUNDING?		X	
OTHER RESOURCES?			Risk Capital
SPECIFIC MECHANISMS TO FUND CLUSTERS?	X		In the department of DIICyT, the competitiveness unit has a policy cluster.

4. Regarding private/ public funding

	Please Explain
IS CAPITAL RISK ASSOCIATED TO THE FINANCING OF PROJECTS WITHIN THE FRAMEWORK OF THE CLUSTER? HOW?	No
WHICH ROLE DOES PRIVATE FUNDING PLAY IN THE GOVERNANCE STRUCTURE OF THE CLUSTER?	
HOW IS FUNDING DISTRIBUTE? THROUGH SUBSCRIPTIONS, DONATIONS OR SERVICES?	

Comments: In the Basque Country, there are no programs/ schemes within this policy on clusters.

5. Short description of the schemes/programmes mentioned and relevant documents concerning this subject

<p>NET Program: Program to provide integral support for the launching of new technology-based companies. 4.810.180€ (2009 Call for proposal)</p> <p>GAITEK Program: Program to improve competitiveness in companies by promoting projects that include R&D&I activities to develop new products. 28.000.000€ (2009 Call for proposal)</p> <p>INNOTEK Program: Program to improve competitiveness in companies by promoting projects that include R&D&I activities to improve products and processes, as well as other accompanying actions that increase the effectiveness of these activities. 28.000.000€ (2009 Call for proposal)</p> <p>ETORGAI Program: Program to provide support for carrying out strategic industrial research projects and experimental development. 23.000.000€ (2009 Call for proposal)</p> <p>ETORTEK Program: Program to provide support for strategic research. 38.233.613€ (2009 Call for proposal)</p>

SAOITEK (EMAITEK) Program: Program to provide support to scientific-technological members of the Basque Science, Technology and Innovation Network for basic research. (Program to provide support to Technology Centres and their corporations and technological alliances)

15.600.000€ (2009 Call for proposal) – 32.500.000€ (2009 Call for proposal)

HEDATU Program: Program to provide support to carry out science, technology and innovation and dissemination projects.

273.525€ (2009 Call for proposal)

IKERTU Program: Program to provide support for training and empowerment of human capital.

1.776.626€ (2009 Call for proposal)

CICS Program: program to provide support to accredited members of the basque science, technology and innovation network in the cooperative research centres category.

28.000.000€ (2009 Call for proposal)

ANNEX MATRIX

		GOALS OF THE SCHEME				
		Human Resources Upgrading	Innovation	Cluster Develop.	Business Develop.	Commercial Collaboration
TYPE OF ACTIVITY FUNDED	Information and contact brokerage					
	Practical assistance and advice					
	Infrastructure financing	ETORTEK				
	R & D	NET GAITEK ETORGAI INNOTEK ETORTEK SAOITEK (EMAITEK)	ALDATU		NET GAITEK ETORGAI INNOTEK	INNOTEK
	Research Mobility	ETORTEK				
	Technology Transfer	ETORTEK			GAITEK ETORGAI INNOTEK	
	International Cooperation	ETORTEK				
	Training	ETORTEK				
	Networking organising events	HEDATU				
	Creation and launching new company					

3 RHÔNE-ALPES REGION

Questionnaire "Financial schemes to support nanotechnology"

Questionnaire

1. Schemes/programmes in your Region/Country/Activities funded

	Please explain
DOES YOUR ORGANISATION SUPPORT NANOTECHNOLOGY THROUGH FUNDING MECHANISMS?	The City of Grenoble has set up a cluster policy according to the launching by the national government of a cluster policy in 2005. Following this 15 clusters were set up in the Rhone-Alpes region. The City of Grenoble is particularly involved in 4 of these regional clusters among which Minalogic. Global competitive cluster Minalogic fosters research-led innovation in intelligent miniaturized products and solutions for industry.
NAME OF FINANCIAL SCHEME	The technological clusters in France are for a large part financed through state money gathered in a fund called interministerial fund. The money dedicated to this programme is invested in R&D projects selected by both the clusters and then the ministry in charge of economy, research and employment. In addition to central state money the local authorities co- finance cluster projects which are located on their territory.
FOR WHICH KIND OF PROGRAMMES/ACTIVITIES? SEE ANNEX MATRIX*	R&D projects
YEARLY BUDGET DEDICATED TO FUND CLUSTER ORGANISATIONS (HR/MANAGEMENT OF CLUSTERS...)	The City of Grenoble supports the management of the Minalogic cluster through a yearly subsidy of € 5 000,-
YEARLY BUDGET DEDICATED TO FUND RDI PROJECTS IN NANOTECH	The Department for economic development of the City of Grenoble has a yearly budget of 1M € a year to support R&D cluster projects the 4 main clusters it is involved in. Depending of the number of selected projects in nanotechnologies each year the amount invested by the City will be variable.
OTHER BUDGET DEDICATED	From the City no other budget
MENTION ANY OTHER POLICY/INITIATIVE/ RELATED TO THE DEVELOPMENT OF NANOTECHNOLOGY:	The National Agency for Research (ANR) launches calls for proposal through which it finances scientific projects among which nanotech projects.

2. Per each schemes/programmes, please insert the contacts of the key person

KEY CONTACTS DETAILS	Please complete
FUNDING AGENCY/DEPARTMENT	City of Grenoble Department for economic development
NAME/CONTACTS OF THE KEY PERSON IN CHARGE OF THE MANAGEMENT OF THE SCHEME	<p>I am responsible for the management of the funding of cluster projects for the City of Grenoble</p> <p>Anne-Elisabeth Cotte European project manager</p> <p>Ville de Grenoble/City of Grenoble Department for Economy and International relations 34, avenue de l'Europe Le Trident Bât. A 38000 Grenoble France phone: +33 (0)4 76 29 89 91 Facsimile: +33 (0)4 76 29 50 99 e-mail: anne-elisabeth.cotte@ville-grenoble.fr</p>

3. Sources of funding to finance nanotechnology

	YES	NO	Please explain
DO YOU USE STRUCTURAL FUNDS?	x		In some cases where no national funding is available the ministry in charge of economy, research and employment does request funding through the structural funds.
DO YOU USE NATIONAL FUNDING?	x		In most cases the nanotech projects within the Minalogic cluster are financed through the interministerial fund plus funding by the local authorities.

REGIONAL FUNDING?	x		The Rhone-Alpes region as a local authority is involved in the financing of cluster management and of cluster projects
PRIVATE FUNDING?	x		The cluster Minalogic has members from research, industry and local authorities which pay a membership to support the cluster
OWN FUNDS?		x	
MIX OF PRIVATE/PUBLIC FUNDING?			
OTHER RESOURCES?		x	
SPECIFIC MECHANISMS TO FUND CLUSTERS?	x		See above

4. Regarding private/ public funding

	Please Explain
IS CAPITAL RISK ASSOCIATED TO THE FINANCING OF PROJECTS WITHIN THE FRAMEWORK OF THE CLUSTER? How?	no
WHICH ROLE DOES PRIVATE FUNDING PLAY IN THE GOVERNANCE STRUCTURE OF THE CLUSTER?	The cluster Minalogic has members from research, industry and local authorities which pay a membership to support the cluster. Thus companies which are members contribute to the financing of the cluster management
HOW IS FUNDING DISTRIBUTE? THROUGH SUBSCRIPTIONS, DONATIONS OR SERVICES?	As far as public funding is concerned it is distributed through subventions according to an approved project budget

ANNEX MATRIX

		GOALS OF THE SCHEME				
		Human Resources Upgrading	Innovation	Cluster Develop.	Business Develop.	Commercial Collaboration
TYPE OF ACTIVITY FUNDED	Information and contact brokerage			Financial support to the cluster management		
	Practical assistance and advice					
	Infrastructure financing					
	R & D		Financial support of innovative R&D projects			
	Research Mobility					
	Technology Transfer					
	International Cooperation					
	Training					
	Networking organising events					
	Creation and launching company	new				