



Grant agreement no.: FP7-229947

INRES

Insular regions cooperating for maximising the environmental and economic benefits from research in Renewable Energy Sources

Seventh Framework Programme – Capacities (Regions of Knowledge)
Support Action

Work package 4 (Trans-regional joint actions for structuring the future)



Deliverable 4.2 (INRES Joint Action Plan and integrated Business plan)

Author: ITC (Penélope Ramírez)

For further information please contact: pramirez@itccanarias.org

Submission date: March 2012

Dissemination level - Confidentiality		
PU	Public	X
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	

 INRES FP7-229947	Deliverable 4.2		 CAPACITIES
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	

List of Acronyms and Abbreviations

Acronym/ abbreviation	Resolution
JAP	Joint Action Plan
MW	Mega Watt
kW	Kilo Watt
kWh	Kilo Watt hour
m2	Square meters
PV	Photovoltaic
RE	Renewable Energy
RES	Renewable Energy Sources
RTD	Research and Technology Development
VC	Venture Capital
ERDF	European Regional Development Fund
ESCO	Environmental Service Company
CPMR	Conference of peripheral maritime regions
EREC	European Renewable Energy Council
IPR	Intellectual Property Rights
GHG	Greenhouse Gases
EEN	Enterprise Europe Network
EURADA	European Association of Regional Development Agencies
SMEs	Small and medium enterprises





 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	

Table of contents

1. Introduction.....	4
2. JAP objectives.....	8
3. JAP priorities.....	8
4. Action lines.....	10
Priority 1: Policies addressing legal and financial incentives to encourage RES solutions in islands.....	10
Priority 2: Measures to encourage R&D+I for advanced technological RES solutions in islands.....	11
Priority 3: Community awareness and capability activities.....	13
5. Proposals.....	14
Priority 1: Policies addressing legal and financial incentives to encourage RES solutions in islands.....	15
Priority 2: Measures to encourage R&D+I for advanced technological RES solutions in islands.....	23
Priority 3: Community awareness and capability activities.....	35
6. Workplan.....	46
6.1 Monitoring and evaluation of the JAP.....	47
7. Financial sources.....	50
7.1 Financing Projects.....	50
7.2 Funding Instruments.....	52
8. Bibliography.....	53
Annex 1: Financial sources.....	54

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	

1. Introduction

The INRES network contributes with its activities to the implementation of the Renewable Energy Directive/28/EC adopted by the European Commission, which includes as objectives for 2020 to increase the contribution of renewables to 20% of gross final energy demand, 10% in the transport sector using biofuels, and to cut greenhouse gas emissions by 20%. These targets also exist in the context of a 20% improvement in energy efficiency by 2020. This is the so called 20-20-20 package, which combines various measures aimed at reducing the European Union's energy dependence on the exterior and tackling climate change. Experts therefore consider that the Directive is extraordinarily valuable in ensuring the renewables sector continues to grow and gain market share.

Besides the national renewable energy action plan setting out the national targets for the share of energy from renewable sources consumed in 2020, which is stated as mandatory in this Directive, Member States will apply support schemes or measures of cooperation between different member states to reach the mandatory targets. In this context, the INRES project contributes to the realization of the European Research Area in three islands regions: the Canary Islands, Crete and Samsø. The encouragement of cooperation and coordination of regional and national research activities in the RES field facilitates the implementation of long-lasting partnerships and establishes a permanent dialogue among the triple helix components making up a knowledge-based economy, an important indication for policy making: (1) the knowledge-producing sector (science), (2) the market and (3) the governments.



The binding target of 20% renewables by 2020 sets a legal support to the development of RES in the European States. The future expansion in the sector depends on such legislation for the time after 2020. Recently, the European Renewable Energy Council has suggested setting a new binding renewables target for 2030, debating how to lead the way with a clear commitment to a 100% renewable energy future by 2050 and an emission reduction pathway to reach 80-95% GHG reductions by that year.

In this framework, the INRES initiative for developing an inter-regional strategy for consolidating and developing the RES implementation policies in the three regions involved, matches EU needs for transforming Europe's energy system.

Preparatory work has been done in order to draw key findings from the regions' performances in RES with regard to political, technological and industrial/business aspects. Three main actions have been accomplished. First, a Cartographic Competence Scheme (CCS) has been elaborated for each region, providing a complete picture on the regional public and private key players involved in the RES sector with different knowledge backgrounds¹. Secondly, Regional RES-ID Cards have been set up that give an insight into the RES performance of the regions, illustrating information on the legal and political framework conditions and the expertise of the relevant scientific and industrial communities². Based on

¹ Deliverable 2.2, Cartographic Competences Scheme including regional partner profiles

² Deliverable 2.3, 3 regional RES - ID Cards

 INRES FP7-229947	Deliverable 4.2		 CAPACITIES
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	

these two documents, a cross-regional Comparative Analysis has been developed which presents the main outcome of the analytical work. The Comparative Analysis illustrates the network's performance with regard to research development and political framework conditions supporting the exploitation of RES in the three islands³.

The objective is to present the regions in a comparative way, allowing for the finding of complementarities and differences with regard to the regions' political, research and industrial performances. Based on the key findings, recommendations have been made by each region for pushing forward the regional development in the RES field and for increasing the sector's economic impact and competitiveness.

One of the main achievements of the INRES Project has been to **start and support a continuous and mutual learning process** of the regional clusters, providing important opportunities for exchanging experiences and good practices not only within the partners' consortium, but also among policy makers, stakeholders and SMEs operating in the RES sector. Towards this, project partners carried out five regional workshops, four interregional workshops and organised fourteen short-term personnel exchanges and visits in the partners' regions as well as twelve study visits.

The **regional and inter-regional workshops**⁴ offered to the three regional clusters the opportunity to exchange their experiences related to the policy strategies for a feasible economic exploitation of RES, as well as, expertise knowledge on the implemented research strategies and the take up of efficient technologies in industrial processes. The main discussions referred to the market and industrial needs and research policies to be created and developed in order to support innovation in RES. Stakeholders from the three island regions provided additional information on their regional scenarios, interesting inputs ideas and new approaches.

A. REGIONAL WORKSHOPS



In the context of INRES Project, regional workshops were organized over the course of the project. The workshops were organized in Crete, in Samsø and in the Canary islands.

The aim of the Workshops were to raise awareness and bring together key players and stakeholders from European regions (Crete, Canary Islands and Samsø), such as policy makers, technology experts and SMEs connected to RES in order to exchange experiences and best practices, create working groups and provide solutions related to RES existing and potential barriers.

The event in **Crete**, held in March 10, 2010, was organised by the Cretan partners of INRES, with the participation of over 120 people representing business and industry, academia and the local and

³ Deliverable 2.4, Regional comparative Analysis

⁴ Deliverable 3.2 Report on Regional Workshops and Deliverable 3.3 Report on inter-regional workshops

 INRES FP7-229947	Deliverable 4.2		 CAPACITIES
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	

regional authorities. In March 2012, a second regional event was organised for discussing JAP draft proposal.

The event in **Samsø** was organized in 16 & 17 September 2010 by the Danish partners of INRES, with the participation of almost all energy business of the island, the authorities and some 360 local people. The event was repeated the year after on 8-9 October 2011, and it drew even more visitors.

The events in the **Canary Islands** were organized in June 21, 2010 in Santa Cruz de Tenerife (Solsticio Verde 2010) and June 21, 2011 in Las Palmas de Gran Canarias (Solsticio Verde 2011) by the Spanish partners with the collaboration of the Cluster of Renewable Energy, Environment and Water Treatment of the Canary Islands (RICAM). The Solsticio Verde event has clearly been consolidated as a reference to keep a living flame of discussion between the different stakeholders of the Renewable Energy sector. The excuse of using such a signaled date coincident with the Summer Solstice (June 21) as a representative date for most of the renewable energy sources is starting to be recognized within the regional sector in the Canaries.

B. INTER-REGIONAL WORKSHOPS



Interregional workshops were organized in Heraklion, Crete (April 27, 2010), in Santa Cruz de Tenerife, Canary Islands (February 13, 2011) and in Hamburg, Germany on the occasion of Hamburg to be the Green Capital of Europe 2011 (May 25, 2011). The discussion continued in Samsø in the working groups made by representatives and stakeholders from the three regions for consensus building and to come into a common conclusion. The last inter-regional workshop took place in Chania, Crete (September 2011).

B1. Interregional Workshop, Crete

The workshop was organized by the regional partners with the participation of over 80 people from academia, industry and administration. Additionally, four technical visits have been planned and conducted, as part of the Workshop.

During the morning session, the INRES objectives and the regional analysis describing the RES situation for the three regions were presented. Representatives from the local Academic and Research Organizations with a long experience in RES topics introduced and discussed their research work and ideas, identifying potential RES opportunities. RES applications and installations were also presented from the business perspective.

The Afternoon session was split into two parallel Working Groups dealing with RES Policies or RES Technologies respectively. Topics discussed in the working groups were Local and Administrative Framework, Financial Initiatives and Instruments, Promotion of Innovation, co-operation between industrial players, the way to improve skills of people in RES industry, technology areas to build on and Isolation / Insularity problems.

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	

B2. Interregional Workshop, Canary Islands

The workshop was organized by the regional partners with the cooperation of the Enterprise Europe Network node in the Canary Islands and the RICAM cluster with an average of 100 attendants.

During the session, the project results, the comparative analysis of the three regions and best practices and partnerships opportunities from all regions were presented in the first part, followed by round table discussion and working sessions. Some of the main issues discussed coincided with those of the previous workshop in Crete, trying to get inputs from this new audience in a different framework and to compare them with those received in Greece.

B3. Interregional Workshop, Hamburg

The workshop was organized by Instituto Tecnológico de Canarias (ITC), Samsø Energy Academy (SEAcademy) and E-Collection-Hamburg, a German based Company which is working in the E-Mobility sector. The INRES group decided to do the WS in Hamburg as it was the European Green Capital 2011. The workshop took place on the 24th of May 2011 at the E-Collection exhibition in the new Hafen City Hamburg. Over 40 people attended the workshop.

The three partners presented their projects, experiences and opportunities in the field of RES and they had the opportunity to know several best practices and new RES technologies from private companies.



C. SHORT TERM PERSONNEL EXCHANGES

Next to the workshops, **short-term personnel exchanges** and visits were organised⁵. The participants, consisted of staff from project partners, but also scientific and industrial actors experienced different approaches regarding RES applications and learned from others experiences. These visits included technical information and practical evidence, aiming to improve participants' RES knowledge and expertise. The visits took place in different regional offices, labs and premises examining internal procedures related to the implementation of innovation RES applications and projects.

The study visits were organized up to May 2011, in Crete (2010), in the Canary islands (2009, 2011 and 2012), in Italy (2010), in Germany (2011) and in Denmark (2009, 2010 and 2011). Where possible, the exchanges took place subsequent to project meetings, and they lasted up to three days. All study visits were open to all the project partners.

The final aim of the project is to elaborate a Joint Action Plan (JAP) which represents a road map for measures/ actions to be further developed and implemented by the INRES partners after the project's end through the expansion of previous and ongoing coordination activities.

⁵ Deliverable 3.1 Report on Study visits

 INRES FP7-229947	Deliverable 4.2			
	Month - Year: March- 2012			Cod: INRES-Deliverable 4.2
				Ver: 1.0

Following the recommendations of each region for pushing forward the regional development in the RES field and further knowledge gained through workshops and staff exchange activities, the JAP aims to tackle identified problems by initiating concrete actions to strengthen skills, knowledge and capacities which support the reaching of higher performance levels in the long run.

2. JAP objectives

The main objective of the JAP is the development of an interregional strategy for consolidating and developing the RES implementation policies. Therefore, this common Action Plan has the objective of maximising the exploitation of results coming from the local research communities in the field of RES. In this regard, it is expected a more accelerated economic benefit from RES implementation through a more integrated relation among public, research and industrial/business sectors. **The JAP will ensure the necessary coordination and consistency in implementing RES policies and concerted research strategies at regional level, including the financial resources used for the foreseen activities.**



The general objectives of the JAP are:

- to adapt and to strengthen the Research, Development and Innovation (R&D+I) public policies, especially policies for or related to the RES sector,
- to promote, diversify and specialize in R&D+I activity in the RES sector,
- to foster the transfer R&D+I knowledge in the RES sector,
- to increase the awareness in RES technologies and their benefits among public, research and business sector,
- to increase the implementation of RES technologies in the regions,
- to exchange experiences between the participating regions and countries.

The JAP aims to achieve these general objectives through the development of common actions and methodologies among the INRES regions.

3. JAP priorities

The major issues about which the partners were concerned included the encouragement of RTD through appropriated measures, supported by legal and financial policies enhancing the R&D transfer to the business community, especially SMEs. This would represent environmental benefits gained through the implementation of RES and energy efficient technologies at regional level. In order to

 INRES FP7-229947	Deliverable 4.2		 CAPACITIES
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	

guarantee a real deployment of RES implementation and R&D transfer, community awareness activities at different levels, including stakeholders, politicians and other involved agents in the RES sector are the only mechanism for the success of the whole Joint Action Plan.

With his premises in mind, the INRES team has identified three main priorities on which to focus in the JAP in order to increase the regions' R&D+I and economic development in the RES sector. Thus, the JAP will be structured around these three priorities. The Plan will propose concrete actions to strengthen skills, knowledge and capacities which support the reaching of higher performance levels.

- 1: Policies addressing legal and financial incentives to encourage RES solutions in islands.
- 2: Measures to encourage R&D+I for advanced technological RES solutions in islands.
- 3: Community awareness and capability activities.



The definition of the priorities is based on an in-depth analysis made during the beginning of the project and especially derived from the results of the cross-regional Comparative Analysis. The key findings of the Comparative Analysis are the result of an intense discussion process initiated among the project partners and extended to regional key stakeholders operating in the RES sector.

The focus on the three priority areas shall create the right framework conditions for the research and industrial RES communities to increase their RES performance and reach higher economic outputs for the sector, therefore contributing also to the competitive position of the RES industry at European level.

Awareness activities are of special relevance if the involvement of different stakeholders is desired. In order to achieve the objectives proposed in this JAP, the compromise and the conviction of the different sectors is desired, and not only from the public side, but also from the utilities, the private enterprises and also the consumers, who have the power to decide the selection of more efficient technologies or less pollutant energy sources.

Subsequently to the analytical project phase, in May 2011, a specific workshop took place in Samsø, devoted to discuss and develop in groups for each of the three priorities action lines, including potential barriers and specific proposals for implementation. The team was divided in two groups: policy experts and technology experts, depending on the professional profile of the participants. Both groups discussed community awareness and capability activities.

These groups were useful to discuss, validate and enrich the analyses. They also brought in ideas for these action areas and for pilot projects. Among the lessons learned for the future success of the JAP were: the necessity for a clear mandate and timetable for the Plan; the obvious need for strong leadership and good connection with decision-making circles; the key point on including private sector

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	

in the debates, which is often very difficult to achieve; the relevance of cross-group interactions (notably between groups focusing on clusters); and the benefit of including external expertise and benchmarking. The methodology and conclusions of this workshop are included in D4.1 Annex II. Afterwards, the INRES partners continued to develop and complete the documents working by pairs online. This work concluded with the final elaboration of this JAP.

4. Action lines



The three priorities were further developed including action lines. Different actors were involved in the identification of these action lines. Regional authorities, representatives of private firms and of the scientific community were invited to the different workshops hold for this work. All the actions lines proposed were thoroughly analysed in order to identify possible barriers that could hinder their future implementation. Barriers analysed included different aspects such as economical, technical, regulatory or social issues. From this analyses, those action lines proposed which were less probably to be feasible were ruled out. Therefore, the action lines listed below are those that better fit to the common objectives of the INRES regions, integrating the point of view of the public regional authorities, research and industrial RES communities.

Each action line needs to be accompanied by measurable indicators reflecting expected results, according to the mission and objective, but also impacts reached, assessed through evaluations, so that the future ongoing of the JAP can be continuously monitored and evaluated until the end of its validity period.

Priority 1: Policies addressing legal and financial incentives to encourage RES solutions in islands.

All action lines developed under this priority will be identified with a P (for Policy measures).

1. **Action line P1. Alignment of policies.** Islands and other periphery rural areas may often have more in common than each island with other areas in their own national environment. Instead of cooperating and sharing best practices with other regions in the same country, islands could share best-practices, knowledge and experiences with other islands throughout Europe in a common island cluster. The cooperation between islands might become formalized in a common EU-office like other European regions.



 INRES FP7-229947	Deliverable 4.2		 CAPACITIES
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	

2. **Action line P2. Reduce bureaucracy.** Reduce lead time in processing proposals for specific RES-implementing projects. Long processing and inert processes in the public sector in dealing with RES-installations increase costs and decrease motivation, for both public and private organizations, to invest in RES and makes the overall planning of investments in RES-technologies insecure.
3. **Action line P3. Support the demand for RE.** Through the implementation of regulation for net metering, feeding tariff, tax advantages or others, the private sector will be able to convert energy-consumption to RES if the tariff system is designed in a way that makes investment in RES more economical than investment in traditional fuel-based energy resources. Systems of subsidies and taxes can easily turn the demand for traditional energy-sources into demand for RES.
4. **Action line P4. Green / blue economy, sustainable development.** Support the adoption of energy saving principles and energy efficient solutions in the local communities in order to support the sustainable environmental development of the island regions. In this sense a network of companies able to provide a broad range of comprehensive services in the energy field can be created. Furthermore, it seeks to generate an incentive to the creation of start-up companies operating in the field.
5. **Action line P5. Use / exploitation of existing networks.** The INRES regions already belong to informal and formal networks, such as EEN, EURADA, the European cluster Alliance or the Pact of Islands. These networks aim to strength the cooperation at public, research and business level among EU regions, but sometimes they are not well known by the regional agents. By the definition of specific actions the use of these networks can reinforce trans-regional cooperation, raising the level of excellence and efficiency.

Priority 2: Measures to encourage R&D+I for advanced technological RES solutions in islands.



All action lines developed under this priority will be identified with a T (for Technological measures).

1. **Action line T1. Technical support to companies.** SMEs need support to overcome technical obstacles e.g. technology gap in low tech companies or to participate in EU programs for proving new technological developments. Most of these companies lack research capacity or find difficulties even to reach new markets. The insular SMEs need the required support to introduce new technologies in their business, mainly in the RES sector which still finds some reluctance

 INRES FP7-229947	Deliverable 4.2		 CAPACITIES
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	

from the users when technology is not mature or not locally known. In this sense, exchange of knowledge in operation and maintenance would be a way of overcoming this reluctance.

2. **Action line T2. Developing of prototypes/pilot installations** to study reference solutions. The RE technologies are experiencing a rapidly changing development, looking for new solutions that best match particular needs. Insular regions present different characteristics than mainland and technological solutions for insular particularities can be proved in these regions through the development of prototypes or pilot installations. Industrial and research players can join forces to make these improvements or to find the solutions to these specificities (a major challenge for the future in the RES will be the storage of the energy, stand-alone systems, small electric grids...).
3. **Action line T3. Call for ideas for achieving 100% RES.** The future energy system, in accordance to the EU objectives for 2050, should reach 100% renewable by 2050. The expansion in the sector depends on new ideas for achieving these objectives after 2020. New binding renewable targets have to be implemented for 2030 and afterwards to lead the way for the desirable energy future. Open call for 100 % RES can introduce new ideas with a clear commitment to a 100% renewable energy future. The whole community can participate in this call in order not to miss any opportunity to change the present energy system and convert the islands in sustainable regions.
4. **Action line T4. Networking in RES technologies and experts.** The best way of implementing new RES technologies is through permanent communication among experts who can debate and actualize their knowledge, sharing experiences and supporting the technological upgrading of SMEs. Promotion of networking and support for clustering, linking SMEs with academic and research labs is needed. Through a network of experts the INRES regions can keep in touch with new technological developments, with new standards or even exchange knowledge about new possibilities for RES use in insular regions.
5. **Action line T5. Support to IPR management.** Researchers have a great technical capacity, which can be further improved in order to foster new technological developments. But when it comes to protect their new prototypes or innovations, they lack of the appropriated knowledge. The scientific community needs to be advised on how the research results can be protected. This can be done through the organization of training seminars and permanent supporting tools for creating awareness and providing information in issues related with the management and protection of Intellectual Property.
6. **Action line T6. Sharing of better exploitation of research infrastructures** between entities. The research institutes in the INRES regions already count on infrastructures which have been used or are still being exploited for research or demonstrations purposes. These infrastructures could

	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	



be used by researchers of the different INRES regions, making a better use of existing installations and finding common synergies of work for a further R+D+I in the RES sector.

- Action line T7. Energy consulting for individuals.** Energy saving and the use of RES solutions is in the objectives of the EU 20-20-20 strategy for reducing CO₂ emissions. An assessment on energy consumption is needed to know possibilities to reduce emissions and to implement RES technologies for energy production. Home energy checks by an energy advisor is a work intensive activity, but efficient. The home owner can speak freely, when the advisor is independent and free of charge. There is a better likelihood of gaining energy savings this way.

Priority 3: Community awareness and capability activities.

All action lines developed under this priority will be identified with an A (for Awareness measures).

- Action line A1. Knowledge and education/training:** Education and training is a strong instrument for changing attitudes and behavior. By training professionals in the field of RES they can become aware of the possibilities of RES and their own potential role in converting to RES-technology. Making professionals become change-agents for RES will have a significant effect of the awareness in the general public and might persuade private households and SMEs as consumers to convert to RES. Other possibilities in training lie in exchanging programs, teachers and students between educational organizations in the different European areas, that have a large extend of similarity. Another perspective lies in strengthening cross-sectorial education in which research-based professionals learn about the conditions of the market for SMEs or experience the technical constraints and possibilities of SMEs. The mutual exchange of thoughts between researchers and craftsmen will improve the technology-transfer between research institutions and SMEs.
- Action line A2. Organization of thematic workshops.** This action will facilitate the potential for establishing public-private synergies within the sector. Main players and local stakeholders will have the opportunity to participate in thematic workshops and examine collaboration opportunities in particular areas which need further improvement. These workshops and expert meetings could be organized on an annual base, following the state-of-the art changes, trends and progress.
- Action line A3. Staff exchange:** Inter-regional training and visits. Staff exchanges are necessary in order to solve common problems and, specially, to learn how other regions have solved those

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	

common problems hindering a wider implementation of RES. Exchanging knowledge and living the experiences adopted in other INRES regions may help to overcome obstacles.



4. **Action line A4. Common marketing strategy** both external and internal. Internal: approach regional actors. External: islands as living labs, energy tourism, “friendship” islands. The marketing strategy should be jointly developed, considering both needs from internal and external sides which are highly interrelated with each other. This strategy will be based on current, but also on future needs at a long-term level. The action line A2 Organization of *thematic workshops* will help to identify potential issues to be considered and included in the marketing strategy.

5. **Action line A5. Awareness activities to develop a responsible society**, including press releases: This action line tries to go over the consumers mistrust to renewable technologies. Many of them don’t even know what CO2 is and why it bothers or what is the difference between kW and kWh. They may find user-interfaces too complicated and too computer oriented. There is resistance against wind turbines from neighbours or animal protection agencies (eagle protection). The society must be informed about benefits of renewables for energy production, about the problems related to CO2 emissions and about different ways of financing such projects to develop a responsible society. This can be also called “green awareness”, establishing a contest on best RES cases.

5. Proposals



Each action line has been depicted in specific proposals, identifying:

- The action line addressed.
- The objectives and description of the action.
- The target groups.
- The actors involved and their responsibilities.
- The timeframes and funding sources, including actual programmes, instruments or initiatives feeding these actions and meeting the faced challenges.



 INRES FP7-229947	Deliverable 4.2		 CAPACITIES
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	

Priority 1: Policies addressing legal and financial incentives to encourage RES solutions in islands.



PROPOSAL P1.1	Comparative analysis of local insular policies
Action line	P1: Alignment of policies
Objectives	<ul style="list-style-type: none"> • Enhancing best insular policies for RES development • Disseminate the best practices • Improve awareness, capacity and knowledge • Creating a strategic tool for regional decision makers
Short description (what is it about?)	Development of a study document to: <ul style="list-style-type: none"> • Determination and analysis of local insular policies • Practical Effects per policy • Comparative analysis of policies by using quantitative and qualitative indicators • Identify best policy case and key policy factors • Policy recommendations, conclusions and common measures for islands.
Beneficiaries	National and regional authorities
Responsible Entity to carry out the proposal	<ul style="list-style-type: none"> • Universities • Academic institutions • Regional Energy Agencies
Other agents involved in its development	Regional Energy Entities
Duration of the action	2012-2014
Estimated cost and funding sources	30.000 € Co-financing by ERDF/ CPMR/European programs
Other remarkable aspects	

 <p>INRES FP7-229947</p>	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	



PROPOSAL P1.2	Upgrading and involvement in the common representative structure in Brussels for European islands
Action line	P1: Alignment of policies
Objectives	<ul style="list-style-type: none"> • Promoting communication and closer collaboration between European islands • Active and systematic presence and involvement in European developments • Mobilizing and committing local and regional insular authorities around the fulfillment of EU energy objectives
Short description (what is it about?)	<p>Institution building:</p> <ul style="list-style-type: none"> • Existing structures are: Island Commission of CPMR ISLENET and INSULEUR. • The common structures represent European islands in EU institutions and support concerted action of the European islands in the field of policy making for RES and energy efficiency. • Strengthen the significance on RES policies in the existing structures <p>Indicative activities:</p> <ul style="list-style-type: none"> • Promoting, coordinating and supporting common issues of interest • Lobbying and networking for promoting common insular sustainable energy policies • Providing reliable information on European policies and diffusion • Participating in policy consultations and legislation process • Raising funds for implementing common insular strategies
Beneficiaries	<ul style="list-style-type: none"> • Regional and local insular authorities • Local insular societies
Responsible Entity to carry out the proposal	Insular Regional authorities from European islands and associations
Other agents involved in its development	<ul style="list-style-type: none"> • Local authorities and associations • Regional Energy Entities • Development Agencies
Duration of the action	2012-2020
Estimated cost and funding sources	n/a
Other remarkable aspects	<p>For the operation of the structure there will be needed:</p> <ul style="list-style-type: none"> • stature • staff, offices, equipment, website etc

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	



PROPOSAL P2.1	Focusing on communication strategies to decrease the processing time of RES solutions
Action line	P2: Reduce bureaucracy
Objectives	To accelerate the implementation of RES solutions that need processing through the bureaucratic and political system
Short description (what is it about?)	<p>RES solutions are just one of the topics that are in competition for the resources and attention of bureaucrats and politicians. One of the more effective means of getting a higher priority in agenda-building for political and bureaucratic processing is getting the public focus on RES-policies and solutions. In general RES politics and solutions give positive media attention which the political and bureaucratic elite longs to brand itself with.</p> <p>By using the media active in communication strategies the RES solution might get a higher priority in agenda-building. While we have animal-welfare groups, environmental groups, unions to protect workers' interest there is no broad RES lobby to focus on the RES cause. The communication strategy can be motivated by NGO's.</p> <p>Decrease the processing time by the authority should be a consequence of this strategy.</p>
Beneficiaries	Enterprises designing and implementing RES solutions
Responsible Entity to carry out the proposal	Private sector (no natural organisation)
Other agents involved in its development	In cooperation with local-regional governments and Energy Agencies
Duration of the action	2012-2016
Estimated cost and funding sources	n/a
Other remarkable aspects	Media have enormous resources to mobilize support for RES that are being paid for on beforehand

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	



PROPOSAL P3.1	Feed-in tariffs
Action line	P3: Support the demand of RES
Objectives	To increase the demand for RES in enterprises
Short description (what is it about?)	Construct a system that combines net-metering and feed – in tariffs for all RES technologies
Beneficiaries	Building cooperation and perhaps consumers or enterprises
Responsible Entity to carry out the proposal	Energy agency since it has contracts with government and consumers
Other agents involved in its development	<ul style="list-style-type: none"> • Enterprises • Regional Government • House-owners • Energy – companies
Duration of the action	2014-2020
Estimated cost and funding sources	n/a
Other remarkable aspects	Central role of the energy utilities / producers. Raise awareness for many actors.

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	

PROPOSAL P4.1	Support the creation and growth of “ESCO-like” companies (Energy Service Companies)
Action line	P4: Green / blue economy, sustainable development
Objectives	<ul style="list-style-type: none"> • To train companies on providing support services in aspects related to energy and energy efficiency issues. • To enlarge the network of companies able to provide competent consulting with regard to energy concerns. • To create a pool of energy experts supportive to the work usually conducted by the energy agencies. • To diffuse knowledge on energy efficient solutions among regional actors (i.e. large energy companies, further industrial companies, other actors).
Short description (what is it about?)	<p>The ESCO-like company will provide according to the definition of an ESCO a broad range of comprehensive services in the energy field. In particular, services to be offered are amongst others the design and implementation of energy saving projects and in this regard the dealing with issues, such as energy conservation, power generation and energy supply, as well as the risk management of energy investment projects. In this regard, concrete actions of an ESCO-like company will be the performance of an in-depth analysis of the property, the setting up of energy efficient solutions and the steps to be taken for reaching envisaged energy savings in a given payback period.</p> <p>To become an ESCO-like company, the sector-related companies of the participating island regions will be trained in particular on the following energy issues:</p> <ul style="list-style-type: none"> • Identification and evaluation of energy-saving opportunities; • Management of an energy saving project, starting from the design to installation to the monitoring; • Detection and pooling of adequate financing possibilities; • Training of staff on related project issues and how to provide ongoing maintenance services during the project implementation. Through the participation of energy experts with research, industrial and institutional background to the INRES network and its associated clusters, training can be provided that covers technical, scientific and organizational concerns. <p>The goal of the action is to create a network of ESCO-like companies in the island regions.</p>
Beneficiaries	<ul style="list-style-type: none"> • Companies with large energy consumptions in order to reach a high energy saving impact. • Further industrial companies as well as research and institutional actors.

 INRES FP7-229947	Deliverable 4.2		 CAPACITIES
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	



Responsible Entity to carry out the proposal	<ul style="list-style-type: none"> • REAC and Samsø Energy Agency as main energy experts with both technical and institutional knowhow • ITC, FORTH, Samsø Energy Academy as research/ technical actors • INNOVA as intermediary organisation responsible for the development of the training methodology and structure
Other agents involved in its development	<ul style="list-style-type: none"> • RICAM as main cluster for renewable energy, environment and water issues in the Canary Islands • Cretan Energy Cluster, dealing with renewable energies and environmental technologies in Crete • Local associations of different industries
Duration of the action	<p>2012-2020</p> <p>The first year will be mainly dedicated to the structuring of the training material, the content and the first selection of companies to be trained. Training material will be updated according to the political and legal frameworks and derived needs. The selection of trainees will be done on an annual basis.</p>
Estimated cost and funding sources	<ul style="list-style-type: none"> • Financed through Innovation Vouchers issued by the regional agencies. Each Innovation Voucher should have a value of Euro 2.500, to be used for one training which will have the duration of five days. • Co-financed by the EC specific programs • Co-financed by European Support Frameworks of the specify countries
Other remarkable aspects	<p>The opportunity to become an ESCO-like company will provide the possibility to local companies to diversify and enlarge their service offer. Furthermore, the activity has also the potential to generate the start-up of new companies in the island regions.</p> <p>There are two main indicators that will support the evaluation of the success of the proposal over time:</p> <p>Number of ESCO-like companies: at least 3 in all three project regions on a yearly basis.</p> <p>Number of Innovation Vouchers issues by the regional agencies: at least 2 vouchers issued in each island every two years.</p>

 INRES FP7-229947	Deliverable 4.2		 CAPACITIES
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	



PROPOSAL P5.1	Exploit the “EEN”⁶ and “Erasmus for young entrepreneurs”⁷ networks on the islands
Action line	P5: Use / exploitation of existing networks
Objectives	<ul style="list-style-type: none"> • To involve SMEs and researchers into the two networks as clients through their regional contact points. • To diffuse knowledge on the functioning and main benefits of the two networks. • To exchange information on a regular basis with the two networks and receive input on how to use their services efficiently for the regional development. • To establish long-term relationships between SMEs and researchers of different regions and reinforce trans-regional cooperation.
Short description (what is it about?)	<p>The two networks are created by DG Enterprise, European Commission.</p> <ul style="list-style-type: none"> • Enterprise Europe Network, with the main goal to reinforce technology transfer and participation in EU proposals (one-stop-shop for the EC). • Erasmus for Young Entrepreneurs, a programme for new entrepreneurs, aimed to enhance trans-regional mobility through placements of new entrepreneurs in companies (only SMEs) with a duration of up to six months <p>The proposed action is to make SMEs/ researchers become clients of the two networks in order to exploit their services as a way to cooperate among the three islands. The main steps to be followed are:</p> <ul style="list-style-type: none"> - Get in contact with the responsible intermediate organisations of the two networks in the region or country of origin. - Organise information days and dissemination material to be distributed to the local companies, with the support of the locally existing clusters, networks and associations. - Sign partnership agreements between the two networks and local SMEs/ researchers in order to become official clients of the networks.
Beneficiaries	<p>Three main groups of beneficiaries have been identified:</p> <ul style="list-style-type: none"> • SMEs • Researchers (for Erasmus Young Entrepreneurs programme with a business plan) • New entrepreneurs

⁶ www.enterprise-europe-network.ec.europa.eu

⁷ www.erasmus-entrepreneurs.eu



 INRES FP7-229947	Deliverable 4.2		 CAPACITIES
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	

Responsible Entity to carry out the proposal	<ul style="list-style-type: none"> • ITC and FORTH as members of the network • SEA to get in contact with AGROPARK (member of the network in Denmark) • INNOVA
Other agents involved in its development	<ul style="list-style-type: none"> • RICAM as main cluster for renewable energy, environment and water issues in the Canary Islands • Cretan Energy Cluster, dealing with renewable energies and environmental technologies in Crete • Brdr. Stjerne K.S
Duration of the action	2012-2020
Estimated cost and funding sources	Not extra cost. It's already financed by CIP programme (EU funding)
Other remarkable aspects	<p>Indicators selected for evaluating the effectiveness of the measures are:</p> <ul style="list-style-type: none"> - Number of companies becoming members of the two networks: at least 5 companies for both networks in all project islands - Number of partnership agreements: at least 2 partnership agreements each year in all project islands



 INRES FP7-229947	Deliverable 4.2		 CAPACITIES
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	

Priority 2: Measures to encourage R&D+I for advanced technological RES solutions in islands



PROPOSAL T1.1	SMEs technological upgrade
Action line	T1. Technical support to companies
Objectives	Provide technical support to interested companies to improve their competitiveness
Short description (what is it about?)	<ul style="list-style-type: none"> • Support to SMEs to participate in EU programs. • Support to overcome technical obstacles e.g. technology gap in low tech companies. • Promotion of staff exchange schemes between industry-academia. Promotion of networking and support for clustering. Linking SMEs with academic and research labs. • Pursuing public – private partnerships. Develop new products and markets
Beneficiaries	<ul style="list-style-type: none"> • Companies and Research Organizations • Researchers and Technologists
Responsible Entity to carry out the proposal	<ul style="list-style-type: none"> • Academic and Research Institutions or Enterprises • Unions of Enterprises • Chambers of Commerce
Other agents involved in its development	<ul style="list-style-type: none"> • Regional Authorities • Municipalities • Consulting companies
Duration of the action	2012-2020
Estimated cost and funding sources	Co-financed by industry For EU funded actions, it will follow the rules of programmes
Other remarkable aspects	Short exchange schemes

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	



PROPOSAL T1.2	Creation of portfolio of RES technologies available in the regions to transfer to industry
Action line	T1. Technical support to companies
Objectives	Creation of a portfolio of RES technologies available for transfer to industry
Short description (what is it about?)	Collection of available RES technologies in each region. Evaluation and development of a portfolio. Secure Intellectual Property Rights. Promotion of technologies for exploitation
Beneficiaries	<ul style="list-style-type: none"> • Research organizations • Researchers and Technologists • Industrial players
Responsible Entity to carry out the proposal	Academic and Research Institutions or Enterprises
Other agents involved in its development	<ul style="list-style-type: none"> • Regional Authorities • Municipalities • Consulting companies
Duration of the action	6 months for development of a permanent mechanism (2012/2020)
Estimated cost and funding sources	<p>Original cost for development of the portfolio: 50.000 €.</p> <p>Management cost 20.000-30.000€/year</p> <p>Use of regional, national or European funds. Contribution of the private sector</p>
Other remarkable aspects	

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	



PROPOSAL T1.3	WEB platform of small-scale RES reference projects
Action line	T1. Technical support to companies
Objectives	Creation of a web platform of small-scale RES reference projects to share experiences for demonstration of technical and economical viability.
Short description (what is it about?)	<p>The proposed action is to collect data of RES reference projects in the three target regions about:</p> <ul style="list-style-type: none"> • Net-metering electrical RES solutions • Small distributed generation RES plants • Mini-grid RES systems <p>The web site will contribute to exchange technical, economical and operational information of these reference installations in the three regions through a specific web forum.</p>
Beneficiaries	Owners, installers, promoters, designers, users and the general public of RES technologies, especially PV and small wind installations.
Responsible Entity to carry out the proposal	Industrial players of the three regions
Other agents involved in its development	<ul style="list-style-type: none"> • ITC • FORTH • SE • Other agents of the research community in the three regions
Duration of the action	2013-2015
Estimated cost and funding sources	Original cost for development of the web platform: 15.000 €. Management cost 5.000 €/year
Other remarkable aspects	

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	



PROPOSAL T2.1	Exchange experience in the field of PV systems
Action line	T2. Developing of prototypes/pilot installations to study reference solutions
Objectives	Solar inverter concept with optimized power consumption and battery manager
Short description (what is it about?)	<p>A major challenge for the future in the RES will be the storage of the energy.</p> <p>Solar photovoltaic systems often require battery subsystems to store electrical energy for times of zero insolation. A Battery Storage System can maximize the consumption. The flow direction changes according to demand and supply and if the excess electricity is stored or fed into the grid. Current is obtained from the grid when the battery is empty and the PV system does not deliver enough. The main system components are therefore the batteries, the inverter, the PV modules and the utility meter. Charge controller is needed to prevent battery overcharging and to prolong the life of the system.</p> <p>Researchers are working to develop sustainable and cost effective solutions for storage technologies. The use of longer-lasting and environmentally friendly Li-ion battery appears to be possible.</p> <p>This new storage technology can be proved by research institutions, gathering data of operation and maintenance to be shared with the industrial players for the future wide commercialization of the system. In this way, the private sector has the support of the researchers for their industrial developments.</p>
Beneficiaries	<ul style="list-style-type: none"> • Research institutions • Constructors • Consumers
Responsible Entity to carry out the proposal	<ul style="list-style-type: none"> • Research partners • Industrial partner provides input
Other agents involved in its development	
Duration of the action	1 year
Estimated cost and funding sources	20.000 € (including the system and the test period)
Other remarkable aspects	The exchange of data operation of the new system will further contribute to closer partnerships between the private sector and the researchers.

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	



PROPOSAL T3.1	Ideas for 100 % RES
Action line	T3. Call for ideas for achieving 100% RES
Objectives	Awareness raising for new ideas for 100 % RES Collection of new ideas for 100 % RES
Short description (what is it about?)	Open call for new ideas for 100 % RES. Collection evaluation and promotion of ideas. Financing of new ideas
Beneficiaries	<ul style="list-style-type: none"> • Enterprises • Research labs • Individuals
Responsible Entity to carry out the proposal	Regional authorities
Other agents involved in its development	<ul style="list-style-type: none"> • Academic Institutions • Companies
Duration of the action	6 months call, every year
Estimated cost and funding sources	30.000 – 50.000 € Regional, national funds, private funds
Other remarkable aspects	

 INRES FP7-229947	Deliverable 4.2		 CAPACITIES
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	



PROPOSAL T4.1	Transregional think tank of experts
Action line	T4. Networking in RES technologies and experts
Objectives	Provide technical support to SMEs, large companies and research organizations
Short description (what is it about?)	Support to SMEs to overcome technical problems, identification of needs, proposal for technological upgrading, proposal for new activities, promotion of international cooperation. Promotion of networking and support for clustering. Promotion of international partnerships. Development of new products and markets
Beneficiaries	<ul style="list-style-type: none"> • Companies and Research Organization • Researchers and Technologists
Responsible Entity to carry out the proposal	<ul style="list-style-type: none"> • Academic and Research Institutions or Enterprises • Unions of Enterprises • Chambers of Commerce
Other agents involved in its development	<ul style="list-style-type: none"> • Regional Authorities • Consulting companies
Duration of the action	EU funded actions; it will follow the rules of programmes
Estimated cost and funding sources	Initial cost for the development of the network, 50.000-60.000 €, running cost 20.000€/year. Funding by regional, national or European funds.
Other remarkable aspects	Exploitation of existing collaborations and networks

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	



PROPOSAL T4.2	Development of a permanent network of experts in RES technologies to integrate the existing expertise
Action line	T4. Networking in RES technologies and experts
Objectives	Development of a permanent network of experts in the RES sector.
Short description (what is it about?)	Support to the technological upgrading of SMEs. Promotion of networking and support for clustering. Linking SMEs with academic and research labs.
Beneficiaries	<ul style="list-style-type: none"> • Companies and Research Organizations • Researchers and Technologists • SMEs and SMEs associations
Responsible Entity to carry out the proposal	<ul style="list-style-type: none"> • Academic and Research Institutions or Enterprises • Unions of Enterprises • Chambers of Commerce • Professional associations
Other agents involved in its development	<ul style="list-style-type: none"> • Regional Authorities • Professional associations
Duration of the action	Permanent action
Estimated cost and funding sources	<p>Initial cost for the development of the network, 20.000 €, running cost 10.000 €/year.</p> <p>Funding by regional, national, European funds.</p>
Other remarkable aspects	Exploitation of existing collaborations and networks

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	



ACTION T4.3	Web-based GIS Renewable Energy Observatory
Action line	T4. Networking in RES technologies and experts
Objectives	Creation of a web-based GIS Renewable Energy Observatory where all the information about RES technologies, RES projects, RES resources, RES policies, etc. are available.
Short description (what is it about?)	<p>The idea is to have a unique web platform where the following information is available for all the regions:</p> <ul style="list-style-type: none"> • Solar, wind, marine, geothermal and biomass resource atlas • RES projects locations and technical data • Energy infrastructures (electrical grid, etc.) • RES Policies and planning • Companies and institutions • Research groups and research projects <p>The web site will also have a research area where companies and research institutions could exchange project ideas and proposals</p>
Beneficiaries	<ul style="list-style-type: none"> • Policy makers • Private companies • Researchers • General public interested in RES technologies
Responsible Entity to carry out the proposal	Regional Cluster in RES
Other agents involved in its development	<ul style="list-style-type: none"> • ITC • Forth • SE • Other research institutions
Duration of the action	2013-2018
Estimated cost and funding sources	150.000€ for its implementations and running cost Funding by regional, national, European funds
Other remarkable aspects	

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	



PROPOSAL T5.1	IPR management support
Action line	T5. Support to IPR management
Objectives	<p>To create awareness and to support SMEs and research labs in managing IPR issues.</p> <p>To provide support in IPR protection, management and exploitation issues.</p>
Short description (what is it about?)	<p>Organization of training seminars and permanent supporting tools for creating awareness and providing information in issues related with the management and protection of Intellectual Property.</p> <p>Organization of a national or transnational network for providing technical information and support for IPR management.</p>
Beneficiaries	<ul style="list-style-type: none"> • SMEs • Research Labs, • Consulting companies • IPR management companies
Responsible Entity to carry out the proposal	<ul style="list-style-type: none"> • Regional Authorities • Academic Institutions • SMEs
Other agents involved in its development	<ul style="list-style-type: none"> • National Intellectual Property Offices • Specialized Law Offices • Patent Attorneys
Duration of the action	<p>Training courses: 3-6 months</p> <p>2014-2020</p>
Estimated cost and funding sources	<p>Training courses: 50.000 €/year</p> <p>Development and operation of the Network: 100.000 €</p> <p>Regional, national, European and private funds</p>
Other remarkable aspects	

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	



PROPOSAL T6.1	Web-based research infrastructure
Action line	T6. Sharing of better exploitation of research infrastructures between entities
Objectives	Creation of a web-based research infrastructure of the different research centers in the INRES regions in order to find synergies of work and possibilities of cooperation in new developments in RES technologies.
Short description (what is it about?)	<p>The web platform will include information about infrastructures available in the research centers on the INRES partners to be shared only with other researchers in the regions:</p> <ul style="list-style-type: none"> • Research lines developed in each center including technical capacity of the staff (Curriculum Vitae) • Available surface for new pilot installations, electrical grid characteristics, wind and solar resources... • Existing wind platforms detailing technologies, power and development state (prototype, commercial...). • Existing PV platforms detailing technologies, power, and development state (prototype, commercial...). • Existing testing labs. • Other available RES installations in the centers: hydrogen, biomass... <p>This web site will allow the research institutions to find new ideas for project proposals sharing existing infrastructures in the INRES region.</p>
Beneficiaries	<ul style="list-style-type: none"> • R+D+I institutions • Universities
Responsible Entity to carry out the proposal	ITC
Other agents involved in its development	<ul style="list-style-type: none"> • FORTH • SE
Duration of the action	2012-2015
Estimated cost and funding sources	50.000 € including web creation and 3 years maintenance Financed by regional and European sources
Other remarkable aspects	

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	

PROPOSAL T7.1	Assessment of energy consumption and saving
Action line	T.7 Energy consulting for individuals
Objectives	To reach the EU and national goals for 2020 through the assessment of energy consumption and saving for individuals.
Short description (what is it about?)	<p>This proposal includes activities such as:</p> <ul style="list-style-type: none"> • Home energy checks and awareness campaigns • To help energy suppliers find energy savings • Media campaigns to activate the local community
Beneficiaries	<ul style="list-style-type: none"> • Home owners • Energy suppliers • National government
Responsible Entity to carry out the proposal	Energy Agencies
Other agents involved in its development	Energy Suppliers
Duration of the action	2012- 2020
Estimated cost and funding sources	<p>At least 5 energy check per year, making a total of 9.000 € in the whole period</p> <p>National governments, EU programmes, energy suppliers</p>
Other remarkable aspects	Energy suppliers in Denmark are obliged by the government to find 2% energy savings per year



 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	

PROPOSAL T7.2	Nearly zero energy rural hotel buildings
Action line	T.7 Energy consulting for individuals
Objectives	Rural tourism is a priority sector in the islands as a dynamic actor that will contribute to boost the economy of traditional agricultural areas, while preserving the environment through rational exploitation of resources. The need for specific analysis applied to hotels in rural areas has been identified, considering the specific characteristics of such facilities (most of them old buildings[i] renovated for tourism). The objective is to analyze the current status of rural tourism energy consumption with the ultimate aim of drawing conclusions to improve energy performance in terms of reducing their consumption through energy efficiency and savings, and increasing the use of autochthonous and clean renewable energy resources.
Short description (what is it about?)	<p>This proposal includes activities such as:</p> <ul style="list-style-type: none"> • Exchange of good practices • Elaboration of action plans and the collaboration among energy key actors and rural hotel groupings • Implementation of awareness raising activities and the refinement of energy policies in the regional context
Beneficiaries	<ul style="list-style-type: none"> • Rural hotels owners • Energy suppliers
Responsible Entity to carry out the proposal	<ul style="list-style-type: none"> • Research institutes such as (ITC, FORTH and SE): • Energy agencies of the regions
Other agents involved in its development	<ul style="list-style-type: none"> • Industrial partners and clusters from tourism and RES sector
Duration of the action	2013- 2015
Estimated cost and funding sources	<ul style="list-style-type: none"> • 950.000 € • EU programmes
Other remarkable aspects	



 INRES FP7-229947	Deliverable 4.2		 CAPACITIES
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	

Priority 3: Community awareness and capability activities



PROPOSAL A1.1	Training and education
Action line	A1: Knowledge and education/training
Objectives	<ul style="list-style-type: none"> • Improve awareness, knowledge, skills • Provide expertise • Improve communication and collaboration • Improve quality of work, exchange ideas • Innovation awareness in RES technologies • Life Long Learning programmes (Erasmus...)
Short description (what is it about?)	<ul style="list-style-type: none"> • Courses • Online learning using Moodle • Workshops, seminars • Share teaching material. Collect from partners • Prepare materials, write a text book • University to issue diploma, INRES partner delivers teaching in a university setting
Beneficiaries	<ul style="list-style-type: none"> • Students • Researchers • Staff in energy agencies • Experts • Policy makers, municipal officers • Stakeholders • Professionals
Responsible Entity to carry out the proposal	<ul style="list-style-type: none"> • Research partner • Industrial partner provides input • Public partner provides customers
Other agents involved in its development	<ul style="list-style-type: none"> • Local authorities • Chambers, development agencies • Manage energy web database of teaching material
Duration of the action	2012-2020
Estimated cost and funding sources	<p>Cost of 1 module for the provider including overhead: 600 EUR per region. A total of 16.000 € along the period</p> <p>Funding source: project funding, participant fee</p>

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	



Other remarkable aspects	<ul style="list-style-type: none"> • Input from other professors, they give 1-2 modules • 1 module = ½ day (3 hours) • 1 entry module • Introductory level, advanced level • Same price in different countries • Participant price for 1 module with tax: 50 – 750 EUR
---------------------------------	--

 INRES FP7-229947	Deliverable 4.2		 CAPACITIES
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	



PROPOSAL A1.2	Training of public officials
Action line	A1: Knowledge and education/training P1: Reduce bureaucracy
Objectives	<ul style="list-style-type: none"> • Improve awareness, capacity and knowledge • More efficient use of EU funds (ERDF, Cohesion Fund, EIB etc) and national funds • Achieving environmental, energy targets • Reducing unemployment-establishment of new economic activities • Smaller economic burden for investors-citizens
Short description (what is it about?)	<p>Courses and seminars for civil servants working in public services that are assessing RES projects provide environmental licenses and approvals and monitor RES project implementation.</p> <p>Special attention must be given, at least, to:</p> <ul style="list-style-type: none"> • the “horizontal” codification of the existing RES legal framework and the clear definition of responsibilities per service involved, • the benefits of RES, • the description of the latest RES technologies and applications and the state/regional environmental goals and commitments
Beneficiaries	Civil servants and head of services
Responsible Entity to carry out the proposal	Public learning-training entity
Other agents involved in its development	Central or regional energy entities, universities.
Duration of the action	2012-2020
Estimated cost and funding sources	<p>Cost of 1 module for the provider including overhead: 600 EUR per region. A total of 16.000 € along the period</p> <p>Funding source: project funding, participant fee</p> <p>Financing from European funding (European Social Fund)</p>
Other remarkable aspects	<ul style="list-style-type: none"> • Participation must be obligatory for all officials involved • Learning process by using web tools • Participant price for 1 module with tax: 50 – 750 EUR • Training material available

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	



PROPOSAL A1.3	Training for local / regional decision makers-politicians
Action line	A1: Knowledge and education/training P1: Reduce bureaucracy
Objectives	<ul style="list-style-type: none"> • Improve awareness, capacity and knowledge • Targeted strategies and policies • Achieving environmental, energy, development targets
Short description (what is it about?)	<p>Courses and seminars for policy makers in all level of public governance (central, regional, local)</p> <p>Special attention must be given, at least, to:</p> <ul style="list-style-type: none"> • the impacts of climate change • the economic, environmental, development and other benefits of RES, • the state/regional environmental goals and commitments
Beneficiaries	Decision and policy makers and politicians
Responsible Entity to carry out the proposal	Public learning entity
Other agents involved in its development	<ul style="list-style-type: none"> • Central or regional energy entities, universities. • Unions of regions and municipalities
Duration of the action	2012-2020
Estimated cost and funding sources	<p>Cost of 1 module for the provider including overhead: 600 EUR per region. A total of 16.000 € along the period</p> <p>Funding source: project funding, participant fee</p> <p>Financing from European funding (European Social Fund)</p>
Other remarkable aspects	<ul style="list-style-type: none"> • Participant price for 1 module with tax: 50 – 750 EUR • Participation must be obligatory • Learning process by using web tools • Training material available

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	



PROPOSAL A1.4	Creation of Post-graduate stipendiary's for creating Business Plans for start-ups or liaison officers in enterprises
Action line	A1: Knowledge and education/training
Objectives	<ul style="list-style-type: none"> • To strain the importance of post-graduates for innovation and entrepreneurship. • To focus on Open Innovation and Development instead of focusing on Research. • To create spin-offs from Universities and support established companies. • To facilitate an environment in which recently graduated researchers who are most motivated for change are able to implement innovation, without experiencing the barriers of having to be concerned about creating a living
Short description (what is it about?)	After graduation there has been a tradition for either trying to find a regular job in the line of study or going into a post-graduate stipendiary to achieve more research skills. Instead of focusing on research or operational work we want to exploit new innovative creative young graduates for the technology transfer between research and enterprises. They may choose a post-graduate scholarship as an entrepreneur by making a detailed technical and commercial business plan. This business plan may after the scholarship be effectuated by starting a new production or be implemented in an existing production. The scholarship will end with an official presentation, ceremony and diploma in the University tradition.
Beneficiaries	<ul style="list-style-type: none"> • Post-graduates • New entrepreneurs
Responsible Entity to carry out the proposal	<ul style="list-style-type: none"> • Universities • Technological institutes
Other agents involved in its development	Regional Energy Agencies
Duration of the action	2012-2020
Estimated cost and funding sources	Existing sources should be opened for more busyness oriented post-graduates
Other remarkable aspects	Support of entrepreneurship

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	



PROPOSAL A1.5	Making professionals in construction change agents through vocational training for professionals
Action line	A1: Knowledge and education/training
Objectives	<ul style="list-style-type: none"> To increase the demands for RES-solutions among private customers To improve the abilities and motivation of construction professionals to implement RES solutions To improve awareness of the cost-effectiveness of RES-solution to the general public
Short description (what is it about?)	<p>The success of the RES energy plan on Samsø was not created by implementing revolutionary new technologies, but through implementing existing technologies. Professionals in SMEs were qualified and motivated to sell and construct RES-solutions for private and public customers and thereby act as change-agents for RES.</p> <p>The key to success for increasing demand for RES among the general public and private households is the attitude of their local constructing companies towards RES solutions. Most consumers do not have a clue to the cost-effectiveness and technical qualities of RES technologies</p> <p>One of the most effective means of influencing the attitudes of professionals is through vocational training. Their ability to learn-by-doing while exchanging opinions and experiences with colleagues and fellow construction-workers is a main source of change in the construction sector</p>
Beneficiaries	SMEs
Responsible Entity to carry out the proposal	<ul style="list-style-type: none"> ITC, REAC, FORTH as members of the network INNOVA SEA to get in contact with local intermediary / REAC
Other agents involved in its development	<ul style="list-style-type: none"> Organisations of constructing companies Institutions for vocational training
Duration of the action	2012-2020
Estimated cost and funding sources	<p>Cost of 1 module for the provider including overhead: 600 EUR per region. A total of 16.000 € along the period</p> <p>Existing sources for financing vocational can be targeting towards RES: The participant fee.</p>
Other remarkable aspects	<p>Traditional SMEs as a source for innovation</p> <p>Participant price for 1 module with tax: 50 – 750 EUR</p>

 <p>INRES FP7-229947</p>	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	



PROPOSAL A1.6	Exchange of e-learning courses
Action line	A1. Knowledge and education/training
Objectives	Exchange of e-learning courses based on open-source community-based tools for learning such as Moodle.
Short description (what is it about?)	<p>The idea is to exchange specific e-learning courses for RES at different levels:</p> <ul style="list-style-type: none"> • Installers • High University level • Researchers <p>This will facilitate also exchange staff actions</p>
Beneficiaries	<ul style="list-style-type: none"> • Installers • Designers • Engineers • Companies • Researchers of RES technologies.
Responsible Entity to carry out the proposal	<ul style="list-style-type: none"> • University
Other agents involved in its development	<ul style="list-style-type: none"> • Research partners in the INRES region • Other universities in the INRES region
Duration of the action	2014-2018
Estimated cost and funding sources	70.000 € a year
Other remarkable aspects	This idea could be linked with the Renewable Energy Master already taking place in the Canary Islands (University of La Laguna) and other training courses for installers in RICAM Cluster and Companies

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	



PROPOSAL A2.1	Green Solstice
Action line	A2: Organization of thematic workshops
Objectives	To keep a living flame of discussion between the different stakeholders of the Renewable Energy sector on June 21st
Short description (what is it about?)	<p>The reason for using such a signaled date coincident with the Summer Solstice (June, 21st) is that this is a representative date for most of the renewable energy sources. This date shall be recognized within the regional sector as the day for renewables.</p> <p>The Green Solstice event will include:</p> <ul style="list-style-type: none"> • Conference and discussion workshop with participation of industrial players, researchers, politicians and other energy actors • Leaflet and poster for dissemination • Exposition stand for private companies of the RES sector • Exhibition of RES technologies/scale models • Press release at the local and regional media for a wider diffusion <p>Being an event to be celebrated at the same time in the different INRES regions, online connection among the different workshops could be possible</p>
Beneficiaries	<ul style="list-style-type: none"> • SMES - Entrepreneurs • Public Authorities – Development Organisations • Academia • Technology Experts
Responsible Entity to carry out the proposal	Industrial players of the regions (energy clusters)
Other agents involved in its development	<ul style="list-style-type: none"> • Research partners such as ITC; FORHT or SE
Duration of the action	2013-2020 once a year
Estimated cost and funding sources	96.000 € for the 3 workshops along the whole period Financed by energy clusters, SMEs and regional authorities
Other remarkable aspects	

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	



PROPOSAL A3.1	Staff exchange
Action line	A3. Staff exchange: Inter-regional training and visits
Objectives	<ul style="list-style-type: none"> To increase energy awareness among household owners To improve energy performance of houses at a long-term level
Short description (what is it about?)	Staff from one partner visits another partner to participate in the daily work and learn. In this way, the visitor participates in the local awareness work and gives presentations to the hosting organization and its clients about selected topics. Furthermore, host and visitor take the opportunity to work together planning and developing a marketing strategy, i.e. producing awareness material and press releases. Both parts can exchange teaching material deciding whether to translate into national languages.
Beneficiaries	<ul style="list-style-type: none"> Property market: home buyers and developers Energy agencies, regional/local energy councils SME employees Universities and research organisations
Responsible Entity to carry out the proposal	ITC
Other agents involved in its development	<ul style="list-style-type: none"> FORTH INNOVA SE BS Energy agencies
Duration of the action	2012-2016
Estimated cost and funding sources	<ul style="list-style-type: none"> 3 staff exchanges among the three regions every year. 120.000 € along the period proposed There are financing programs that support staff exchange. Some of these may be for universities exclusively
Other remarkable aspects	This proposal is for a broader target group

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	

PROPOSAL A4.1	Common marketing strategy
Action line	A4: Common marketing strategy both external and internal
Objectives	<ul style="list-style-type: none"> • Effective promotion of technologies • More tourist / visitors • To get students for courses
Short description (what is it about?)	<ul style="list-style-type: none"> • Internal marketing: approach regional actors. • External marketing: islands as living labs, energy tourism, “friendship” islands. • Create a common marketing plan / strategy. • Include marketing experts.
Beneficiaries	<ul style="list-style-type: none"> • Energy agencies • Tourist offices • Constructors • Local authorities • Students or course participants
Responsible Entity to carry out the proposal	<ul style="list-style-type: none"> • Research partner • Industrial partner provides input • Public partner provides customers • A public relations (PR) company in collaboration with the PR offices of the partners
Other agents involved in its development	<ul style="list-style-type: none"> • Local authorities • Chambers, development agencies • Tourist offices • Tourism organisations • Ministries and local authorities • Companies that wish to visit the islands with their employees (team building, exchange visits)
Duration of the action	2013-2020
Estimated cost and funding sources	Costs could be covered by private funding, i.e. participants, organizations, local authorities, sponsors etc.
Other remarkable aspects	It could be interesting for students or course participants to include a visit to one of the other islands as part of a course.

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	

PROPOSAL A5.1	Getting more local and regional authorities to sign the Pact of Islands and the Covenant of Mayors
Action line	A5. Awareness activities to develop a responsible society
Objectives	<p>To use the economic, political and juridical resources of local and regional authorities to stimulate the implementation of RES solutions.</p> <p>To use networking nationally and internationally among local actors to focus on climate change and the potential and positive effects environmentally and economically of the implementation of RES solutions.</p> <p>To exceed the goals set by the EU 20-20-20 plan for reduction CO2 and implementation of RES technologies.</p>
Short description (what is it about?)	All three partners have signed the Covenant of Mayors and Pact of Islands, but other islands and local authorities with which the three partners cooperate have not signed any of these agreements. Through networking and official approaches the partners might pursue the signing of the agreement by more local authorities. Best practices are to be highlighted, experience and know how is to be transferred and future benefits for the islands participating in this initiative are to be explained and underlined.
Beneficiaries	Local and regional authorities
Responsible Entity to carry out the proposal	Public authorities
Other agents involved in its development	<ul style="list-style-type: none"> • Association of Local Authorities • Clusters of businesses • Educational institutes • R & D institutes • Regional Energy Agencies
Duration of the action	2012-2020
Estimated cost and funding sources	None
Other remarkable aspects	Solid framework for energy and climate benchmarking policies and activities. Possible new instruments for co-financing.

 INRES FP7-229947	Deliverable 4.2		 CAPACITIES
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	




6. Workplan

The different priorities identified and the corresponding action lines, will integrate the proposals selected for this JAP. As it results from the previous detailed proposals, most of them are interrelated. Awareness activities are identified as the common vertical actions needed for the success of all priorities, providing the visibility of the results and encouraging the whole community to participate in the different action lines proposed.




Networking comes out as the best way of exchanging knowledge, actualizing information and keeping the different agents involved in the RES sector in permanent contact for stepping forward at a parallel speed to achieve the proposed goals.


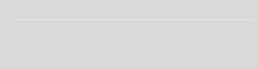





The guide chart below summarizes who is the responsible to lead the different action lines proposed, the time it will take and the estimated cost for all lines as well as possible funding sources identified (Annex 1 shows a list of concrete financial sources).



Colors identify the kind of agent **responsible for the action** lines as follows:

- Green: *regional authorities* 
- Orange: *research institutions* 
- Cyan: *industrial players* 

Possible **funding sources** are identified with different colors representing:

- Yellow: *regional funding* 
- Red: *national funding* 
- Grey: *EU programmes* 



Priority (P)	Policies addressing legal and financial incentives to encourage RES solutions in islands			
Actions line	Responsible	Duration	Cost	Funding
P1. Alignment of policies		2012-2014	30.000 €	
P2. Reduce bureaucracy		2012-2016	n.a.	
P3. Support the demand for RES		2014-2020	n.a.	
P4. Green / blue economy, sustainable development		2012-2020	35.000 €	
P5. Use / exploitation of existing networks		2012-2020	n.a.	

 INRES FP7-229947	Deliverable 4.2		 CAPACITIES	
	Month - Year: March- 2012			Cod: INRES-Deliverable 4.2
				Ver: 1.0

Priority (T)	Measures to encourage R&D+I for advanced technological RES solutions in islands					
Actions line	Responsible	Duration	Cost	Funding		
T1. Technical support to companies			2012-2020	210.000€		
T2. Developing of prototypes/pilot installations			2012-2013	20.000 €		
T3. Call for ideas for achieving 100% RES			2012-2020	50.000 €		
T4. Networking in RES technologies and experts			2012-2020	330.000€		
T5. Support to IPR management				2014-2020	450.000 €	
T6. Sharing of better exploitation of research infrastructures			2012-2015	50.000 €		
T7. Energy consulting for individuals			2012-2020	960.000 €		
Priority (A)	Community awareness and capability activities					
Actions line	Responsible	Duration	Cost	Funding		
A1. Knowledge and education/training				2012-2020	344.000 €	
A2. Organization of thematic workshops			2013-2020	96.000 €		
A3. Staff exchange			2012-2016	120.000 €		
A4. Common marketing strategy			2013-2020	n.a.		
A5. Awareness activities to develop a responsible society			2012-2020	n.a.		

6.1 Monitoring and evaluation of the JAP

The monitoring aims at verifying that the activities planned and expected results set to the actions are met and the funds correctly used. A committee integrated by INRES public authorities (REAC, ACIISI and SEA) with the support of the research players (ITC, FORTH and SE) will be in charge of JAP implementation and its monitoring. The committee will follow the level of execution of the JAP through the elaboration on a biannual basis of a progress report showing the outputs and results of the actions undertaken, provided the necessary resources are available. In 2016, in the middle of the period of

 INRES FP7-229947	Deliverable 4.2		 CAPACITIES
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	



validity of the JAP, a deeper review will be done, taking into consideration not only the results achieved but also the surrounding conditions, such as economic or social changes that could affect the progress of the Plan. This review could affect also the objectives proposed and new action lines could be introduced for better fitting the situation at the time. It is a long term plan which requires some effort, and some of the mentioned organizations will have to look for funding in order to perform the work. It is therefore not a binding commitment, but an intention to do the work on behalf of the organizations involved.

The objective of the evaluation is assessing net effects or unintended results with respect to the goals assigned as well as underlying mechanisms. For a better evaluation of the Plan, this should be done by an independent evaluator. The Cluster RICAM (cluster on renewable energies, environment and hydraulic resources of the Canary Islands) has been collaborating with the INRES partners from the beginning of the project, participating in the different workshops, in the staff exchange activities and also assessing about actions to be included or perspectives to consider in the elaboration of the JAP. RICAM can act as the independent evaluator needed, as it better knows the objectives established and the aims of the INRES regions for a wider implementation of RES technologies.



Monitoring and evaluation feed each other. Monitoring indicators and analyses provide part of the empirical basis for evaluation; and evaluations may raise the need for improved monitoring indicators (to capture new elements, e.g. the depth of partnerships involved in collective actions).

When trying to establish a monitoring and evaluation basis for the performance of the Plan, there are some indicators linked to the actions proposed. Even if a direct causal link between action and regional development trajectory in implementing RES is difficult to establish, such a tool provides useful information on intermediate results of the JAP.

Objectives	Expected results		
Priority (P)	Policies addressing legal and financial incentives to encourage RES solutions in islands		
Programme Aims	Outputs	Results	Longer-Term effects
P1. Alignment of policies	Common representation of islands	More focus on the problems of periphery island regions in EU-policies	EU as an advocate for island-protection against national authorities
P2. Reduce bureaucracy	More press releases on specific RES-projects	Reduce lead time in processing proposals	Raising RES awareness Objectives of 20-20-20 may be reached sooner
P3. Support the demand for RES	implementation of regulation for Net metering subsidies special tariffs bioclimatic rules	Increased demand for RES products	Increased local employment and investment in the RES-production

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012		
	Cod: INRES-Deliverable 4.2		
		Ver: 1.0	

P4. Green / blue economy, sustainable development	Training to companies on how to provide a broad range of comprehensive services in the energy field	Introduction of new knowledge and skills among local companies, offering the possibility to enlarge and diversify the service offer	Creation of a network of ESCO-like companies in the regions. Continuous awareness raising on energy efficiency aspects. Growth of start-up companies operating as ESCO-like companies.
P5. Use / exploitation of existing networks	Advisory services on internationalization	Technological, commercial and research agreement	Internationalization and cooperation among enterprises
Priority (T)	Measures to encourage R&D+I for advanced technological RES solutions in islands		
Programme Aims	Outputs	Results	Longer-Term effects
T1. Technical support to companies	Webplatforms with reference installation data	Gain knowledge on real operation and maintenance data	Improve the quality of RES installation and confidence of end users
T2. Developing of prototypes/pilot installations	Study of reference solutions	Development of new technologies and products	Promotion of collaboration and creation of new products and services
T3. Call for ideas for achieving 100% RES	One call per year in each region	New ideas for 100% RES	Creation of awareness Promotion of entrepreneurship and innovation
T4. Networking in RES technologies and experts	Creation of GIS based RE observatory	Collection of all RES data and resources of the 3 regions	Improve networking of RES among de 3 regions
T5. Support to IPR management	Development and new products	New patents	Awareness regarding IPR management and protection. Technological upgrading of companies.
T6. Sharing of better exploitation of research infrastructures	Testing of new research developments	New technological developments	Better use of existing infrastructures for further research initiatives. Exchange of knowledge among regions
T7. Energy consulting for individuals	Advisory Services 2% energy savings in houses and hotels per year	2% energy savings per year per household/building	Improved energy awareness

 INRES FP7-229947	Deliverable 4.2		 CAPACITIES
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	

Priority (A)	Community awareness and capability activities		
Programme Aims	Outputs	Results	Longer-Term effects
A1. Knowledge and education/training	Training programs	Increased know-how and sales of RES-technology in SMEs	Increased use of RES technology in private households and SMEs
A2. Organization of thematic workshops	Media impact Visitors	Increasing knowledge on RE in the population	Friendly approach to RE Acceptance in terms of environmental awareness and RE responsible management
A3. Staff exchange	1 man week per work place per year	Improved technical competencies of staff increase effectiveness of in-house R&D	Permanent support relations
A4. Common marketing strategy	Friendship" islands	More tourists Common needs effectively covered Common strategizing context	Improved economy Improved reputation
A5. Awareness activities to develop a responsible society	To establish a contest on best cases RES	press releases Removal of nontechnical barriers	To go over the consumers mistrust to renewable technologies

The monitoring of the JAP has to be done by the Committee in charge indicating outputs and results every 2 years. For the evaluation, the external evaluator in charge should make a study every 2 years reporting deviations from expected results. If great deviation were detected, the Evaluator and/or Committee should recommend a revision of the objectives and outputs of the JAP.



7. Financial sources

7.1 Financing Projects

Projects can be financed in different ways and often a mixture of different financing instruments will be used. The listing below is a very brief guiding note to be used when considering how to finance projects. These funding opportunities are listed in the sections below.

Equity

Business Angels: Start-up support could be provided by entrepreneurs with enough capital to fund initial product development and sales so that the company can later raise additional capital through other sources. In general business angels are wealthy individuals, often with considerable business background and industry expertise, who allocate some of their resources

 INRES FP7-229947	Deliverable 4.2		 CAPACITIES
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	

to invest knowledge and seed money in new ventures. During a company's seed phase, business angels are often the only source of external financing for a project.

Provide capital from shareholders: Projects might provide capital by establishment of a shareholder company. The shareholders might acquire certain company rights which can range from controlling and participating rights to a share of profits. Partners usually require a share of equity of at least 20 to 30 percent. In most cases, start-ups have to rely solely on financing through equity.

Venture Capital: It's often required for the financing of high-tech, high-risk projects. VC is provided by VC companies who manage funds from private, institutional, and/or public investors. VC participation is limited to a specified period of time, at the end of which the VCs "cash out" by selling their shares and realizing profit at a margin of between twenty to thirty percent.

Private Equity: This is privately traded capital provided by private equity companies financed by institutional funds (e.g. pension funds) and private investor. Like venture capital companies, private equity companies provide funding to a company for a fixed period (usually three to seven years). The participation of a private equity firm is often concluded by a trade sale (i.e. the selling of shares to another company).



Loan

Investment Loans: This is the main debt financing instrument for a project. The loan duration could be seven years with a one year repayment holiday (1+6); the usual maximum period is in some countries ten years with a two year repayment holiday (2+8). Interests are usually charged on an annual or semi-annual basis. Creditors, mainly banks, always require securities against a risk of default of payment.

Working Capital Loans: Including overdraft facilities provide liquidity for day-to-day business activities. They finance the stock of goods and reserve stock, payment deadlines, and the exploitation of supplier discounts.

Off-balance Financing: Off-balance financing comprises financial instruments that affect only the profit and loss account of a company and not the balance sheet. This enables the company to maintain the equity ratio, avoiding a degradation of its credit rating. In return, it has to accept higher total costs in comparison to financing on-balance.

- *Leasing* is the most widespread form of off-balance financing. To qualify as off-balance financing, the financing measure must be an operating lease.

 INRES FP7-229947	Deliverable 4.2		 CAPACITIES
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	

An operating lease is usually a short-term financing instrument in which the ownership and risk stay with the lessor. The lessee pays an expense fee comprised of interest and remuneration for depreciation.

- *Factoring* is a process in which a company sells its receivables in order to immediately obtain cash for liquidity. Special financial institutions called factors provide this advanced financing at a discount. The factor secures the payment and offer protection against default by the creditor.

7.2 Funding Instruments

The actions proposed in this JAP for the achievement of the objectives established can be implemented thanks to the funding instruments of certain agents at European, national or regional level.



The European Union possesses three main funding instruments divided into three broad categories that might offer the support needed:

- **Research:** the 7th Framework Programme for Research, Technological Development and Demonstration activities and the 7th Euratom Framework Programme for Nuclear Research and Training Activities (FP7) is the EU instrument specifically targeted at supporting research and development. It provides funding to co-finance research, technological development and demonstration projects based on competitive calls and independent peer review of project proposals.
- **Innovation:** the Competitiveness and Innovation Framework Programme (CIP) aims to foster the competitiveness of European enterprises
- **Cohesion Policy:** the purpose of the Structural Funds (SF) is to strengthen economic, social and territorial cohesion by reducing disparities in the level of development among regions and Member States. Many thematic areas are supported by these Funds, including research, innovation and enterprise

The European Commission published the first edition of a Practical Guide in 2008 to provide a concise description of the main funding sources in the field of research and innovation. It explained how they can be combined in practice and provided policy makers with advice on setting up mechanisms at the national and regional levels to foster co-ordinated access to them. Since then, it has been improved, upgrading and expanding the scope of the existing Practical Guide, including the modernization of the guide as a comprehensive web-based portal on research and innovation.

At national level, the different countries in the INRES region have developed grants programmes and collaboration agreements to promote and support R+D+I to reach national objectives and priorities. At regional level, depending on the different administrative competences, there are also some key funding possibilities.

A list of very useful funding opportunities is listed in annex II. The list shows the web address and main focus subject.

 <p>INRES FP7-229947</p>	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	

8. Bibliography

DIRECTIVE 2009/28/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 23 April 2009

www.theparliament.com/

ec.europa.eu/



cordis.europa.eu/eu-funding-guide/home_en.html

www.iucn.org/europe

www.eib.org/



www.managenergy.net/

www.isle-pact.eu



 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	

Annex 1: Financial sources

EU Financing Schemes -relevant for all	
<p>LIFE+</p> <p>http://ec.europa.eu/environment/life/funding/lifeplus.htm</p> <p>http://europa.eu/legislation_summaries/agriculture/environment/l28021_en.htm</p> <p>Please see this link for eligibility criteria.</p>	<p>Main focus areas: Environmental Efficiency, nature and biodiversity, environment policy and governance, information and communication.</p> <p>Support areas: Projects that contribute to the development and implementation of environmental policy and legislation: Best practice, innovative or demonstration projects concerning the Birds or Habitats Directives or “Halting the loss of biodiversity by 2010 – and beyond”. Development of innovative policy approaches, technologies etc. Monitoring of environmental pressures. Communication and awareness raising on environmental issues.</p> <p>Potential applicants: Private or public bodies and institutions in the EU and a few non-EU countries.</p> <p>Full size of overall fund: EUR 26.5 million with at least 50% going to the area of nature and biodiversity.</p>
<p>EU Investment Fund</p> <p>http://europa.eu/institutions/financial/eif/index_en.htm</p>	<p>Main focus area: Through selected financial intermediaries, it offers small and medium sized enterprises (SMEs) a wide range of financing solutions.</p> <p>Support areas: The EIF provides venture capital for small firms (SMEs), particularly new firms and technology-oriented businesses. It also provides guarantees to financial institutions (such as banks) to cover their loans to SMEs.</p> <p>The EIF is not a lending institution: it does not grant loans or subsidies to businesses, nor does it invest directly in any firms. Instead, it works through banks and other financial intermediaries. It uses either its own funds or those entrusted to it by the EIB or the European Union. Its majority shareholder is the</p>

 <p>INRES FP7-229947</p>	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	

	<p>European Investment Bank, with which it forms the 'EIB Group'.</p> <p>Potential applicants: Projects in member states of the European Union, in Croatia, Turkey and three EFTA countries (Iceland, Liechtenstein and Norway).</p> <p>Size of grants:</p>
<p>CIP – Competitiveness and Innovation framework Programme</p> <p>http://ec.europa.eu/cip/</p> <p>CIP EIP</p> <p>http://ec.europa.eu/cip/eip/index_en.htm</p> <p>CIP ICT PSP</p> <p>http://ec.europa.eu/information_society/activities/ict_psp/index_en.htm</p>	<p>Main focus area: With small and medium-sized enterprises (SMEs) as its main target, the CIP supports innovation activities (including eco-innovation) and it promotes the increased use of renewable energies and energy efficiency including smart grid.</p> <p>Support areas: The CIP is divided into three operational programmes.</p> <p>Each programme has its specific objectives, aimed at contributing to the competitiveness of enterprises and their innovative capacity in their own areas:</p> <ul style="list-style-type: none"> • The Entrepreneurship and Innovation Programme (EIP) • The Information Communication Technologies Policy Support Programme (ICT-PSP) • The Intelligent Energy Europe Programme (IEE) (See next box) <p>Potential applicants: Mainly small and medium-sized enterprises (SMEs).</p> <p>Size of grants: The CIP runs from 2007 to 2013 with an overall budget of EUR 3.621 million.</p>
<p>CIP IEE – Intelligent Energy Europe</p> <p>http://ec.europa.eu/energy/intelligent/call_for_proposals/index_en.htm</p>	<p>Main focus area: Energy efficiency, renewable energies, energy diversification and sustainable transport.</p> <p>Support four themes or areas:</p>

 <p>INRES FP7-229947</p>	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	

http://ec.europa.eu/energy/intelligent/getting-funds/call-for-proposals/index_en.htm



- 1. Energy efficiency and rational use of energy resources (SAVE), including Industrial excellence in energy, Consumer behaviour, Energy Services:**
 - improving energy efficiency and the rational use of energy, in particular in the building and industry sectors;
 - supporting the preparation and application of legislative measures.
- 2. New and renewable energy resources (ALTENER), including Electricity from RES, Bioenergy**
 - promoting new and renewable energy sources for centralised and decentralised production of electricity, heat and cooling, and thus supporting the diversification of energy sources;
 - integrating new and renewable energy sources into the local environment and the energy systems;
 - supporting the preparation and application of legislative measures.
- 3. Energy in transport (STEER)**

Energy-efficient transport, Clean and energy-efficient vehicles



Promote energy efficiency and the use of new and renewable energies sources in transport, including

 - supporting initiatives relating to all energy aspects of transport and the diversification of fuels;
 - promoting renewable fuels and energy efficiency in transport;
 - supporting the preparation and application of legislative measures.
- 4. Integrated Initiatives**



Energy-efficient public spending initiate, local energy leadership, Mobilising local energy investment, Energy efficiency and renewable energy in buildings, Build up skills.

 <p>INRES FP7-229947</p>	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	

	<p>Integrated initiatives combes several of the specific fields referred to SAVE, ALTENER and STEER or relates to several EU priorities. They may include actions integrating energy efficiency and renewable energy sources in several sectors of the economy and/or combining various instruments, tools and actors within the same action or project.</p> <p>Potential applicants: Organisations in the EU Member States and a few other countries.</p> <p>Co-funding: The co-funding rate will be up to 75%</p> <p>Project partners required from at least 3 different eligible countries.</p> <p>Full size of overall fund: EUR 67 million</p>
<p>ELENA – European Local Energy Assistance</p> <p>http://www.eib.org/products/technical_assistance/elena/index.htm</p> <p>www.eib.org/elena</p>	<p>Main focus area: Technical Assistance for Energy efficiency and renewable energy projects</p> <p>Support areas: ELENA support covers a share of the cost for technical support that is necessary to prepare, implement and finance the investment programme, such as feasibility and market studies, structuring of programmes, business plans, energy audits, preparation for tendering procedures - in short, everything necessary to make cities' and regions' sustainable energy projects bankable.</p> <ul style="list-style-type: none"> • Public and private buildings, including social housing and street and traffic lighting, to support increased energy efficiency. • Urban transport. • Local infrastructure including smart grids and information & communication technology infrastructure. <p>Potential applicants: Local and regional authorities or other public bodies or a grouping of such bodies from countries eligible under the Intelligent Energy Europe Programme.</p>

 <p>INRES FP7-229947</p>	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	

	<p>Project partners required? No</p> <p>Size of grants: EUR 15 million managed by the EIB or Technical Assistance for investments > 50M€ (minimum leverage factor 25)</p>
<p>ELENA - KfW</p> <p>http://www.kfw.de/kfw/en/KfW_Group/About_KfW/Mission/Special_Tasks/ELENA - European Local ENergy Assistance.js</p>	<p>Main focus area: Public and private buildings, street and traffic lighting, urban transport, local infrastructure</p> <p>Support areas: joint pilot programme combining Global Loans, Carbon Crediting and Technical Assistance with the aim of mobilizing sustainable energy investments of local and regional authorities. The approach targets small and medium-sized municipalities and Energy Service Companies (ESCOs), with total investments of up to EUR 50 million, and introduces Carbon Crediting as a new form of financing.</p> <p>Potential applicants: Banks operating in EU-27, European Economic Area (EEA) and Croatia</p> <p>Project partners required No</p> <p>Size of grants: Technical Assistance for investments <50M€ (minimum leverage factor 20)</p>
<p>Seventh Framework Programme</p> <p>http://cordis.europa.eu/home_en.html</p> <p>http://www.fi.dk/tilskud/eu-og-internationale-programmer</p>	<p>Main focus area: research, education and innovation</p> <p>Support areas: Specific Programs “Cooperation”, “Ideas”, “People”, “Capacities”. The Cooperation program The specific programme on 'Cooperation' supports all types of research activities carried out by different research bodies in trans-national cooperation and aims to gain or consolidate leadership in key scientific and technology areas. The Cooperation programme is sub-divided into ten distinct themes, one of which is Energy.</p> <p>Emphasis is given to the following activities:</p>



 <p>INRES FP7-229947</p>	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	

<http://cordis.europa.eu/fp7/dc/index.cfm>



- Hydrogen and fuel cells
- Renewable electricity generation
- Renewable fuel production
- Renewables for heating and cooling
- CO2 capture and storage technologies for zero emission power generation
- Clean Coal Technologies
- Smart energy networks
- Energy efficiency and savings
- Knowledge for energy policy making

The People Specific Programme is implemented:



- 'Initial training of researchers to improve mostly young researchers' career perspectives in both public and private sectors
- 'Life-long training' to support experienced researchers in complementing or acquiring new skills and competencies or in enhancing inter/multidisciplinary and/or intersectoral mobility, in resuming a research career after a break and in (re)integrating into a longer term research position in Europe after a trans-national mobility experience.
- 'Industry-academia pathways and partnerships' to stimulate intersectoral mobility and increase knowledge sharing through joint research partnerships in longer term co-operation programmes between organisations from academia and industry, in particular SMEs and including traditional manufacturing industries.

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	



	<ul style="list-style-type: none"> - 'International dimension', to contribute to the life-long training and career development of EU-researchers, to attract research talent from outside Europe and to foster mutually beneficial research collaboration with research actors from outside Europe. - 'Specific actions' to support removing obstacles to mobility and enhancing the career perspectives of researchers in Europe. <p>The main objective of research for the Environment (including Climate change) under FP7 is to promote the sustainable management of both the man-made and the natural environment and its resources. To this end, increased knowledge on the interaction between the climate, the biosphere, ecosystems and human activities is sought and new environmentally-friendly technologies, tools and services are developed. Funded actions focus on:</p> <ul style="list-style-type: none"> • Predicting changes in climate, ecological conditions, earth and ocean systems. • Tools and technologies for monitoring, prevention and mitigation of environmental pressures and risks including health risks. • Sustainability of the natural and man-made environment. <p>Funding in this area will also improve competitiveness and strengthen the position of European industries in world markets for environmental technologies.</p> <p>The specific programme on 'Capacities' aims to enhance research and innovation capacities throughout Europe and ensure their optimal use. The Capacities programme is provided with a budget of EUR 4 097 million to operate in seven broad areas:</p> <ul style="list-style-type: none"> • Research infrastructures • Research for the benefit of SMEs
--	--

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	



	<ul style="list-style-type: none"> • Regions of knowledge and support for regional research-driven clusters • Research potential of Convergence Regions • Science in society • Support to the coherent development of research policies • International cooperation <p>Especially interesting for the INRES context are the areas ‘Research for the benefit of SMEs’, ‘Research potential of Convergence Regions’, and ‘International cooperation’.</p> <p>Potential applicants: research groups at universities or research institutes, companies intending to innovate, small or medium-sized enterprises (SMEs), SME associations or groupings, public or governmental administration (local, regional or national), early-stage researchers (postgraduate students), experienced researchers, institutions running research infrastructures of trans-national interest, organisations and researchers from third countries, international organisations, civil society organisations.</p> <p>Project partners required? Yes, organisations in the EU Member States and from associated European countries.</p> <p>Size of grants: FP7 allocates EUR 32.413 million to the Cooperation programme. The budget will be devoted to supporting cooperation between universities, industry, research centers and public authorities throughout the EU and beyond. The EU Member States, support over the duration of FP7, have earmarked a total of:</p> <ul style="list-style-type: none"> • € 1.336 million for funding research for the benefit of SMEs. • € 340 million for funding research potential of Convergence Regions. • € 180 million for funding International Cooperation.
--	--

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	



	<ul style="list-style-type: none"> • € 2,35 billion for funding the specific programme 'Energy'. • € 1,9 billion for funding the specific programme Environment (including Climate change). • € 4,7 billion for funding the specific programme 'People'.
Eurostars http://eurostars-eureka.eu/	<p>Main focus area: Market-driven projects for SMEs with research and development for a civilian purpose.</p> <p>Support area: Research and innovation. Development of new products and technology. The market-driven project must have a maximum duration of three years, and within two years of project completion, the product of the research should be ready for launch onto the market.</p> <p>Potential applicants: Small and midsize companies based in a Eurostars-country (33 European countries). The SME must invest 10% or more of full-time equivalent or annual turnover in research activities.</p> <p>Project partners required with at least two participants (legal entities) from two different Eurostars participating countries.</p> <p>Size of grants:</p>
Eco-Innovation http://ec.europa.eu/environment/eco-innovation/	<p>Main focus area: Diminishing market barriers for innovative products, services and technologies, which can contribute to an improved use of nature resources and reduce the environmental impact of Europe.</p> <p>Support areas: The cross-cutting initiative provides funding for projects in various sectors that mitigate environmental impacts or promote a more efficient use of resources. Priority areas include material recycling, buildings, the food and drink sector as well as greener business.</p> <p>Potential applicants: private company or private organization.</p> <p>Project partner: at least two European partners.</p>

 <p>INRES FP7-229947</p>	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	



	<p>Project partners required?</p> <p>Size of grants: Between 2008 and 2013 nearly EUR 200 million are available.</p>
<p>Cohesion Fund</p> <p>http://ec.europa.eu/regional_policy/funds/cf/index_en.htm</p>	<p>Main focus area: Energy efficiency, co-generation and energy management.</p> <p>Support areas: The Cohesion Fund is aimed at Member States whose Gross National Income (GNI) per inhabitant is less than 90% of the Community average. It serves to reduce their economic and social shortfall, as well as to stabilise their economy.</p> <p>Supports activities under the following categories:</p> <ul style="list-style-type: none"> • trans-European transport networks; • environment; here, Cohesion Fund can also support projects related to energy or transport, as long as they clearly present a benefit to the environment: energy efficiency, use of renewable energy, developing rail transport, supporting intermodality, strengthening public transport, etc. <p>Potential applicants: 2007-2013: Bulgaria, Cyprus, the Czech Republic, Estonia, Greece, Hungary, Latvia, Lithuania, Malta, Poland, Portugal, Romania, Slovakia and Slovenia.</p> <p>Size of grants:</p>
<p>EEPR – European Energy Programme for Recovery</p> <p>http://ec.europa.eu/energy/eepr/index_en.htm</p>	<p>Main focus area: Energy</p> <p>Support areas:</p> <ul style="list-style-type: none"> • To speed up and secure investments on infrastructure and technology projects in the energy sector. • To improve the security of supply of the Member States • To speed up the implementation of the 20/20/20 objectives for 2020

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	



	<p>Potential applicants:</p> <p>Size of grants:</p>
<p>JESSICA – Joint European Support for Sustainable Investment in City Areas</p> <p>http://www.bei.org/products/technical_assistance/jessica/index.htm</p>	<p>Main focus area: Sustainable urban development</p> <p>Support areas: JESSICA funds could be targeted specifically at projects such as:</p> <ul style="list-style-type: none"> • Urban infrastructure, including transport, water/waste water, energy, etc. • Heritage or cultural sites, for tourism or other sustainable uses • Redevelopment of brownfield sites, including site clearance and decontamination. • Office space for SMEs, IT and/or R&D sectors • University buildings, including medical, biotech and other specialised facilities • Energy efficiency improvements. <p>Potential applicants: local authorities (regions, municipalities, local financial intermediaries, energy businesses and businesses of energy services.</p> <p>Size of grants:</p>
<p>JASPERS – Joint Assistance to Support Projects in European Regions</p> <p>http://www.jaspers-europa-info.org/</p>	<p>Main focus area: Assistance for preparation of applications for the Structural and Cohesion funds.</p> <p>Support areas: Jaspers assists the 12 Central and Eastern EU Member States in the preparation of major projects to be submitted for grant financing under the Structural and Cohesion Funds. The aim is to increase the quantity and quality of projects to be sent for approval to the services of the Commission. The assistance is free of charge.</p> <p>Potential applicants: The 12 Central and Eastern EU Member States.</p> <p>Size of grants:</p>

 <p>INRES FP7-229947</p>	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	



<p>EEE-F European Energy Efficiency Facility</p> <p>http://www.managenergy.net/news/articles/74</p> <p>http://www.energimyndigheten.se/sv/Offentlig-sektor/EU-stod-till-lokala-och-regionala-energiprojekt/</p> <p>http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2010:346:0005:0010:EN:PDF</p>	<p>Main focus area: Sustainable energy at the local and regional level particularly in urban settings.</p> <p>Support areas: Energy saving, energy efficiency and renewable energy projects, particularly in urban settings.</p> <p>Energy saving measures in public and private buildings; investments in high efficient combined heat and power (CHP), including micro cogeneration and district heating/cooling networks; investment in decentralised renewable energy sources, including micro-generation; clean urban transport; the modernisation of infrastructure, such as street lighting and smart grids, as well as investment in sustainable energies with a potential for innovation and growth.</p> <p>Support is given to investment projects with a short-term remarkable effect for the economic restoration of the Union, the security for energy supply and the reduction of green house gas emissions.</p> <p>Potential applicants: Public authorities, preferably at local and regional level, and public or private companies, which are acting on behalf of those public authorities.</p> <p>Project partners required? No</p> <p>Size of grants: At least EUR 200 million. 15% hereof is for technical support. For investments between 10-50M€, average investment 15M€.</p>
<p>European Investment Bank</p> <p>www.eib.org</p>	<p>Main focus areas: Cohesion and convergence, small and medium sized enterprises (SMEs), environment, innovation, trans-european networks (TENs), energy, human capital.</p> <p>Support areas: As for “ENERGY”: Renewable energy and energy efficiency, Research, development and innovation (RDI) in energy, Security and diversification of internal supply (including trans-European energy networks), Security of external supply and economic development (Neighbour and Partner Countries)</p>

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	



	<p>Potential applicants: European public and private sector bodies and enterprises</p> <p>Full size of overall fund: -</p> <p>Type of financing instruments: Loans, Technical Assistance, Guarantees, Venture Capital and Microfinance.</p>
<p>Marguerite Fund www.margueritefund.eu</p>	<p>Main focus areas: Marguerite focuses primarily on developing greenfield infrastructure within its Core Sectors of Transport, Energy and Renewables in the 27 EU member countries.</p> <p>Support areas:</p> <p>Energy: In particular Trans-European energy networks (TEN-E) such as:</p> <ul style="list-style-type: none"> • Electricity & gas transportation, interconnection, storage and infrastructure (oil & gas storage, pipelines and related facilities and high voltage transmission) • Electricity & gas distribution • Electricity/gas/oil production • Carbon capture & storage <p>Renewables: Such as:</p> <ul style="list-style-type: none"> • Sustainable energy production • Clean transport infrastructure • Energy distribution and systems for hybrid transport • Wind, solar, geothermal • Biomass, biogas, hydro • Waste-to-energy projects

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	



	<p>Potential applicants: Marguerite is a unique concept which seeks to bring together public and private resources, allowing for public investors to join forces with private sector investors making a significant contribution to infrastructure investment and acting as a catalyst for further investments in the sector at difficult economic times</p> <p>Full size of overall fund: A First Close was completed on March 3, 2010 with additional investors, which has brought commitments to over EUR 700 million. Fundraising with other institutional investors, both private and public, continues with a EUR 1,5 billion target fund size and a final close expected by end 2011.</p> <p>The Fund's investments will focus on projects whose estimated costs are in excess of EUR 200 million for projects in the Transport and Energy Sectors and of EUR 50 million for Renewable projects.</p>
<p>ERDF - European Regional Development Fond</p> <p>http://ec.europa.eu/regional_policy/funds/feder/index_en.htm</p>	<p>Main focus area: The ERDF aims to strengthen economic and social cohesion in the European Union by correcting imbalances between its regions.</p> <p>Support areas: ERDF finances:</p> <ul style="list-style-type: none"> • direct aid to investments in companies (in particular SMEs) to create sustainable jobs; • infrastructures linked notably to research and innovation, telecommunications, environment, energy and transport; • financial instruments (capital risk funds, local development funds, etc.) to support regional and local development and to foster cooperation between towns and regions; • technical assistance measures. <p>Potential applicants:</p> <p>Size of grants:</p>

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	



<p>ENPI – European Neighbourhood and Partnership Instrument</p> <p>http://europa.eu/legislation_summaries/external_relations/relations_with_third_countries/eastern_europe_and_central_asia/r17101_en.htm</p>	<p>Main focus area: Promoting good governance and equitable social and economic development process.</p> <p>Support areas: The financial instrument for European neighbourhood policy (ENP). Supports political, economic and social reforms as well as sectoral cooperation within environment, sustainable development, energy, transport, telecommunications, health, food security, education and training, research and innovation.</p> <p>Potential applicants: ENP partner countries including Russia. Decentralised institutions, international and regional organisations, IFIs and non-governmental players.</p> <p>Size of grants: Euro 11.181 million for the period 2007-2013.</p>
<p>Cross-border co-operation Programmes</p> <p>http://ec.europa.eu/regional_policy/cooperation/crossborder/index_en.htm</p>	<p>Main focus area: The European Territorial Co-operation objective is financed by the European Regional Development Fund (ERDF) and supports cross-border co-operation programmes.</p> <p>Support areas: Cross-border cooperation is essentially about "filling the gaps". It does so through agreed cross-border 'analysis and response' strategies, formulated in each of the 52 cross-border programmes. It deals with a wide range of issues, which include:</p> <ul style="list-style-type: none"> • Encouraging entrepreneurship, especially the development of SMEs, tourism, culture and cross-border trade; • Improving joint management of natural resources; • Supporting links between urban and rural areas; • Improving access to transport and communication networks; • Developing joint use of infrastructure;

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	



	<ul style="list-style-type: none"> • Administrative, employment and equal opportunities work. <p>Whether the challenge relates to infrastructure (building bridges), to markets and services (linking universities to business to clients) or to cultural or linguistic barriers, cross-border co-operation is intended to address them.</p> <p>Potential applicants: Projects along internal EU borders</p> <p>Size of grants: ERDF contribution: EUR 5,6 billion.</p>
<p>Transnational co-operation Programmes</p> <p>http://ec.europa.eu/regional_policy/cooperation/transnational/index_en.htm</p>	<p>Main focus area: The European Territorial Co-operation objective is financed by the European Regional Development Fund (ERDF) and supports transnational co-operation programmes.</p> <p>Support areas: The transnational programmes add an important extra European dimension to regional development on matters such as communication corridors, flood management, international business and research linkages, and the development of more viable and sustainable markets. Themes covered include:</p> <ul style="list-style-type: none"> • Innovation, especially networks of universities, research institutions, SMEs; • Environment, especially water resources, rivers, lakes, sea; • Accessibility, including telecommunications, and in particular the completion of networks; • Sustainable urban development, especially polycentric development. <p>There are currently 13 transnational co-operation programmes.</p> <p>Potential applicants: Regions from several EU Member States (please see map on the homepage).</p> <p>Size of grants: ERDF contribution: EUR 1,8 billion.</p>

 <p>INRES FP7-229947</p>	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	



<p>Interregional cooperation programmes</p> <p>Interreg IV C and 3 networking programmes: Urbact II, Interact II and ESPON</p> <p>http://ec.europa.eu/regional_policy/cooperation/interregional/index_en.htm</p>	<p>Main focus area: The European Territorial Co-operation objective is financed by the European Regional Development Fund (ERDF) and supports interregional co-operation programmes.</p> <p>Support areas: It builds networks to develop good practice and facilitate the exchange and transfer of experience by successful regions. It showcases what regions do well, to the benefit of those still investing.</p> <ul style="list-style-type: none"> • Intereg IV C supports innovation and the knowledge economy, and environment and risk prevention. • Urbact II supports thematic networks and working groups between cities, conferences and the development of tools. • ESPON - European Spatial Planning Observation Network provides scientific information for the development of regions and larger territories. • Interact II provides training, services and tools to programme managers and administrators of co-operation programmes. <p>Potential applicants: INTERREG IVC and the 3 networking programmes (Urbact II, Interact II and ESPON) cover all 27 Member States of the EU.</p> <p>Project partners required?</p> <p>Size of grants: ERDF contribution: EUR 445 million.</p>
<p>NER 300</p> <p>www.ner300.com</p>	<p>Main focus area: Innovative pilot renewable energy and carbon sequestration projects</p> <p>Support areas: NER300 money will be paid out to renewable energy installations as they produce energy, supplementing whatever other support they might benefit from, like green certificates or feed-in tariffs. The justification for the additional subsidy is that it will hasten the deployment of new technology and that</p>

 <p>INRES FP7-229947</p>	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	



	<p>it will ensure that knowledge about the functioning of this new technology is put in the public domain.</p> <p>Potential applicants: A legal entity based in a member-state Project Project partners required? No</p> <p>Size of grants: Large pilot projects</p>
<p>Trans-European transport and energy networks</p> <p>http://euroalert.net/en/ueprogrammes.aspx?idp=569</p>	<p>Main focus area: Projects of common interest in the field of transport or of energy.</p> <p>Support areas:</p> <ul style="list-style-type: none"> • Ensure mobility of persons and goods • Offer users high-quality infrastructures • Combine all modes of transport. • Allow the optimal use of existing capacities. • Be interoperable in all its components. • Cover the whole territory of the Community. • Allow for its extension to the EFTA Member States, countries of Central and Eastern Europe and the Mediterranean countries. <p>Potential applicants: Any legal organisation in the EU.</p> <p>Size of grants: € 8.168 million.</p>
<p>Horizon 2020 - the framework Programme for Research and Innovation</p>	<p>Main focus area: Research and innovation objectives of the Europe 2020 strategy.</p> <p>Support areas: This is a new, integrated funding system starting up in 2014. It will cover all research and innovation funding currently provided through the Framework Programme for Research and Technical Development, the Competitiveness and Innovation Framework Programme (CIP) and the European</p>

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	



http://europa.eu/rapid/pressReleasesAction.do?reference=MEMO/11/435	<p>Institute of Innovation and Technology (EIT). These different types of funding will be brought together in a coherent and flexible manner. Research and innovation funding will focus clearly on addressing global challenges.</p> <p>Potential applicants:</p> <p>Size of grants:</p>
<p>FOR GENERAL INFORMATION:</p> <p>Please see this overview of EU funding for additional information: http://ec.europa.eu/climateaction/grants_funding/index_en.htm</p>	
<p>Other international Funding Institutions:</p> <p>IFI's as EBRD, WB/IFC, WB/GEF</p>	

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	

Mediterranean Financing Schemes	
<p>MED OPERATIONAL PROGRAMME 2007-2013</p> <p>http://www.programmemed.eu/</p>	<p>Main focus area: Innovation, good governance, protection of environment, natural risk prevention.</p> <p>Support areas:</p> <ul style="list-style-type: none"> • Strengthening innovation capacities • Environmental protection and promotion of a sustainable territorial development (including promoting renewable energies and energy efficiency improvement) • Improvement of mobility and of territorial accessibility • Promotion of a polycentric and integrated development of the Med space <p>Potential applicants: local authorities; municipal cooperation structures; regional authorities; agencies and institutes; enterprises and group of enterprises; financial institutions; development agencies; universities e.t.c.</p> <p>Project partners required Yes</p> <p>Size of grants: € 250 million</p>
<p>MEDITERRANEAN SEA BASIN PROGRAMME 2007-2013 (ENPI CBC)</p> <p>http://www.enpicbmed.eu/</p>	<p>Main focus area: socio-economic development, environmental sustainability, mobility of persons, goods and capitals, cultural dialogue and local governance.</p> <p>Support areas: innovation and research, economic clusters, territorial planning, natural common heritage, renewable energy use and improvement of energy efficiency, cultural, social and economic enrichment, circulation of goods and capitals among the territories, mobility, exchanges, training and professionalism of young people, artistic creativity, governance processes at local level</p>



 INRES FP7-229947	Deliverable 4.2		 CAPACITIES
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	

	<p>Potential applicants: Public bodies and local, regional and national authorities; Universities and research centres; Non-governmental organisations and those representing economic and social interests; Associations and federations; Companies and other private organisations.</p> <p>Project partners required Yes</p> <p>Size of grants: € 173 million</p>
--	--



 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	

Financing schemes relevant only for: Spain



<p>Institute for Energy Diversification and Saving (IDAE): http://www.idae.es</p>	<p>Main focus areas: The objectives that mark the 2005-2012 Action Plan Strategy and Efficiency Savings for Spain and the Renewable Energy Plan 2005-2010, are the two major frameworks that guide institutional activities.</p> <p>Support areas: Aid program to strategic-Call. Program Voluntary Agreements with companies in the field of biomass heat in buildings (Biomcasa). GEOTCASA program. Financing of geothermal installations in buildings equipped companies. SOLCASA program. Financing solar thermal systems in buildings to authorized companies.</p> <p>Potential applicants: companies, municipalities and autonomous communities.</p> <p>Full size of overall fund: 248 million Euros. (PAE-E4 energy efficiency in 2010). 28 million Euros (renewable in 2010).</p>
<p>National Plan for R&D and Innovation, strategic action on energy and climate change www.micinn.es/portal/site/MICINN/me_nuitem.</p>	<p>Main focus area: Develop technologies to achieve improvements in energy efficiency, reduce energy consumption and mitigate, anticipate and adapt to climate change.</p> <p>Support areas: Energy and Climate Change for the final clean energy production and energy efficiency, with special emphasis in transportation and building.</p> <p>Supports business projects with public-private financing, to develop technologies for improvements in energy efficiency, reduce energy consumption and mitigate, anticipate and adapt to climate change.</p>

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	



	<p>Potential applicants: Public institutions (especially R&D centres and universities) and private companies</p> <p>Project partners required Yes</p> <p>Size of grants:</p>
<p>MOVELE Program</p> <p>www.idae.es</p>	<p>Main focus area: Aims to contribute to the gradual replacement of current vehicles by electric vehicles (EVs), more energy efficient and environmentally friendly.</p> <p>Support areas: Support for Electric Mobility in cities; support the development of recharging infrastructure; marketing plan in EV fleets; Collaboration in the development of policy and legislative measures for the promotion of EV in Spain.</p> <p>Potential applicants: Private companies, public institutions</p> <p>Project partners required Yes</p> <p>Size of grants:</p>
<p>Support program for strategic projects</p> <p>www.idae.es</p>	<p>Main focus area: Aid program for strategic investment projects in energy conservation and efficiency.</p> <p>Support areas: It supports investment projects in energy conservation and efficiency. The Call continues the 2011 made in 2008, 2009 and 2010, sharing its objectives: improve, enhance and complement the resources that are being delivered to market through the Autonomous Communities.</p> <p>Potential applicants: Private companies, public institutions</p> <p>Project partners required No</p> <p>Size of grants:</p>

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	

GEOTCASA program. www.idae.es	<p>Main focus area: Geothermal installations in buildings.</p> <p>Support areas: This program aims to establish a funding system tailored to the needs of users of hot water and cooling buildings using geothermal energy.</p> <p>Potential applicants: Private companies, public institutions</p> <p>Project partners required No</p> <p>Size of grants: 3.000.000 € total available funding</p>
SOLCASA program www.idae.es	<p>Main focus area: Solar thermal installations in buildings.</p> <p>Support areas: Program aims to establish a funding system tailored to the needs of users of hot water and air conditioning in buildings, using solar energy.</p> <p>Potential applicants: Private companies, public institutions</p> <p>Project partners required No</p> <p>Size of grants: 5.000.000 € total available funding</p>
Biomcasa program www.idae.es	<p>Main focus area: Thermal biomass in buildings</p> <p>Support areas: Program aims to establish a funding system tailored to the needs of users of hot water and air conditioning in buildings using biomass.</p> <p>Potential applicants: Private companies, public institutions</p> <p>Project partners required No</p> <p>Size of grants: 5.000.000 € total available funding</p>



 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	

<p>GIT program</p> <p>www.idae.es</p>	<p>Main focus area: Financing Large thermal Installations from renewable sources in buildings.</p> <p>Support areas: The release of this funding program responds to the need to promote the implementation of major facilities thermal energy production in buildings, that make use of renewable biomass, solar thermal and geothermal.</p> <p>This new program is aimed at projects that, by its size and complexity, were beyond the limits set in the call for programs BIOMCASA, GEOTCASA SOLCASA and establishing a system of financing major facilities in these areas adapted to the needs of users of hot water and air conditioning in buildings.</p> <p>Potential applicants: Private companies, public institutions</p> <p>Project partners required No</p> <p>Size of grants:</p>
---	---



 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	

Financing schemes relevant only for: **Canaries, Spain**

<p>Canary Islands Agency for Research, Innovation and Information society (Agencia Canaria de Investigación, Innovación y Sociedad de la Información (ACIISI)) http://agencia.itccanarias.org/es/ayudas/index.jsp</p>	<p>Main focus area: Grants for activities to promote the implementation, development and adaptation of new technology in the generation or substantial improvement of products or processes, and to carry out business innovation projects.</p> <p>Support areas: Business Development Pilot Project, meaning the acquisition, combination, configuration and use of existing knowledge and techniques, scientific, technological, business or otherwise, with a view to developing plans and arrangements or designs for products, processes or services, modified or improved. May include, for example, other activities of the conceptual definition, planning and documentation of new products, processes and services.</p> <p>Potential applicants: Private companies</p> <p>Project partners required No</p> <p>Size of grants:</p>
<p>Transnational Cooperation Programme Madeira-Açores-Canary Islands (PCT MAC 2007-2013) www.pct-mac.org/</p>	<p>Main focus area: Environmental management and risk prevention, with emphasis on improving efficiency in the management of natural resources, mainly those related to water resources, waste and energy. Promotes cooperation measures to encourage rational and efficient use of energy resources, energy diversification and improving the performance of renewable energy. Aims at the promotion of efficient production and use of renewable energy.</p> <p>Support areas: Pilot experience between the three Outermost regions of Madeira-Azores-Canary Islands,</p>

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	

	<p>of the MAC Programme. The cooperation space of the Transnational Cooperation Programme Madeira-Canary Islands-Azores (MAC 2007-2013) covers the Autonomous Regions of Azores and Madeira and the Canary Islands.</p> <p>The European Commission has evaluated the usefulness and effectiveness based on the experience of the programming period 2000-2006 and has decided to hold the space for cooperation with the same geographical area, being an area that has proven to be sufficiently coherent and continues to have interests and common opportunities that may develop in the period 2007-2013.</p> <p>Potential applicants: Institutions from the three archipelagos of Azores, Madeira and the Canary Islands</p> <p>Project partners required At least two partners from two of the three participating regions</p> <p>Size of grants: 100.000 € - 800.000 €</p>
--	--

 <p>INRES FP7-229947</p>	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	

Financing schemes relevant only for: Greece

Law 3908/2011 Aid for Private Investment to promote Economic Growth, Entrepreneurship and Regional Cohesion, Ministry for Regional Development and Competiveness

http://www.investingreece.gov.gr/files/Pdf/Investment_Incentives_Law.pdf

Main focus area: entrepreneurship, technological development, competitiveness, regional cohesion, infrastructures, human resources and green economy.

Support areas: almost all branches of economic activity (with some exceptions)

Potential applicants: large, medium-sized, small and micro enterprises

Project partners required No

Size of grants: The country shall be divided into three incentive zones (A,B, C), on the basis of the level of growth compared with the national average, viz. The percentage of aid for each investment plan depends on the size of the investment body and the prefecture in which it is implemented, but does not exceed **50%** of the subsidised cost of the investment.

South East Europe Transnational Cooperation Program



<http://www.southeast-europe.net/hu/>

Main focus area: territorial, economic and social integration process and to contribute to cohesion, stability and competitiveness of the region.



Support areas: in line with the Lisbon and Gothenburg priorities, and is also contributing to the integration process of the non-EU member states. The South East Europe Program Area includes 16 countries.

Promoting energy and resource efficiency constitutes a distinctive area of intervention under the Priority Axis 2: Protection and Improvement of the Environment.



The purpose of the area of intervention is to establish co-ordination and transfer of know-how on energy

 <p>INRES FP7-229947</p>	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	



	<p>and resource efficiency policies, to co-operate in the adoption and adaptation of EU policies and directives in the relevant fields and the preparation of the area to cover the expected rise in energy demand and resources consumption through environmental friendly approaches.</p> <p>Activities within transnational partnerships that can be supported under this area of intervention should be the followings:</p> <ul style="list-style-type: none"> • Developing policies for sustainable energy supply and resource efficiency at national or regional level, which help to implement the relevant EU guidelines and directives. • Setting up joint strategies for energy saving and energy efficiency. • Facilitating the co-ordination of energy providers, especially among renewable energy sources associations and regional and local authorities. • Coordinating development of infrastructure for the utilization of renewable energy sources and especially hydropower at a transnational level. • Supporting the development and use of fuel from renewable sources. • Supporting the awarding and promotion of energy and resource efficient technologies and actions. • Developing transnational strategies which support and co-ordinate sustainable exploitation schemes of renewable energy sources (hydropower, biomass, geothermic energy etc.). • Developing transnational networks on “green industries”, energy agencies, regional and local authorities. • Stimulating energy efficiency and the development of renewable energies as well as better coordinated efficient energy management systems and promoting sustainable transport including information to industrial customers, service providers and citizens on issues such as how to reduce energy consumption.
--	--

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	



	<p>Potential applicants: public authorities, regional and local authorities, municipal enterprises, public and private legal entities, academic institutions, management authorities, etc.</p> <p>Project partners required Yes</p> <p>Size of grants:</p>
<p>Sectoral Operational Program “Environment & Sustainable Development” (ERDF, COHESION FUND), Ministry of Environment Energy and Climate Change.</p> <p>http://www.epperaa.gr/</p>	<p>Main focus area:</p> <ul style="list-style-type: none"> • The Sustainable Management of environmental resources, natural reserves and Urban Centres (Soil, Marine Environment, Atmosphere, Nature). • Improvement of the efficiency of Public Administration in planning and implementing environmental policy and improving Society and Citizen response to Environmental Protection issues. <p>Support areas:</p> <ol style="list-style-type: none"> 1) Protecting the Atmospheric Environment – Increasing ‘Green’ Transportation – Managing Climate Change - Renewable Energy Sources. (Priority Axes 1 and 6) 2) Protecting and managing water resources. (Priority Axes 2 and 7) 3) Preventing, mitigating and managing environmental hazards. (Priority Axes 3 and 8) 4) Protecting soil systems and managing solid waste. (Priority Axis 4) 5) Protecting Nature and Biodiversity. (Priority Axis 9) 6) Developing Institutions and Mechanisms for the efficient implementation of environmental policy and raising citizen awareness. (Priority Axis 10) 7) Technical Assistance (Priority Axes 5 and 11)

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	

	<p>Potential applicants: public authorities, regional and local authorities, municipal enterprises, public and private legal entities, academic institutions, management authorities, etc.</p> <p>Project partners required No</p> <p>Size of grants: 2.769.000.000 €</p>
<p>Rural Development Program of Greece 2007-2013</p> <p>http://www.agrotikianaptixi.gr/</p>	
<p>Sectorial Operational Program “Competitiveness and Entrepreneurship” (ERDF), Ministry for Regional Development and Competiveness</p> <p>http://epan2.antagonistikotita.gr/english/index.asp</p>	<p>Main focus area: Acceleration of the transition to the knowledge economy, development of healthy, sustainable and outward-oriented entrepreneurship and securing the natural, institutional and organisational conditions that will allow it to flourish, reinforcement of the appeal of Greece as a hub of business growth, with respect towards the environment and sustainability.</p> <p>Finalisation of the National Energy System and enhancement of sustainability (Priority Axis 4).</p> <p>Support areas:</p> <p>The OP interventions support the following sectors:</p> <ul style="list-style-type: none"> • research, technology and innovation, • processing – services – trade, mainly in the form of State aid, • consumer protection, • energy and promotion of renewable forms of energy • tourism, culture and the health sector.

 INRES FP7-229947	Deliverable 4.2		 CAPACITIES
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	

	<p>Potential applicants: public and private legal entities, large, medium-sized, small and micro enterprises, clusters, academic institutions, research institutions, chambers etc.</p> <p>Project partners required? Yes</p> <p>Size of grants: 3.131.565.249 €</p>
--	---

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	

Financing schemes relevant only for: Crete, Greece



Specific Development Program “Crete-Green Development”, Ministry for Regional Development and Competiveness, Region of Crete

Main focus area: environmental protection and promotion, cultural promotion, improvement of quality of life, balanced development of local economy, support of employment and social cohesion.



Support areas: developing of technical infrastructures, protecting natural environment, **reusing of agricultural waste with or without RES**, promoting and exploiting of natural and cultural heritage, developing and improving social infrastructures, differentiating tourist product, establishing and supporting clusters, consulting services etc.

Potential applicants: local and regional authorities, collective entities, development agencies and other legal entities.



Size of grants: 120.000.000 €

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	



Nordic Financing Schemes	
Nordisk Energiforskning / Nordic Energy Research http://www.nordicenergy.net/ http://www.fi.dk/tilskud/eu-og-internationale-programmer/nordiske-programmer/nordisk-energiforskning http://www.norden.org/en/nordic-council-of-ministers/councils-of-ministers/nordic-council-of-ministers-for-business-energy-regional-policy-mr-ner/institutions-co-operative-bodies-border-regions-and-working-groups/institutions/nordic-energy-research/funding-and-calls/nordic-energy-research-project-funding	<p>Main focus area: Inter-Nordic energy research.</p> <p>Support areas: To promote Inter-Nordic energy research as well as the development and increase of alternatives to fossil fuel.</p> <p>Running openings with different support areas.</p> <p>Potential applicants: Educational institutes, companies and organizations.</p> <p>Project partners required A cooperation between at least 3 partners from different Nordic countries participating in Nordisk Råd must be in place.</p> <p>Size of grants: Varies</p>
Nordisk InnovationsCenter / Nordic Innovation Center	<p>Main focus area: to stimulate innovation.</p> <p>Support areas: All types of innovation projects with different theme openings. Accepts also applications</p>

 <p>INRES FP7-229947</p>	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	



http://www.nordicinnovation.org/ http://www.fi.dk/tilskud/eu-og-internationale-programmer/nordiske-programmer/nordic-innovationcentre	<p>outside of theme openings</p> <p>The project may have a maximum time frame of 36 months.</p> <p>Potential applicants: Alle innovationsaktører i Norden.</p> <p>Project partners required at least 3 (preferable 5) Nordic country partners are required.</p> <p>Size of grants: Varies</p>
<p>Nordic Environment Finance Cooperation (NEFCO)</p> <p>www.nefco.org</p>	<p>Main focus area: Nordic financing of environmental projects in the Baltic region that bring benefits to the Nordic region.</p> <p>Support areas: Cost-effective environmental benefits across the region. Priorities are given to projects that:</p> <ul style="list-style-type: none"> • reduce greenhouse gas emissions, • improve the environment in the Baltic region, or • reduce the outlet of toxic pollutants <p>NEFCO administers a number of Nordic funds.</p> <p>Potential applicants:</p> <p>Size of grants: ca. 100 Mio. €</p>
<p>Sustainable Freight Transportation</p> <p>http://www.energyandtransport.net/ http://www.norden.org/en/nordic-</p>	<p>Main focus area: Sustainable transport of goods carried out on land or at sea for both long- and short distance transportation.</p> <p>Support area: This is a call from the Nordic Council of Ministers' Energy and Transport Program to support</p>

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	



council-of-ministers/councils-of-ministers/nordic-council-of-ministers-for-business-energy-regional-policy-mr-ner/institutions-co-operative-bodies-border-regions-and-working-groups/institutions/nordic-energy-research/funding-and-calls/sustainable-freight-transportation-open-for-applications	<p>sustainable freight transportation. Support includes: Technical aspects, Policy and framework conditions, Business development.</p> <p>Funding instruments are: Analysis and studies, Testing and implementation of transport and energy solutions, Network projects.</p> <p>Potential applicants: A consortium of university, institution and company from at least 3 Nordic countries.</p> <p>Project partners required Yes, from at least 3 Nordic countries</p> <p>Size of grants: 10 MNOK</p>
<p>Grants from the Nordic Council of Ministers under the Nordic strategy for sustainable development 2009-2012</p> <p>http://www.norden.org/en/nordic-council-of-ministers/ministers-for-co-operation-mr-sam/sustainable-development/grants-from-the-nordic-council-of-ministers-under-the-nordic-strategy-for-sustainable-development-200920132012</p>	<p>Main focus area: Sustainable development.</p> <p>Support area: Projects that contribute to the Nordic strategy for sustainable development in climate and renewable energy; sustainable production and consumption; the welfare society; and education and research, public participation and local sustainability strategies.</p> <p>Potential applicants: Denmark, Norway, Iceland, Sweden, Greenland, Finland, Åland Islands, Faroe Islands.</p> <p>Size of grants:</p>
<p>Grants from the Nordic Council of Ministers' Environment Group</p> <p>http://www.norden.org/en/nordic-</p>	<p>Main focus area:</p> <p>Support area: The Environment Group funds projects that have aims in line with those of the Nordic Environment Action Plan and/or the programme of the annual Presidency. The project must generate clear</p>

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	



council-of-ministers/councils-of-ministers/nordic-council-of-ministers-for-the-environment-mr-m/grants-from-the-nordic-council-of-ministers-environment-group	<p>Nordic synergies.</p> <p>Potential applicants:</p> <p>Project partners required Yes, from at least 3 Nordic countries</p> <p>Size of grants:</p>
<p>Botnia-Atlantica</p> <p>http://www.norden.org/en/resources/funding-and-calls/external-funding/botnia-atlantica</p>	<p>Main focus area: For Finland, Sweden and Norway various support areas.</p> <p>Support area: Target areas are divided into six priorities: education, research and technical development, tourism and industry, social services, nature and the cultural environment as resources, communications and cross-border community and solidarity (energy, culture, co-operation between cities and towns).</p> <p>Potential applicants: Finland, Sweden and Norway.</p> <p>Size of grants:</p>
<p>The Baltic Sea Region Programme</p> <p>http://www.norden.org/en/resources/funding-and-calls/external-funding/the-baltic-sea-region-programme</p> <p>http://eu.baltic.net/</p>	<p>Main focus area: To make the Baltic Sea region an attractive place to invest, work and live in.</p> <p>Support area: The Baltic Sea Region Programme 2007-2013 is one of the key transnational programmes in the EU's Territorial Co-operation. Supports: Fostering innovations, Internal and external accessibility, Baltic Sea as a common resource, Attractive and competitive cities and regions.</p> <p>Potential applicants: Denmark, Estonia, Germany, Sweden, Latvia, Lithuania, Finland and Poland.</p> <p>Size of grants: Euro 236,6 million funded by ERDF and ENPI</p>

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	



The North Sea Programme www.norden.org/en/resources/funding-and-calls/external-funding/the-north-sea-programme www.northsearegion.eu/ivb/home/	<p>Main focus area: Regional development through transnational projects to make the region an attractive place to invest, work and live in.</p> <p>Support area: The overarching objective of the programme is to expand the framework for territorial co-operation and focus on strong, quality projects to promote innovation, the environment, accessibility and sustainability, and competitive local communities.</p> <p>Potential applicants: The Netherlands, Denmark, Norway, Germany, Sweden, United Kingdom.</p> <p>Size of grants: Euro 140 million</p>
Kattegat-Skagerrak http://www.norden.org/en/resources/funding-and-calls/external-funding/kattegat-skagerrak http://www.interreg-oks.eu/se	<p>Main focus area:</p> <p>Support area: The programme has 3 priorities areas: * To promote sustainable economic growth * To bind the region together * To promote integration in everyday life.</p> <p>Potential applicants: Sweden, Denmark, Norway</p> <p>Size of grants:</p>

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	



Financing schemes relevant only for: Denmark	
Fornyelsesfonden www.fornyelsesfonden.dk http://www.fornyelsesfonden.dk/groen_innovation	<p>Main focus area: Innovation of green solutions</p> <p>Support areas: Large interdisciplinary innovation projects and services in the green area that can create growth and employment in Denmark. Projects must be economically viable.</p>
GUDP – Green Development and Demonstration programme http://www.fvm.dk/Groent_Udviklings-og_Demonstrationsprogram.aspx?ID=42556	<p>Main focus areas: Food systems, agriculture, fishery and aquaculture.</p> <p>Support areas: GUDP is part of the Green Growth plan (Grøn Vækst 2.0) of the Danish Government. GUDP supports improved connections between science, development and demonstration of knowledge. Relevant support areas: Improved CO2 neutral energy production in agriculture and more sustainable plant production.</p> <p>Full size of overall fund in 2011: 170 million Danish kroner.</p>
Energinet – PSO midler http://www.energinet.dk/DA/KLIMA-OG-MILJOE/Energi-og-klima/Sider/Tilskud-til-vedvarende-energi.aspx http://www.energinet.dk/DA/FORSKNI	<p>Main focus area: Production, research and development of renewable energy.</p> <p>Support areas: Public service obligations (PSO) on everyone's electricity bills go to a range of socially useful purpose as:</p> <ul style="list-style-type: none"> • Support to produce environmentally friendly electricity • Connection of environmentally friendly energy production to the grid • Security of supply

 <p>INRES FP7-229947</p>	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	



NG/Aktuelle-udbud/Sider/default.aspx	<ul style="list-style-type: none"> • Environmental impact assessments for offshore wind • Research and development in environmentally friendly electricity
<p>Elforsk (PSO) Danish Energy</p> <p>www.elforsk.dk</p> <p>www.energinet.dk/da/menu/Forskning/ForskEL-programmet/ForskEL+programmet.htm</p>	<p>Main focus area: Research and development on effective energy use.</p> <p>Support areas: The main goal of Elforsk is to develop technologies, methods and tools that reduce energy consumption, with electricity in the center.</p> <p>Projects where technology or methodology developers work in close collaboration with manufacturers and end users to also accommodate the market pull activities to ensure that the project new knowledge as soon as possible and most effectively be applied. The program will in particular prioritize projects in areas such as buildings, lighting, cooling, industrial processes and behaviour, barriers and tools.</p> <p>Size of grants: 25 million DKK annually</p>
<p>Region Midtjylland - Vækstforum</p> <p>http://www.rm.dk/regional+udvikling/v%C3%A6kstforum</p>	<p>Main focus area: Energy and environment</p> <p>Support areas: Growth Forum supports activities and projects that help to strengthen the development of Central Jutland as energy and environmental technology pioneer region.</p> <p>The four strategic focus areas that the Growth Forum has chosen to prioritize for 2010-2020 are::</p> <ul style="list-style-type: none"> • Energy and environment • Foods • Welfare innovation • Tourism <p>The four general growth engines Growth Forum has chosen to prioritize for 2010-2020, are:</p>

 <p>INRES FP7-229947</p>	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	



	<ul style="list-style-type: none"> • Innovation and business development • Digitising • Entrepreneurship • Education and competence development <p>In all areas will internationalization and regional balance have a central place in shaping the actual activities.</p>
<p>EUDP Energy technologically Development and Demonstration Programme</p> <p>www.ens.dk</p> <p>http://www.ens.dk/da-DK/NyTeknologi/om-eudp/Sider/Forside.aspx</p>	<p>Main focus area: Development and demonstration of new energy technology contributing to the independence of fossil fuel in Denmark and at the same time creating economic growth and jobs.</p> <p>Support area: Development and demonstration of innovative energy technologies. Projects must contribute to making Denmark independent of fossil energy in 2050. At the same time they develop Danish business potentials for growth and employment. EUDP promotes further international cooperation on new energy technologies.</p> <p>The main criteria for eligibility is that the project:</p> <ul style="list-style-type: none"> • Develops and / or demonstrates new energy • Is based on research that points towards development and demonstration • Is innovative and has a patentable technological content • Covers a market need and has a well defined customer view • Is economically competitive • Contains a technology that is close to market deployment

 <p>INRES FP7-229947</p>	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	



	<p>Potential applicants: Public or private companies or research institutions based in Denmark.</p> <p>Project partners required: EUDP emphasizes that companies collaborate with multiple players, like:</p> <ul style="list-style-type: none"> • With several different companies with a direct interest in exploiting the results from the project • Public - private partnerships (companies and research institutions) • International cooperation <p>Full size of overall grant: 400 million DKK (over two application rounds).</p>
<p>Danske Vindkraftværkers Fond http://www.dkvind.dk/</p>	<p>Main focus area: Supports the use of wind power in Denmark</p> <p>Support areas: Both private wind turbine owners and major projects dealing with renewable energy.</p> <p>Potential applicants: Private applicants and associations as well as projects supported by the Danish Wind Turbine Owners' Association.</p> <p>Project partners required No</p> <p>Size of grants: approx 300.000 DKK</p>
<p>Landlegatet http://www.legatmidler.dk/vislegat.php?legatnr=605&side=1</p>	<p>Main focus area: Supports activities to promote the income and the well-being of rural citizens as well as agricultural knowledge.</p> <p>Support areas: The requirement is that the project will contribute knowledge to the benefit of Danish agriculture or food production, contributes to increased satisfaction, or improved income opportunities in rural areas.</p> <p>Potential applicants: The grant can only be applied for by individuals, institutions and associations.</p> <p>Project partners required No</p>

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	



	<p>Size of grants:</p>
<p>Development subsidy http://www.fvm.dk/Default.aspx?ID=18486&PID=165776&NewsID=6216</p>	<p>Main focus area: Supports development, implementation and expansion of biogas plants.</p> <p>Support areas: It is part of the Government's 'Green Growth' with a political objective that 50 percent of the manure by 2020 to be used for energy purposes. Supports the establishment or expansion of capacity of biogas plants, and costs to redesign farms that will supply manure.</p> <p>The grant can be up to 20 percent of eligible costs, and up to 30 million DKK per biogas plant with associated additional investment on the farms.</p> <p>The applications are prioritized, among other things, according to project cost effectiveness in treating most manure per invested DKK.</p> <p>Potential applicants: companies (legal entity) supporting biogas plants and agriculture / horticulture that will supply biomass.</p> <p>Size of grants: 300 million DKK, which is 100 million DKK per year in 3 years (2010-12).</p>
<p>SPIR – Strategic Platforms for Innovation and Research http://www.fi.dk/tilskud/stoetteformer/spir/</p>	<p>Main focus area: Public-private integrated cooperation around research and innovation with benefits for society and business.</p> <p>Support area: To create platforms between strategic research and innovation for increased knowledge sharing and knowledge utilization in private and public sectors.</p> <p>Support area varies. Supported in 2011: Intelligent solutions for society and welfare technology.</p> <p>Potential applicants: Forsknings- og innovationsaktive organisationer.</p> <p>Size of grants: at least 50 million DKK (with a budget of more than 100 million DKK)</p>

 INRES FP7-229947	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	

Strategiske Forskningscentre http://www.fi.dk/tilskud/stoetteformer/strategiske-forskningscentre/	<p>Main focus area: Establishment of a research center environment with benefits for society and business.</p> <p>Support area: Strategic research center with a high scientific level, strategic importance and a large community or business potential within the subjects:</p> <ul style="list-style-type: none"> • Sustainable energy and environment • Individual, illness and society • Education and creativity • Strategic growth technologies • Health, food and welfare • Transport and infrastructure <p>Full size of overall grants: Per research center at least 30 million DKK over 5-7 år.</p>
Videnpilot http://www.fi.dk/tilskud/stoetteformer/videnpilot/	<p>Main focus area: Employment of specialist</p> <p>Support area: Supports the recruitment of a highly educated employee for small businesses. The funds for 2011 are used, but may be applied for 2012 and beyond.</p>
Åbne midler http://www.fi.dk/tilskud/stoetteformer/aabne-midler/	<p>Main focus area: Innovative projects in cooperation with companies and education institutions.</p> <p>Support areas: Innovative projects in cooperation with companies and education institutions, those are not eligible in other innovation funding agencies.</p> <p>The aim is to ensure that innovative projects that benefit the entire industry do not fall to the ground because they do not fit into the innovation system.</p> <p>Potential applicants: Research institutions and similar companies</p> <p>Project partners required Both research institutions and companies must participate in the project.</p>

 <p>INRES FP7-229947</p>	Deliverable 4.2		
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	

<p>Tilskudsordning til miljøeffektiv teknologi</p> <p>http://www.ecoinnovation.dk/Emneoversigt/IsaerForVirksomheder/Finansiering_tilskud/Tilskudsordning_miljoeteknologi_mst.htm</p>	<p>Main focus area: Environmentally effective technology.</p> <p>Support areas: The scheme is in 2010-2011 focused on developing, testing and demonstration of eco-efficient technology in key areas of Water, air pollution and waste as well as projects with a focus on how public demand can promote environmental technology innovation.</p> <p>Potential applicants: Private and public enterprises, organisations, actors and companies.</p> <p>Size of grants: 90 million DKK</p>
<p>Strategisk Forskning, DSF – Bæredygtig energi og miljø</p> <p>http://www.fi.dk/tilskud/forsknings-og-innovationsprogrammer/dsf-baeredygtig-energi-og-miljoe/</p>	<p>Main focus area: Grants for strategic research that helps to create a renewable and environmentally sustainable energy and environment and energy technologies with a minimal impact on the climate and the environment.</p> <p>Support areas: The Strategic Research Council grants funds for research in the field of sustainable energy and environment. The Strategic Research generally give grants for the following three tools:</p> <ul style="list-style-type: none"> • Strategic research centers • Strategic research alliances • Strategic research projects <p>It appears from annual notices and guidelines for the final applications, which instruments are applicable.</p> <p>Potential applicants: All Danish and foreign nationals. However, it is a requirement that the research activity applied for, will promote and strengthen Danish research.</p> <p>Project partners required Projects will normally be conducted in cooperation with several Danish and foreign institutions and companies.</p> <p>Size of grants: approx 250 million DKK</p>

 INRES FP7-229947	Deliverable 4.2		 CAPACITIES
	Month - Year: March- 2012	Cod: INRES-Deliverable 4.2	
		Ver: 1.0	