I.E.

IMMEDIATA ESECUTIVITÀ

La presente deliberazione viene affissa il 14 NOV. 2005 *all'Albo Pretorio per rimanervi 15 giorni*

PROVINCIA di BENEVENTO

Deliberazione della Giunta Provinciale n. 840 *del* -7 NOV. 2005

Oggetto: LIFE AMBIENTE Bando per progetti dimostrativi 2005/2006. Azione 3.2.1 Sviluppo di tecniche o metodi innovativi in grado di ridurre in modo significativo e quantificabile le emissioni di gas ad effetto serra (in tutti i settori, in particolare industria, energia, trasporti, agricoltura, silvicoltura e gestione dei rifiuti). Provvedimenti

L'anno duemilacinque il giorno Sette del mese di Novembre presso

la Rocca dei Rettori si è riunita la Giunta Provinciale con l'intervento dei Signori:

1) On.le	Carmine	NARDONE	- Presidente	ASSENTE
2) Rag.	Giovanni	MASTROCINQUE	-Vice Presidente	
3) Rag	Alfonso	CIERVO	- Assessore	
4) Ing.	Pompilio	FORGIONE	- Assessore	
5) Dott.	Pasquale	GRIMALDI	- Assessore	ASSENTE
6) Dott.	Giorgio Carlo	NISTA	- Assessore	
7) Dott.	Carlo	PETRIELLA	- Assessore	
8) Dott.	Rosario	SPATAFORA	- Assessore	ASSENTE
9) Geom.	Carlo	VALENTINO	- Assessore	

Con la partecipazione del Segretario Generale Dr. Gianclaudio IANNELLA

L'ASSESSORE PROPONENTE -Dott. Rosario SPATAFORA -

LA GIUNTA

Preso visione della proposta del Settore Mobilità e Energia istruita dal Settore Mobilità e Energia qui di seguito trascritta:

PREMESSO:

- che la Commissione Europea propone oggi un Programma pluriennale di azioni nel settore dell'Ambiente, "Life Ambiente 2005/2006, con l'obiettivo di contribuire allo sviluppo di tecniche e metodi innovativi e integrati e all'ulteriore sviluppo della politica comunitaria dell'ambiente;

- che la Provincia di Benevento nell'ambito della propria pianificazione e programmazione si è dotata del P.E.A. – Piano Energetico Ambientale - approvato in Consiglio Provinciale con proprio atto deliberativo n. 72/04 che nell'ambito settore ambientale ed energetico definisce obiettivi, azioni, risultati attesi, tempi e risorse necessarie a conseguire gli obiettivi generali di contenimento delle emissioni climateranti e che contiene inoltre le indicazioni dell'intera programmazione energetica dell'ente Provincia;

VISTO: il Regolamento (CE) n. 1 682/2004 del 15 Dicembre 2004, pubblicato sulla Gazzetta Ufficiale dell'Unione Europea L 308 del 5 Ottobre 2004, che modifica il regolamento (CEE) n. 1625/2000 del 17 Luglio 2000 riguardante lo strumento finanziario per l'ambiente (Life);

VISTO: l'invito della Commissione Europea a Presentare proposte di progetto per il programma Life Ambiente 2005/2006 (2005/C 149/10) pubblicato sulla Gazzetta Ufficiale dell'Unione Europea n. C 149 del 21 Giugno 2005;

VISTO: il Decreto Ministeriale del 15 Luglio 2005 pubblicato nella Gazzetta Ufficiale, Serie Generale, n. 205 del 3 Settembre 2005 con il quale viene fissato il termine di presentazione al Ministero dell'Ambiente e della Tutela del Territorio, Direzione per la Ricerca Ambientale e lo Sviluppo, delle proposte di progetto relative al Programma Life Ambiente 2006 e le modalità di presentazione;

CONSIDERATO:

- che la Provincia di Benevento intende partecipare al Bando Europeo, il cui termine ultimo di presentazione dei progetti da parte delle autorità nazionali alla Commissione ricade il 30/11/2005, con una propria proposta progettuale, finalizzata allo sviluppo di tecniche e metodi innovativi in grado di ridurre in modo significativo e quantificabile le emissioni di gas ad effetto serra;

- che la Provincia di Benevento nella partecipazione al Bando Europeo intende assumere la veste di soggetto proponente e coordinatore di un ampio ed autorevole partenariato locale e nazionale;

- che il progetto redatto dall'Ufficio Europa e Rapporti Internazionali della Provincia di Benevento dal titolo "BIOLIFE – Distretto agricolo dell'energia rinnovabile", acquisito al nostro protocollo generale al n. 4571 del 30/09/2005 è stato inviato al Ministero dell'Ambiente e della Tutela del Territorio il 30/09/2005;

- che la spesa complessiva per il finanziamento del progetto, scaturente dalla partecipazione di questo Ente al Bando "Life Ambiente 2005/2006" Azione 3.2.1 Sviluppo di tecniche o metodi innovativi in grado di ridurre in modo significativo e quantificabile le emissioni di gas ad effetto serra, sarà di € 794.409,00, di cui € 300.000,00 a carico della Provincia e graveranno sul competente capitolo di bilancio 2006, da istituirsi con relativa variazione di bilancio, mentre la restante somma pari ad € 494.409,00 sarà cofinanziata per un importo di € 392.364,00 dalla Direzione Generale Energia-Mobilità dell'Unione Europea, mentre il rimanente costo pari ad € 102.045,00 dai seguenti partner: (Gierret, SPS, Fondazione Lee Iacocca, Soluzioni);

RITENUTO doversi approvare il progetto "Biolife: distretto agricolo dell'energia rinnovabile" ;

Esprime parere favorevole circa la regolarità tecnica della proposta.

Lì _____

Il Dirigente del Settore
MOBILITA' -ENERGIA
(Dr.ssa Giovanna Romano)

Esprime parere favorevole circa la regolarità contabile della proposta

Lì,_____

Il Dirigente del Settore
FINANZA E CONTROLLO ECONOMICO
(Dr. Sergio MUOLLO)

LA GIUNTA

Su relazione dell'Assessore al ramo

A voti unanimi

D E L I B E R A

Per le motivazioni espresse in narrativa:

La premessa è parte integrante e sostanziale del presente atto:

1. di approvare in via preventiva il progetto BIOLIFE allegato alla presente deliberazione;

2. di dare atto che la spesa complessiva per il finanziamento del progetto BIOLIFE per il triennio 2006/2009 è di € 794.409,00, di cui € 300.000,00 sono a carico della Provincia e graveranno sul competente capitolo di bilancio 2006 da istituirsi con relativa variazione di bilancio;

3. di onerare il dirigente del Settore Mobilità-Energia di tutti gli adempimenti consequenziali-

Verbale letto, confermato e sottoscritto

IL SEGRETARIO GENERALE
(Dr. Gianclaudio IANNELLA)

IL PRESIDENTE
(dr. Carmine NARDONE)

==========

N. 1012 **Registro Pubblicazione**

Si certifica che la presente deliberazione è stata affissa all'Albo in data odierna, per rimanervi per 15 giorni consecutivi a norma dell'art. 124 del T.U. – D.Lgs.vo 18.06.2000, n.267

14 NOV. 2005

BENEVENTO _____

IL MESSO _____

IL SEGRETARIO GENERALE
(F.to Dott. Gianclaudio IANNELLA)

==========

La su-estesa deliberazione è stata affissa all'Albo Pretorio in data 14 NOV. 2005 e contestualmente comunicata ai Capigruppo ai sensi dell'art. 125 del T.U. – D.Lgs.vo 18.08.2000, n. 267

SI ATTESTA, che la presente deliberazione è divenuta esecutiva a norma dell'art. 124 del T.U. – D.Lgs.vo 18.08.2000 n. 267 e avverso la stessa non sono stati sollevati rilievi nei termini di legge.

lì 1 DIC. 2005

IL RESPONSABILE DELL'UFFICIO _____

IL SEGRETARIO GENERALE
(F.to Dott. Gianclaudio IANNELLA)

==========

Si certifica che la presente deliberazione è divenuta esecutiva ai sensi del T.U. – D.Lgs.vo 18.08.2000, n. 267 il giorno 1 DIC. 2005

- [x] Dichiarata immediatamente eseguibile(art.134,comma 4, D.Lgs.vo 18.08.2000, n. 267)
- [ ] Decorsi 10 giorni dalla sua pubblicazione (art.134,comma 3, D.Lgs.vo 18.08.2000, n. 267)
- [ ] E' stata revocata con atto n. _____ del _____.

BENEVENTO, lì 1 DIC. 2005

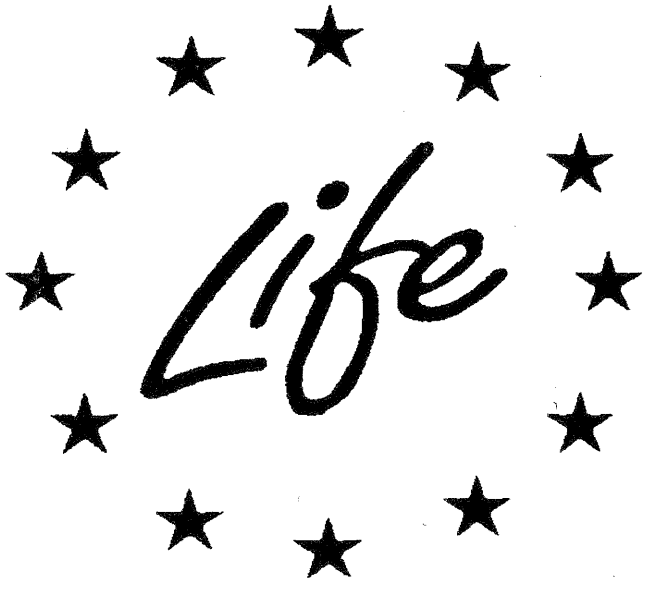
IL SEGRETARIO GENERALE
(Dott. Gianclaudio IANNELLA)

==========

Copia per

SETTORE	S M E	il _____ prot. n. Es 10556
SETTORE	Ragioneria e CC	il 9947 prot. n. _____
SETTORE	_____	il _____ prot.n. 5.12.05
[x] Revisori dei Conti		il 12.11.05 prot. n. _____
[ ] Nucleo di Valutazione		il _____ prot. n. _____

Conferenza Capigruppo



APPLICATION FORMS:
FINANCIAL PART

Proposal full title: AGRICULTURAL DISTRICT OF THE RENEWABLE ENERGY

Proposal acronym:BioLife

Applicant: PROVINCIA DI BENEVENTO

FORM F0 Proposal Acronym: BioLife

Budget breakdown categories	Total cost in €	Eligible Cost in €	% of total eligible costs
1. Personnel		279.879	35,75%
2. Travel and subsistence		14.150	1,81%
3. External assistance		22.000	2,81%
4. Durable goods			
Infrastructure	0	0	0,00%
Equipment	23.200	11.600	1,48%
Prototype		395.000	50,46%
5. Consumables		25.200	3,22%
7. Other Costs		0	0,00%
8. Overheads		35.000	4,47%
TOTAL	794.429	782.829	100%

Contribution	In €	% of TOTAL	% total eligible costs
Requested Community contribution	392.364	49,39%	50,12%
Beneficiary own contribution	300.000	37,76%	
Participants contribution (sum of B + C below)	102.045	12,85%	
TOTAL	794.409	100,00%	

Participants contribution breakdown	In €	% of TOTAL cost
B Partners own contribution	102.045	12,85%
C Other sources of funding	0	0,00%

Please fill in the analytical financial forms (F3 - F11) first. In these forms you are allowed to add lines but you cannot alter the formulas

Please refer to the relevant instructions given in the explanatory notes for filling in these forms

Important note: If the overheads cell appears in red, this means that the budgeted amount is above the 7% of the total direct costs

FORM F1 Proposal Acronym: BioLife

Other sources of funding summary : Partners

Partner N°	Short Name of Partner	Amount of co-funding in €	Status of Commitment	Declaration Form and page
2	Fondazione	11.465	The commitment	58
3	SPS	19.000	The commitment	59
4	Soluzioni	20.000	The commitment	60
5	GIERRET	51.580	The commitment	61
	TOTAL	102.045		

Beneficiary's contribution must not be included here

Other sources of funding summary : Co-financiers

Co-financiers	Short Name of Co-financier	Amount of co-funding in €	Status of Commitment	Declaration Form and page
	TOTAL	0		

Please refer to the relevant instructions given in the explanatory notes for filling in these forms

FORM F3 Proposal Acronym: BioLife

Direct Personnel costs

	Calculation =>		A	B	C = B/Productive days per month	A X B	
Beneficiary/ Partner number	Indicate the exact legal denomination of the type of contract: full/part time, temporary etc	Category	Day rate	Number of person days	Number of person moths	Eligible Costs	% of Total personnel costs for the project
1	Temporary	Senior	371,85	**92**		**34.210**	12,22%
1	Temporary	Junior	247,9	**41**		**10.164**	3,63%
2	Temporary	Senior	371,85	**24**		**8.924**	3,19%
2	Temporary	Junior	247,9	**64**		**15.866**	5,67%
3	Temporary	Senior	371,85	**68**		**25.286**	9,03%
3	Temporary	Junior	247,9	**94**		**23.303**	8,33%
4	Temporary	Senior	371,85	**40**		**14.874**	5,31%
4	Temporary	Junior	247,9	**149**		**36.937**	13,20%
5	Temporary	Senior	371,85	**98**		**36.441**	13,02%
5	Temporary	Junior	247,9	**298**		**73.874**	26,40%
						0	0,00%
						0	0,00%
						0	0,00%
						0	0,00%
						0	0,00%
						0	0,00%
		TOTAL (sum above) =>		**876**	0	**279.879**	**100%**

Please refer to the relevant instructions given in the explanatory notes for filling in these forms

FORM F4 Proposal Acronym: BioLife

Travel and subsistence costs

				Calculation =>	A	B	A + B	
Beneficiary/ Partner number	Destination	Outside Europe	Reasons for travel		Travel costs	Subsistence costs	Total travel and subsistence costs	% of total travel and subsistence costs
3	Benevento		Coordinating meeting		450	900	1.350	9,54%
3	Benevento		Press conference		200	400	600	4,24%
3	Benevento		Conference Benevento		100	200	300	2,12%
3	Bruxelles		Conference Bruxelles		1.200	800	2.000	14,13%
1	Bruxelles		Conference Bruxelles		1.200	800	2.000	14,13%
1	Roma		Project Management		700	300	1.000	7,07%
2	Bruxelles		Conference Bruxelles		1.200	800	2.000	14,13%
2	Roma		Conference Roma		200	100	300	2,12%
4	Roma		Conference Roma		200	100	300	2,12%
4	Bruxelles		Conference Bruxelles		1.200	800	2.000	14,13%
5	Roma		Conference Roma		200	100	300	2,12%
5	Bruxelles		Conference Bruxelles		1.200	800	2.000	14,13%
							0	0,00%
							0	0,00%
							0	0,00%
							0	0,00%
							0	0,00%
							0	0,00%
							0	0,00%
				TOTAL (sum above) =>	8.050	6.100	14.150	100%

Please refer to the relevant instructions given in the explanatory notes for filling in these forms

FORM F5 Proposal Acronym: BioLife

External assistance costs

Beneficiary/ partner number	Provider/ procedure	Description	Costs (€)	% of total external assistance costs
1	CIA(National organization of agriculturals) Framework	Cultivation and harvest of the biomass	**10.000**	45,45%
4	Direct treaty	Catering	**2.000**	9,09%
4	Direct treaty	Catering	**4.000**	18,18%
1	Direct treaty	Informative panels	**2.000**	9,09%
1	Direct treaty	Advertising on media	**4.000**	18,18%
				0,00%
				0,00%
				0,00%
				0,00%
				0,00%
				0,00%
				0,00%
				0,00%
				0,00%
				0,00%
				0,00%
				0,00%
				0,00%
				0,00%
				0,00%
				0,00%
		TOTAL (sum above) =>	**22.000**	**100%**

FORM F5 Proposal Acronym: BioLife

External assistance costs

Beneficiary/ partner number	Provider/ procedure	Description	Costs (€)	% of total external assistance costs

Please refer to the relevant instructions given in the explanatory notes for filling in these forms

Durable goods: Infrastructure costs

		Calculation =>	A		A x 0.25	
Beneficiary/ partner number	Supplier/ Procedure	Description	Real Costs	Depreciation (Y/N)	Eligible Costs	% of total Infrastructure costs
						#DIV/0!
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						#DIV/0!
						#DIV/0!
		TOTAL (sum above) =>	0		0	#DIV/0!

Please refer to articles 21.6-21.7 of the Common Provisions to see if the infrastructure in question is subject to depreciation

Please refer to the relevant instructions given in the explanatory notes for filling in these forms

FORM F7 Proposal Acronym: BioLife

Durable goods: Equipment costs

			Calculation =>	A		A x 0.50	
Beneficiary/ partner number	Supplier/ Procedure	Description	Real Costs	Depreciation (Y/N)	Eligible Costs)	% of total Equipment costs
1	Direct treaty	Laptop, bright blackboard and projector	4.500	Yes	2.250	19,40%
2	Direct treaty	Laptop	1.500	Yes	750	6,47%
3	Direct treaty	Laptop	1.500	Yes	750	6,47%
4	Direct treaty	Laptop + specific softaware for informative point	5.000	Yes	2.500	21,55%
5	Direct treaty	Laptop, specific software for creating maps	5.700	Yes	2.850	24,57%
5	Direct treaty	Equipment for the use of the technology	5.000	Yes	2.500	21,55%
						0,00%
						0,00%
						0,00%
						0,00%
						0,00%
						0,00%
						0,00%
						0,00%
						0,00%
						0,00%
						0,00%
						0,00%
		TOTAL (sum above) =>	23.200		11.600	100%

Please refer to articles 21.6-21.7 of the Common Provisions to see if the equipment in question is subject to depreciation

Please refer to the relevant instructions given in the explanatory notes for filling in these forms

Durable goods: Prototype costs

Beneficiary/ partner number	Supplier/ Procedure	Description	Real Costs	% of total prototype costs
	Market research	Module plug and play fed by biomass for the production of thermal and refrigerating energy	**395.000**	100,00%
				0,00%
				0,00%
				0,00%
				0,00%
				0,00%
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				0,00%
				0,00%
				0,00%
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				0,00%
				0,00%
				0,00%
				0,00%
				0,00%
				0,00%
				0,00%
		TOTAL (sum above) =>	**395.000**	**100%**

Please refer to the relevant instructions given in the explanatory notes for filling in these forms

Consumable materials

Beneficiary/partner number	Supplier/ procedure	Description	Costs (€)	% of total Consumable costs
1	Direct Treaty	Raw materials, dissemination leaflets	**7.200**	28,57%
2	Direct Treaty	Raw materials	**2.200**	8,73%
3	Direct Treaty	Raw materials	**2.200**	8,73%
4	Direct Treaty	Raw materials, dissemination leaflets	**8.600**	34,13%
5	Direct Treaty	Raw materials	**5.000**	19,84%
				0,00%
				0,00%
				0,00%
				0,00%
				0,00%
				0,00%
				0,00%
				0,00%
				0,00%
				0,00%
				0,00%
				0,00%
				0,00%
				0,00%
		TOTAL (sum above) =>	**25.200**	**100%**

Please refer to the relevant instructions given in the explanatory notes for filling in these forms

FORM F11 Proposal Acronym: BioLife

Other costs

Beneficiary/ partner number	Supplier/ procedure	Description	Costs	% of total Other costs
		Audit	0	#DIV/0!
		Bank guarantee	0	#DIV/0!
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		TOTAL (sum above) =>	0	#DIV/0!

Please refer to the relevant instructions given in the explanatory notes for filling in these forms

PART III
PROPOSAL PREPARATION FORMS
Version June 2005
for

Financial support from the EC
financial instrument for the environment

LIFE-Environment

DEMONSTRATION PROJECTS

Including notes on how to complete the proposal preparation forms

The Financial Forms F0-F11 are in a separate Excel document PARTIII-Finance

This document can be downloaded from URL:

http://europa.eu.int/comm/environment/life/home.htm

Version May2005.

Content

1. GENERAL GUIDELINES TO THE FORMS

1. This document provides guidelines on how to fill in the application forms for LIFE-Environment demonstration projects.
2. This document constitutes Part III of an Application Guide for LIFE-Environment. Before attempting to fill in the forms the applicant should be familiar with Parts I and II of the Application Guide and the LIFE Common provisions attached to the model Grant Agreement (Annex 1 of Part II).
3. The forms are designed to obtain essential information for use during the proposal evaluations by the European Commission.
4. Please note that the completion of these forms does not in any way commit the European Commission to establish an agreement with the applicants.
5. The forms are structured in four sections:
    - summary section, S with 3 forms
    - administrative section, A with 4 forms,
    - technical section, T with 6 forms,
    - financial section, F with 13 forms (in a separate Excel document),

    PLUS : Declaration Forms for the partners and co-financers.
6. The applicant, hereafter referred to as 'the beneficiary', is to fill in the summary, administrative, technical and financial forms, possibly assisted by any partners to the project proposal.
7. The beneficiary, eventual partners and co-financiers will be referred to hereafter as 'the participants'.
8. The use of the forms is compulsory. Proposals presented not respecting the format of the forms can not be taken into account for evaluation.
9. In order for a proposal to be eligible **ALL forms** must be sent in even where the content is not applicable to the proposal.
10. Each proposal must be submitted, in three identical, complete, hard copies bearing original hand-written signatures where requested to the competent national authority.
11. Each copy must be presented in a 2-hole folder. Neither spiral nor thermal bindings should be used.
12. Forms may be duplicated if this is indicated at the bottom of the page. In such a case the beneficiary is to number the forms in the field foreseen in the top-right corner of the form.
13. For those forms where a total amount is required at the bottom of the tables, the last duplicated form should indicate the grand total.
14. Do not fill in the forms by hand. Hand-written forms are considered non eligible and the proposal will be excluded from further evaluation.
15. The characters in the forms should have a minimum size of point 10 and single line spacing should be used. The preferred type fonts are Times-New Roman or Arial.
16. Figures and diagrams may be included on the T (Technical) forms.
17. Do not include leaflets, brochures or any other unsolicited information with the proposal.
18. Please remember to indicate the project short name (acronym if appropriate) at the top of each form where indicated "Project Acronym" and on the top of each page of any annexes. This should not be more than 20 characters and the same must be used by the participant in all forms where this information is required.
19. For numbers, (amount, duration, percentages, person-months), please round to the nearest whole number unless specified differently in the context explanations.
20. **All costs must be given in Euro and written out in full and must exclude recoverable value-added tax (VAT).**

2. SUMMARY FORMS OVERVIEW

21. The summary section consists of 3 forms:

Form S0	General project data
Form S1	Country/Region
Form S2A	Summary of the Project in English

22. The summary forms contain the information required by the Commission to establish a first overview of the proposed project.

23. Special attention is drawn to the **Form S0 – General Project data – table project policy area:** Indicate one and only one policy area in which the project falls. Place an 'X' in box beside the corresponding 'PG' box indicating the policy sub-heading. For details on the different policy sub-headings please refer to the **Guidelines for LIFE Environment demonstration projects (Part I – Application Guide). DO NOT PLACE MORE THAN ONE X.**

24. **The start and end dates should be given in dd/mm/yyyy format.**

3. ADMINISTRATIVE FORMS OVERVIEW

25. The administrative section consists of 4 forms:

Form A0	Declaration of applicant
Form A1	Beneficiary profile
Form A2	Partner profile
Form A3	Co-financier profile

26. Particular attention is drawn to the Declaration of applicant. **This form must be provided in three originals dated and signed by the person authorised to represent the applicant**. The position/status of the signatory should be given. Failure to provide signed versions will result in the application being declared ineligible. **This form is considered to be the official technical and financial commitment of the applicant.**

27. Form A1 - Particular attention should be given to the declared status of the beneficiary (public/private) and applicants are invited to consider carefully the conditions given concerning 'public' status as set down in Part II of the Application Guide point III.1.

28. Forms A2 and A3 are applicable only in the case of partnerships and/or co-financing. The submitted proposal should in any case contain the A2 and A3 forms even when there are no partners or co-financiers.

4. TECHNICAL FORMS OVERVIEW

29. The technical section consists of 6 forms:

	Technical proposal forms	Max. No. pages
Form T0	Technical Description of the Project and a description of the Beneficiary and partners' Organisations	2
Form T1	Tasks Summary	2
Form T2a	Task Form: breakdown of the objective and actions including the participants' responsibilities (one page per Task maximum)	10
Form T2b	Task Form: deliverables/milestones breakdown (one page per Task maximum	10
Form T3	State-of-the-art and innovation - Demonstration character and dissemination plan - Reproduction potential and transferability (one page per item maximum)	3
Form T4	Environmental problem- Value for money and, eventually, environmental cost/benefit ratio - Added value of international approach and employment implications (one page per item maximum)	3
	Maximum number of pages	**30**

30. The content of the technical forms should allow the Commission to assess the degree to which the proposal responds to the objectives of LIFE-Environment as given in the LIFE Regulation, the Guidelines (Part I) and referenced documents.

31. **Form T0** should provide a general technical description of the project and give a brief profile on the applicant organisation and its partners, their activities and competence. The description given should enable the Commission to evaluate the technical reliability of the applicant and its partners i.e. if they dispose of the experience and expertise necessary for a successful implementation of the project. The applicant profile should include information on the legal status of the organisation i.e. if a private structure whether it is a profit or non profit organisation and if a public body whether it is a local, provincial, regional or central authority.

    The technical description will be used to assess the specific aspects of the project and to evaluate it in accordance with the criteria set out in the Life Regulation and Guidelines.

32. The technical proposal may be presented in the national language of the beneficiary. **The Commission nevertheless strongly recommends submitting the technical part of the proposal in English.** Experience shows that having an English version available generally leads to a more efficient evaluation of the proposals. <u>When presented in English, no other language version is required</u>.

33. **FORM T1** should provide a clear overview of all **tasks** involved in the project with their start/end dates, actions and deliverables (**maximum number of tasks 10**).

34. **FORMS T2a and T2b** - it is important to break down the tasks to a level that allows the Commission to assess the maturity of the project in terms of planning and preparation. Avoid a too general description. The breakdown should allow the Commission to monitor progress during implementation. The task breakdown should list the actions and each participants' responsibilities, as well as the expected result. There should be one T2a and one T2b per task - maximum 10 tasks. The budgetary breakdown per task and action is requested in the financial forms F2a and F2b.

For each task specify the following:

<u>Task A.1</u>:

Name of Task:

Description (what, how and where): Task breakdown

Reasons why it is necessary:

Responsible for implementing it: give breakdown

Expected results (quantitative information when possible): define targets. The targets should be measurable both during ongoing monitoring and after the completion of tasks.

Constraints: list potential constraints and how you would envisage overcoming them.

Give deliverables and milestones in T2b:

Note - Deliverables are all products produced, i.e. management plans, studies documents, software, videos, etc). A copy of all deliverables should be sent to the Commission. Milestones are defined as key moments during the implementation of the project.

35. **Two tasks are compulsory:**

- TASK MANAGEMENT AND REPORTING TO THE EC: describe how the project will be organised. Include a brief but clear organisation chart of the technical and administrative staff involved (who, how many, main tasks?). For reporting requirements ref Common Provisions attached to the model Grant Agreement Article 11(Annex 1, Part II).
- TASK DISSEMINATION

  - **Media work.**
  - **Organisation of events for the local community or for visitors:** e.g., public information meetings, meetings with interest groups, guided visits... Describe exactly what is planned and who the target audience is.
  - **Workshops, seminars, conferences:** If beneficiary/partners are attending, specify which (if known already). If the beneficiary/partners are organising, describe exactly what the topic will be, how does it contribute to the objectives, who will be invited (note that the Commission must be invited and, whenever possible, beneficiaries implementing or having implemented similar projects ought to be invited in order to foster networking). Finally, describe the output of each event and how it will be disseminated.
  - **Production of brochures, films, etc.** Specify exactly what is planned (subject matter, number of copies, distribution to whom). Target audience to be precisely defined and justified. Note that all such material charged to LIFE must bear a clear reference to LIFE financial support (including the LIFE logo) to be considered eligible for reimbursement and that one copy of each product must be annexed to the progress/intermediate report or final report..
  - **Technical publications on project:** If already known, indicate in which journal. Such publications must acknowledge the Community financial support (including the LIFE logos).
  - **Visitor access:** What will be done? Where? How will it contribute to the objectives of the project? Describe final output.

+ ***The beneficiary is under the obligation to erect and maintain notice boards describing the project at strategic places accessible to the public. The LIFE logo should always appear on them.***

+ ***The beneficiary is under the obligation to include in newly-created or existing WEB site the main project results (e.g. summary and detailed activity reports, etc.). The relevant INTERNET web address should be included in the project reports.***

+ ***The beneficiary is under obligation to produce a layman's report in paper and electronic format at the end of the project. It shall be 5-10 pages long and presented in English and in the beneficiary's language (optional).***

+ ***The beneficiary is under the obligation to produce an "After-LIFE Communication Plan" in paper and electronic format at the end of the project, presented in English and in the beneficiary's language (optional). It shall set out how you plan to continue disseminating and communicating your results after the end of the project, and indicate what external support could be helpful. A separate action for this plan should be proposed (this action should not generate any additional costs for the project)."***

+ ***Please, pay special care in choosing the technologies, consumables and equipment necessary for the production of the awareness-raising material. Environmentally-friendly products/technologies should be favoured.***

36. **FORMS T3 and T4.** Information given will be used to assess the proposal against the Award Criteria (Application Guide Part II, Point V). Reference should be made to the appropriate documents, in particular, the Guidelines (see Part I), the Environment Technologies Action Plan (ETAP) http://europa.eu.int/comm/environment/etap/etap.htm and the Sixth Environment Action Plan http://europa.eu.int/comm/environment/newprg/index.htm . Please note that bonus points may be awarded on the basis on information given under the heading "Added value of international approach and employment implications".

37. It is important to respect the maximum number of pages indicated for each subject. Failure to do so shall lead to the exclusion of the proposal from evaluation. In no case shall the technical proposal be longer than 30 pages.

5. DECLARATION FORMS OVERVIEW AND OTHER OBLIGATORY ANNEXES

FORM 1- DECLARATION OF TECHNICAL AND FINANCIAL COMMITMENT OF THE PARTNER(S)

FORM 2 – DECLARATION OF FINANCIAL COMMITMENT OF THE CO-FINANCER(S)

In the case of partnerships and/or co-financing from other sources of funding, the proposal must include, official, signed and dated declarations of the partners/co-financiers. In these declarations, the partners/co-financiers should clearly present their technical and financial commitment to the project. Please note the beneficiary's technical and financial commitment is declared in the Form A0 – Declaration of the Applicant.

For a private organisation (applicant only)

1) the profit and loss account and the balance sheet of the last financial year for which the accounts have been closed

2) where the EU contribution requested exceeds €300 000, an external audit report produced by an approved auditor. That report shall certify the accounts of the applicant for the last financial year available. In case the auditor has a doubt about the applicant's financial viability through the project period, his/her opinion in that respect should be explicitly expressed in the report.

Those organisations that declare their status as public must comply with the following criteria:

1/ The organisation has been created by a public authority or is officially recognised as an organisation of public interest. Note the 'public interest' must be explicitly mentioned in the relevant legal or administrative act/s.

2/ The internal procedures and accounts are submitted to control by a public authority (on a day to day basis).

3/ The organisation is financed totally or to a large extent (i.e. more than 50%) by public sources.

4/ In the event that the organisation stops its activities, all rights and obligations including financial, will be transferred to a public authority.

This means that only central and local public authorities and the structures that act on their behalf and under their full responsibility may be considered as public.

In the event that your organisation does not comply with any of the criteria mentioned above then it should be declared a private structure and should provide the necessary annexes.

Please note that proof may be requested at a later stage. Failure to deliver sufficient evidence will lead to a re-classification from public to private.

6. FINANCIAL FORMS OVERVIEW (note the forms are available in excel format in a separate document PARTIII finance)

38. The financial section consists of 13 forms. Amounts should be given to the nearest whole euro:

Form F0	Project funding and budget breakdown
Form F1	Other sources of funding summary Partners / Co-financers
Form F2a Form F2b	Budget breakdown per task Cost breakdown for actions in tasks
Form F3	Direct personnel costs
Form F4	Travel and subsistence costs
Form F5	External assistance costs
Form F6	Infrastructure costs
Form F7	Equipment costs
Form F8	Prototype costs
Form F9	ONLY FOR LIFE NATURE (Land purchase)
Form F10	Costs for Consumable materials
Form F11	Other costs

39. **Form F0** summarises the financial picture of the project with an overview of the financial plan and the budget breakdown for the project as a whole.

40. **Participants contribution:** Do not include funding obtained from other public or private sources in the "own contribution" line. Do not include costs which are to be provided "in kind", i.e. for which there is no cash-flow foreseen.

41. **Important note on the eligibility of costs:**

The proposal must present only costs which are eligible for LIFE funding, according to Articles 21 and 22 of the Common Provisions With regard to the Categories Equipment and Infrastructure the actual cost should be entered in the column Total Costs. Please note that only the depreciated costs are eligible for funding in accordance with Article 21.6 Common Provisions. These depreciated costs are referred to as **eligible costs** in the forms. The Community contribution will be calculated on the basis of the **eligible costs**. The eligible costs are different from the real costs only for 2 categories:

42. **Infrastructure**: 25 % of real cost is eligible.

Equipment: 50 % of real cost is eligible.

- **In the Forms both the total actual cost and the eligible cost must be presented.**
- For financial reporting, in the event that the proposal is selected, the beneficiary/partner will apply his internal accounting standard to calculate the depreciated eligible amount, taking into account the date of purchase, the duration of the project and the rate of actual use for the purposes of the project. This depreciated amount cannot be above the ceiling of 25% of the real cost for infrastructure and 50% of the real cost for equipment.

43. **Form F1** relates to the funding of the project by the partner/s and/or co-financer/s. i.e. should not include the beneficiary's funding nor the EU contribution requested. Status of financial commitment must be given. Partner/Co-Financer n° should be as given in the A2/A3 form(s). Information should be coherent with that given in the Partner/Co-Financer Declaration(s).

44. **Form F2a** presents the budget breakdown per category of expenditure and per task. Task ID should be as given in the Forms T1 Task Summary and T2a/b.

45. **Form F2b** presents the budget breakdown of actions per task. Actions should be as given in the Forms T1 Task Summary and T2a/b.

46. **Forms F3 to F11** present the cost breakdown in the different categories of expenditure.

47. Particular attention should be given to the coherency of the presented costs, especially where totals are carried over from Forms F3 to F11 to the summary forms (F0 and F2a/b).

48. **Remember that all costs must be given in Euro, must exclude recoverable value-added tax (VAT)** and should be given to the nearest whole Euro..

The following comments refer to the individual Forms

Form FO

For information on the different budget categories please refer to Article 21 of the Common Provisions attached to the model Grant Agreement (Annex 1 Part II). With regard to the category **Overheads**, please note that no individual form is provided as costs may be presented up to a maximum of 7% of the total direct eligible costs.

With regard to the Contribution information requested please note:

Requested Community contribution: specify the amount of financial Community contribution requested in accordance with Article 20 of the Common Provisions .

Beneficiary own contribution: Specify the amount of financial contribution provided by the beneficiary.

Participants contribution: Specify the amount of the financial contribution of participants (partner, co-financers) in the project.

Partners own contribution: The amount is calculated from the financial contributions of the individual partners as indicated in the form F1. Important: do not include funding obtained from other sources in the own contribution.

Other sources of funding: The amount is calculated from the financial contributions as indicated in the form F1 of all co-financing organisations to one or more of the project participants.

Form F1

Source of funding summary: Please use the Partner/Co-financer number given in the A2/A3 forms; reference needs to be made to the official co-financiers' declarations; indicate status of commitment: Yes or To be confirmed (TBC).

Form F2a/b

Use Task ID given in the Technical Task Forms (T1 and T2a/b) – information should be coherent with the technical forms

Form F3 - Personnel

Indicate the exact legal denomination of the type of contract: (permanent/service contract etc)

Category: You should identify each category or grade in a clear and unambiguous manner to enable the European Commission to monitor the labour resources allocated to the Project, to analyse cost claims and to carry out audits.

You may charge only technical and specialised staff; administrative and secretarial staff may not be charged directly but can be included in the overheads, except when the tasks outlined in the project justify a significant, continuous allocation of administrative or secretarial staff. Examples of staff categories are: project manager, senior engineer, technician/worker, etc.

Daily rate: (to the nearest whole Euro)

The daily rate charged for this category of personnel should be calculated on the basis of the actual gross salary or wages plus obligatory social charges but excluding any other costs., Salary for a category may be based on average rates if they fairly reflect the grades working on the project. In either case, the average must reasonably reflect the cost of personnel on the project.

A full-time employee contributes 12 man-months per year. The personnel costs per year for this employee therefore normally amount to: 12 x (the number of productive hours per month) x (the personnel costs per hour).
In order to obtain an hourly rate, the total productive personnel costs have to be divided by the total productive hours. Total productive hours can be obtained either from time sheets or from summaries of time records, or on the basis of the total workable hours according to the employment contract, less a certain provision for non-chargeable time such as sickness, holidays, etc. In the latter case, an example for determining the total productive hours per year could be as follows:

Days/year	365 days	
Less 52 weekends	104 days	
Subtotal	261 days	
Less:		
Annual holidays	21 days	
Statutory holidays	15 days	
Illness/other	15 days	51 days
Total = Productive days	210 days	

Productive hours/year (210 days x 7 hrs/day)	1470 hrs
Productive hours/year (210 days x 7.5 hrs/day)	1575 hrs
Productive hours/year (210 days x 8 hrs/day)	1680 hrs.

As a general rule, no overtime may be charged to Commission projects, unless this element has also been taken into account in the calculation of the total productive hours, or this is reimbursed specifically by the organisation.
Total number of person days: (precision 1 day) the total number of productive days allocated to the project should be based on a calculation of productive days = days per year less weekends, holidays, sickness provision.

Number of person months: (precision 0.1) is obtained by dividing the total number of person days by the number of productive days per month.
Direct personnel costs: (precision 1 €) equals the total number of person days of a given category times the daily rate.
% of Total personnel costs for project: (precision 0.1 %) – calculated automatically

Form F4 Travel
Details on travel foreseen by the different participants. You may use more than one line for the description of the reason for travel or destination if necessary. Clear descriptions should be given.
Destination: Specify the country and city name. If applicable, for repetitive visits to the project area, write 'project area'.
[1]Outside Europe: Indicate 'Yes' if the destination lies outside the European Union
Reason for travel: Specify the reason for travel. Examples: 'dissemination event', 'technical co-ordination meeting', 'project area visit'. Note: the cost of participation in a conference is only considered eligible if the project is presented at the conference. Participation in conferences is limited to maximum two persons of the project team. Subscription fees to conferences or events should be declared under other costs. Costs maybe presented grouped: e.g. the total of all technical co-ordination meetings.
Travel costs: Travel costs shall be charged in accordance with the internal rules of the beneficiary or partner. Beneficiaries and partners should endeavour to travel in the most economical and environmentally friendly way.
Subsistence costs: Specify costs such as daily allowances, hotel costs, meals etc.

Form F5 External assistance:
Details on the sub-contracts foreseen by the different participants. You may use more than one line for the description of the subcontract if necessary. A clear description of the service should be given. .
Provider / procedure: Specify the legal name of the service provider (should he already be known). Specify the procedure followed or foreseen to sub-contract to the provider, e.g. 'public tender', 'direct treaty', 'framework agreement', etc. Important: beneficiary and partners can not sub-contract services to one another or internally (e.g. between departments or affiliates). Subcontracts must be awarded by a public beneficiary/partner(s) in accordance with the applicable rules on public tendering and in conformity with Community Directives on public tendering procedures.

The private beneficiary/partner shall invite competitive tenders from potential subcontractors and award the contract to the bid offering best value for money; in doing so it shall observe the principles of transparency and equal treatment of potential subcontractors and shall take care to avoid any conflict of interests.

Description: Give a clear description of the subject of the subcontract/service to be provided.. E.g. 'construction of …', 'carry out impact assessment', 'maintenance of …', 'renting of …', 'consultancy on …', 'web page development', 'dissemination event organisation', etc. Important: Costs related to the purchase or leasing (as opposed to renting) of equipment, infrastructure or consumables supplied under subcontract are not to be charged on the budget post for external assistance. These costs should be declared separately under the appropriate budget headings.

Form F6 Infrastructure:
Supplier / procedure: Specify the legal name of the supplier (should he already be known). Specify the procedure followed or foreseen to select the supplier, e.g. 'public tender', 'direct treaty', 'framework agreement', etc. Important: beneficiary and partners can not sub-contract to one another or internally (e.g. between departments or affiliations). Subcontracts must be awarded by a public beneficiary/partner(s) in accordance with the applicable rules on public tendering and in conformity with Community Directives on public tendering procedures.

The private beneficiary/partner shall invite competitive tenders from potential subcontractors and award the contract to the bid offering best value for money; in doing so it shall observe the principles of transparency and equal treatment of potential subcontractors and shall take care to avoid any conflict of interests.

Description: Give a clear description and breakdown of the infrastructure per cost item , e.g. 'supporting steel construction', 'foundation of installation', 'piping', etc. Important: investments in major infrastructures or investments of a non-innovative structural nature, possibly related to activities already confirmed on an industrial or wider scale are considered ineligible
Real Costs: Indicate the full cost of the infrastructure. Important: Do not apply any depreciation.
Eligible costs: Infrastructure costs for preparing the budget are considered eligible for **25%** of their full real costs. Do not apply any other depreciation.Use the calculation indicated.

Form F7 Equipment costs:
Supplier/ procedure: as for Infrastructure
Description: Give a clear description of each item e.g. 'computer', 'database software', 'steering software (off-the-shelf or developed under sub-contract), ', 'measurement equipment, 'scrubber', etc. Important: Equipment acquired for the project can only be considered eligible when it is considered to contribute to the innovative and/or demonstration aspects of the project.

Real Costs: Indicate the full cost of the equipment. Important: Do not apply any depreciation.
Eligible costs: Equipment costs for preparing the budget are considered eligible for **50%** of their full real costs. Do not apply any other depreciation. Use the calculation indicated.

Form F8 Prototype costs:
Supplier / procedure: as for Infrastructure/Equipment
Description: Give a clear description of the prototype. Important: Prototypes acquired under the project can only be considered eligible when they are considered essential to the innovative and/or demonstration aspects of the project. See Common Provisions for definition of prototype.
Costs: Give the costs of the prototype. Important: Prototype cost are considered as 100% eligible, therefore do not apply any depreciation.

Form F9 Land Purchase : NOT APPLICABLE FOR LIFE-ENV

Form F10 Consumable materials' costs:
Supplier / procedure: as above if applicable
Description: Give a clear description of the consumable materials, e.g. raw materials, dissemination leaflets, etc. Important: Consumables are specifically related to the project implementation (general consumables/supplies, such as telephone, communication costs, heating, paper, copies, etc. should be charged to the overhead cost category). Should the project entail an important dissemination activity in which mailing or other forms of communications are implied, then the consumable costs may be declared. In general, dissemination material such as CD-ROMS, videos, etc. may be declared when linked to the dissemination activity, e.g. used for wide scale distribution.

F11 Other costs:
Supplier / procedure: as above if applicable
Description: Give a clear description of the other costs, e.g. costs related to the mandatory audit of the final project cost declaration by an independent, registered auditor; the costs related to the bank guarantee required for private beneficiaries; etc. Important: Do not declare overheads under this category.

7. Summary Forms

LIFE-Environment demonstration projects	Form S0. General Project Data	
EUROPEAN COMMISSION ENVIRONMENT DG	FOR COMMISSION USE ONLY	LIFE ENV/

PROJECT ACRONYM

Project title (English):

AGRICULTURAL DISTRICT OF THE RENEWABLE ENERGY (BIOLIFE)

Expected starting date: **November 2006** Expected ending date: **November 2009** Duration in months: **36 months**

PROJECT POLICY AREA

PG1		**Sustainable Land-use development and planning**			
PG1.1		Sustainable urban development	PG1.2		Air quality Management
	1.1.1	Development and promotion of sustainable urban transport plans for towns and cities		1.2.1	Innovative solutions for air pollution abatement
	1.1.2	Implementation of integrated urban environmental management in towns and cities		1.3	Other area
PG2		**Sustainable management of ground water and surface water management**			
	2.1	Impact of agricultural and forest practices on water quality		2.4	Flood prevention and control (river basin management)
	2.2	Improvements on wastewater management and treatment technologies		2.5	Other area
	2.3	Phasing out, cessation of discharges and emissions, and losses of hazardous substances			
PG3		**Minimising the environmental impact of economic activities**			
PG3.1		Clean technologies	PG3.2		Reduction of emissions of gases having a greenhouse effect
	3.1.1	Activities covered by the IPPC Directive	X	3.2.1	Development innovative techniques or methods that substantially and quantifiably reduce greenhouse gas emissions
	3.1.2	Support of activities addressing obstacles to the development of clean technologies not covered by IPPC		3.2.2	Innovative applications using renewable energy sources for local or small scale (<10MW) plants
				3.3	Other Area
PG4		**Waste management – prevention, reuse, recovering and recycling of waste**			
PG4.1		Waste prevention	PG4.3		Promotion of recycling
	4.1.1	Reduction in the amounts of waste through influencing production and/or consumption		4.3.1	Development of innovative systems for more efficient sorting of waste
	4.1.2	Reduction of risks associated with hazardous substances in products		4.3.2	Removal of technical barriers and/or demonstration of new uses of recycled materials
4.2		Reuse of products, part of products or extension of life cycles		4.4	Other area
	4.2.1	Demonstration of the acceptability of reuse systems in the market place			
	4.2.2	Design of innovative reuse systems which respond to existing market demands			
PG5		**Reducing the environmental impact of products and services**			
	5.1	Innovative environmental design of products and services		5.3	Other area
	5.2	Reducing environmental impacts during the use phase of products and services			

Please refer to the Guidelines for LIFE Environment projects (Part 1) when completing the policy area

LIFE-Environment demonstration projects	FORM S1. Benefitting Country(ies)/Region(s)	
EUROPEAN COMMISSION ENVIRONMENT DG	FOR COMMISSION USE ONLY	LIFE ENV/

The project will be implemented in the following countries/regions

	België-Belgique B
	Bruxelles-Brussel
	Région Wallonne
	V1aams Gewest
	Cyprus CY
	Kypros / Kibris
	Czech republic CZ
	Praha
	Stredni Cechy
	Jihozapad
	Severozapad
	Severovychod
	Jihovychod
	Stredni Morava
	Moravskoslezsko
	Danmark DK
	Århus amt
	Bomholms amt
	Frederiksborg amt
	Fyns amt
	Københavrt Og
	Frederiksberg
	Kommuner
	Københavns amt
	Nordjyllands amt
	Ribe amt
	Ringkobing amt
	Roskilde amt
	Sonderjyllands amt
	Storstrøms amt
	Vej1e amt
	Vestsjællands amt
	Viborg amt
	Deutschland D
	Baden-Württemberg
	Bayern
	Berlin
	Brandenburg
	Bremen
	Hamburg
	Hessen
	Mecklenburg-
	Vorpommem
	Niedersachsen
	Nordrhein-Westfalen
	Rheinland-Pfalz
	Saarland
	Sachsen
	Sachsen-Anhalt
	Schleswig-Holstein
	Thülringen
	Ellas GR
	Anatoliki Makedonia Thrak
	Attiki
	Dytiki Ellada
	Dytiki Makedonia
	Ionia Nisia
	Ipeiros
	Kentriki Makedonia
	Kriti
	Notio Aigaio
	Peloponnisos
	Sterea Ellada
	Thessalia
	Voreio Aigaio
	España E
	Andalucia
	Arag6n
	Asturias
	Baleares
	Canarias
	Cantabria
	Castilla-La Mancha
	Castilla-Le6n
	Cataluña
	Ceuta y Melilla
	Comunidad Valenciana
	Extremadura
	Galicia
	Madrid
	Murcia
	Navarra
	País Vasco
	Rioja
	Estonia EE
	Eesti
	Finland Suomi FIN
	Ahvenanmaa/Åland
	Etelä-Karjala
	Etelä-Pohjanmaa
	Etelä-Savo
	Häme
	Kainuu
	Keski-Pohjamnaa
	Keski-Suorni
	Kymenlaakso
	Lappi
	Päijät-Rime
	Pirkamnaa
	Pohjois-Karjala
	Pohjois-Pohjamnaa,
	Pohjois-Savo
	Satakunta
	Uusimaa
	Vaasan rannikkoseutu
	Varsinais-Suorni
	France F
	Alsace
	Aquitaine
	Auvergne
	Basse-Normandie
	Bourgogne
	Bretagne
	Centre
	Champagne-Ardennes
	Corse
	France-Comté
	Guadeloupe
	Guyane
	Haute-Normandie
	Île-de-France
	Languedoc-Roussillon
	Limousin
	Lorraine
	Martinique
	Midi-Pyrénées
	Nord-Pas-De-Calais
	Pays de la Loire
	Picardie
	Poitou-Charentes
	Provence-Alpes-Côte d'Azur
	Réunion
	Rhône-Alpes
	Hungary HU
	Kozep-Magyarorszag
	Kozep-Dunantul
	Nyugat-Dunantul
	Del-Dunantul
	Eszak-Magyarorszag
	Eszak-Alfold
	Del-Alfold
	Ireland IRL
	Donegal
	East
	Mid West
	Midlands
	North East
	North West (IRL)
	South East (IRL)
	South West (IRL)
	West
	Italia IT
	Abruzzi
	Basilicata
	Calabria
X	Campania,
	Emilia-Romagna
	Friuli-Venezia Giulia
	Lazio
	Liguria
	Lombardia
	Marche
	Molise
	Piemonte
	Puglia
	Sardegna
	Sicilia
	Toscana
	Trentino-Alto Adige
	Umbria
	Valle d'Aosta
	Veneto
	Latvia LV
	Latvija
	Lithuania LT
	Lietuva
	Luxembourg L
	Malta MT
	Malta
	Nederland NL
	Drenthe
	Flevoland
	Friesland
	Gelderland
	Groningen
	Limburg
	Noord-Brabant
	Noord-Holland
	Overijssel
	Utrecht
	Zeeland
	Zuid-Holland
	Österreich A
	Burgenland
	Kärnten
	Niederösterreich
	Oberösterreich
	Salzburg
	Steiemark
	Tirol
	Vorarlberg
	Wien

Poland PL	
	Dolnoslaskie
	Kujawsko-Pomorskie
	Lubelskie
	Lubuskie
	Lodzkie
	Malopolskie
	Mazowieckie
	Opolskie
	Podkarpackie
	Podlaskie
	Pomorskie
	Slaskie
	Swietokrzyskie
	Warminsko-Mazurskie
	Wielkopolskie
	Zachodniopomorskie
Portugal P	
	Açores
	Alentejo
	Algarve
	Centro
	Lisboa e vale do Tejo
	Madeira
	Norte
Romania RO	
Slovenia SI	
	Slovenija
Slovakia SK	
	Bratislavsky kraj
	Zapadne Slovensko
	Stredne Slovensko
	Vychodne Slovensko
Sverige S	
	Mellersta Norrland
	Norra Mellansverige
	Östra Mellansverige
	Övre Norrland
	Småland med Öarna
	Stockholm
	Sydsverige
	Västsverige
United Kingdom UK	
	East Anglia
	East Midlands
	Gibraltar
	North
	North West (UK)
	Northern Ireland
	Scotland
	South East (UK)
	South West (UK)
	Wales
	West Midlands
	Yorkshire and Humberside

LIFE-Environment demonstration projects	FORM S2A. Project Summary	
EUROPEAN COMMISSION ENVIRONMENT DG	FOR COMMISSION USE ONLY	LIFE ENV/

SUMMARY OF THE PROJECT IN ENGLISH +

Project title (precise translation of original title): AGRICULTURAL DISTRICT OF THE RENEWABLE ENERGY

Objectives (maximum 1000 characters)

The goal of the project is the definition of an innovative model of Agri-Energetic district in the province of Benevento oriented to the:

- reduction of carbon dioxide emissions and progressive energetic autonomy from fossil sources.
- promotion and spread of the Renewable Energetic Sources, and in particular of the biomass, for an eco-sustainability development of the district;

The use of biomass allows a remakable reduction of CO2 in the air as compared to a system of equal power using fossil fuel; the use of biomass as fuel does not produce an increase of CO2 in the atmosphere thus respecting the Kyoto protocol. The use of biomass is coherent to the objectives of the Sixth Community Environment Action Programme (Decision N.1600/2002)

Besides, the project intends to sensitize agricultural operators on the opportunities related to the use of agricultural waste and to the production of energetic colture.

The model provided will be able to be replicated and transfered in other contexts and will have an occupational impact: the agricultural SME will transform itself in agri-energetic SME through the production of biomass energy. This fact will increase their budget and will fight the abandonment phenomenon.

Actions and means involved (maximum 2000 characters)

The project is articulated in the following phases: Management and reporting to EC

- Screening of the provincial territory on the places of greater consumption of heat and cool energy
- Screening of the provincial territory on the catch basins of forest, agricultural and agro-industrial refuses
- Location of the areas potentially suitable and available to short rotation forestry
- Subdivision of the provincial territory in territorial cells and location of the optimal cell (agri-energetic district)
- Definition and installation of the module "plug and play" and equipment for the start-up of the module
- Collection and cultivation of the biomass
- Application of the technology and monitoring of the district
- Technical, economic, financial and social analysis of the district
- Communication and dissemination

The project provides the implementation of a system of a system for the production of thermal and cooling energy based on biomass obtained from the collection of agricultural waste and the cultivation of energy products. The device will be designed and implemented in such a manner as to be transported from the biomass storage site to the sites where the energy is needed (heating and cooling energy)

The machine in made up of two different sections:

- the thermal section used for the production of heating and hot water
- a cooling section : for the air conditioning of buildings.

Expected results (maximum 1000 characters)

The expected results of the project are:

- Reduction of the use of fossil fuels;
- Reduction of CO_2 emission in the air: the module plug and play will avoid to put in 165 ton/year of CO_2 in the atmosphere with benefits for the local environment.
- Promotion of the use of the "plug and play" module that produce about 660.000 kWh/year of energy
- Encourage the agricultural workers in exploiting the biomass
- Awake the local stakeholders on the issue of the reduction of CO_2
- The institution of an agri-energetic district where the diffusion of RES will allow to transform the agricultural SMEs in agri-energetic enterprises and to increase their annual budget using the multi-functionality in agriculture.
- Development of biomass technologies tested during the project
- Creation of an area of demonstration and promotion of innovation technologies in the field of biomass
- Employment increase in the district area involved in the project
- Transfer the agri-energetic model to the other sites (both national and European)

– MAXIMUM NUMBER OF CHARACTERS GIVEN MUST BE RESPECTED

8. Administrative Forms

LIFE-Environment demonstration projects	FORM A0 : Declaration of the applicant	
EUROPEAN COMMISSION ENVIRONMENT DG	FOR COMMISSION USE ONLY	LIFE ENV/

DECLARATION OF THE APPLICANT

The undersigned hereby certifies that:

1. This application or a similar one has not been or is not going to be funded by the Commission with funding within the framework of financial support or programmes other than LIFE.

2. The applicant has not been served with bankruptcy orders, nor has he/she received a formal summons from creditors. The applicant is not in one of the situations listed in Article 93.1 of EC Regulation 1605/2002 of 25/6/02 (OJ L248 of 16/9/02).

3. Where, in the case of funding by LIFE, one or more partners cancels or reduces his/her financial participation, the applicant will guarantee the total financial cover for the project.

4. Should the proposal be accepted, then the applicant will conclude with the partners/co-financiers, any agreements necessary to the completion of the work, provided these do not infringe on their obligations, as stated in the decision of the Commission. Such agreements should describe clearly the tasks to be performed by each partner and define the financial arrangements.

I am in the legal position to sign this statement on behalf of my/our company/institute.

I specifically declare that I have carefully read the Common Provisions attached to the model Grant Agreement, annexed to the LIFE-Environment application file.

I certify, to the best of my/our knowledge that the statements made in this application are true, and the information provided is correct.

PROVINCIA DI BENEVENTO

Signed[1] : IL PRESIDENTE On. Carmine Nardone

In Benvento on 28/09/2005

Name and status of signatory

On. Carmine Nardone, President of Province of Benevento

LIFE-Environment demonstration projects	FORM A1. Beneficiary Profile	
EUROPEAN COMMISSION ENVIRONMENT DG	FOR COMMISSION USE ONLY	LIFE ENV/

Project Acronym	BioLife	

A1. Beneficiary Profile Information

Short Name [2]	Province	Participant No	1

Legal information

Legal Name [3]	Province of Benevento	Legal Status [4]	
VAT No [5]		Private structure	
Legal Registration No [6]		Public body	X
Date of Registration:			

Legal address of the beneficiary

Street Name and No	Piazza Castello – Rocca dei Rettori	PO Box	
Post Code	82100	Town/City	Benevento
Country Code [7]	0039	Country Name	Italy

Beneficiary contact person (complete only on differences)

Title [8]	Dr	Function [9]	Director of Energy and Mobility Sector
Family Name	Romano	First Name	Giovanna
Department / Service Name [10]	European Office of the Province of Benevento		
Street Name and No	Via Santa Colomba	PO Box	
Post Code	82100	Town/City	Benevento
Country	Italy		
Telephone No	0039 0824 774468/69	Fax No	0039 0824 978900
E-mail	ufficioeuropa@provinciabenevento.it	Website	www.provincia.benevento.it

Address of the main department of the beneficiary carrying out the project (complete only on differences)

Street Name and No		PO Box	
Post Code		Town/City	
Country			
Department /Service Name			

Beneficiary details

Year [11]			
Annual turnover [12]		Annual Balance Sheet Total [13]	
Number of employees [14]	534		
Number of employees in department conducting project [15]	4		
Is your organisation independent [16] (Yes or No)	YES		
If No, please indicate legal name(s) of owner(s) who own 25 % or more [17]			
Is your organisation affiliated to any other participant(s) in the project? [18] (Yes or No)			
If Yes, please indicate participant short name(s) and character of affiliations(s) [19]			

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FOR COMMISSION USE ONLY | LIFE ENV/

Project Acronym	BioLife	

A2. Partner Profile Information

Short Name [2]	Foundation	Participant No	2

Legal information

Legal Name [3]	Lee Iacocca Foundation	Legal Status [4]	
VAT No [5]	01331660629	Private structure	X
Legal Registration No [6]	No. 239/2004 (Foundations Register)	Public body	

Street Name and No	Via Roma n.60	PO Box	
Post Code	80029	Town/City	San Marco dei Cavoti
Country Code [20]	0039	Country Name	Italy

Partner contact person information (complete only on differences)

Title [8]	Dr	Function [9]	Director
Family Name	Fuschetto	First Name	Luigi
Department / Service Name [10]			
Street Name and No	Via Roma n.60	PO Box	
Post Code	80029	Town/City	San Marco dei Cavoti
Country	Italy		
Telephone No		Fax No	
E-mail		Website	

Address of the main department of the partner carrying out the project (complete only on differences)

Street Name and No		PO Box	
Post Code		Town/City	
Country			
Department /Service Name			

Partner details (private structures only) [21]

Year [11]	2004		
Annual turnover [12]	N/A	Annual Balance Sheet Total [22]	164.328,47
Number of employees [14]			
Number of employees in department conducting project [15]			
Is your organisation independent (Yes or No) [16]	YES		
If No, please indicate legal name(s) of owner(s) who own 25 % or more [17]			
Is your organisation affiliated to any other participant(s) in the project? (Yes or No)[18]	NO		
If Yes, please indicate participant short name(s) and character of affiliations(s) [19]			

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Project Acronym	BioLife	

A2. Partner Profile Information

Short Name [2]	SPS	Participant No	3

Legal information

Legal Name [3]	Sistemi Prodotti per lo Sviluppo Sostenibile Italia (SPS Italia)	Legal Status [4]	
VAT No [5]	06479231000	Private structure	X
Legal Registration No [6]	08312750584	Public body	

Street Name and No	Via Sant'Erasmo n. 12		PO Box	
Post Code	00184	Town/City	Roma	
Country Code [23]	0039	Country Name	Italy	

Partner contact person information (complete only on differences)

Title [8]	Dr	Function [9]	Managing Director		
Family Name	Suraci		First Name	Vincenzo	
Department / Service Name [10]	Management				
Street Name and No	Via Sant'Erasmo n.12		PO Box		
Post Code	00184	Town/City			
Country	Italy				
Telephone No	0039 0645439628	Fax No	0039 0697270381		
E-mail	vincenzo.suraci@italiasps.it	Website	www.spsitaliasrl.it		

Address of the main department of the partner carrying out the project (complete only on differences)

Street Name and No		PO Box	
Post Code	Town/City		
Country			
Department /Service Name			

Partner details (private structures only) [24]

Year [11]	2004		
Annual turnover [12]	305.000	Annual Balance Sheet Total [25]	170.000,00€
Number of employees [14]	7		
Number of employees in department conducting project [15]	4		
Is your organisation independent (Yes or No) [16]	YES		
If No, please indicate legal name(s) of owner(s) who own 25 % or more [17]			
Is your organisation affiliated to any other participant(s) in the project? (Yes or No)[18]	NO		
If Yes, please indicate participant short name(s) and character of affiliations(s) [19]			

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Project Acronym	BioLife	

A2. Partner Profile Information

Short Name [2]	Soluzioni	Participant No	4

Legal information

Legal Name [3]	Soluzioni Società Cooperativa	Legal Status [4]	
VAT No [5]	00779440627	Private structure	X
Legal Registration No [6]	00779440627	Public body	

Street Name and No	Via Alcide De Gasperi n. 44	PO Box	
Post Code	82018	Town/City	San Giorgio del Sannio (BN)
Country Code [26]	I	Country Name	Italy

Partner contact person information (complete only on differences)

Title [8]	Dr	Function [9]	Board Chairman
Family Name	Raffa	First Name	Michele
Department / Service Name [10]	Chairmanship		
Street Name and No	Via Alcide De Gasperi n. 44	PO Box	
Post Code	82018	Town/City	San Giorgio del Sannio (BN)
Country	Italy		
Telephone No	0824 58394	Fax No	0824 58549
E-mail	m.raffa@soluzioni-net.it	Website	www.soluzioni-net.it

Address of the main department of the partner carrying out the project (complete only on differences)

Street Name and No		PO Box	
Post Code		Town/City	
Country			
Department /Service Name			

Partner details (private structures only) [27]

Year [11]	2004		
Annual turnover [12]	424.973,00	Annual Balance Sheet Total [28]	1.160.929,00
Number of employees [14]	1		
Number of employees in department conducting project [15]	1		
Is your organisation independent (Yes or No) [16]	Si		
If No, please indicate legal name(s) of owner(s) who own 25 % or more [17]			
Is your organisation affiliated to any other participant(s) in the project? (Yes or No)[18]			
If Yes, please indicate participant short name(s) and character of affiliations(s) [19]			

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Project Acronym	BioLife		
A2. Partner Profile Information			
Short Name [2]	GIERRET	**Participant No**	5
Legal information			
Legal Name [3]	Gestione Impianti Energie Rinnovabili Risparmio Energetico e Teleriscaldamento (GIERRET) SRL	**Legal Status** [4]	
VAT No [5]	**01269320626**	**Private structure**	X
Legal Registration No [6]	**01269320626**	**Public body**	

Street Name and No	Via Alcide De Gasperi n. 44	**PO Box**	
Post Code	82018	**Town/City**	San Giorgio del Sannio (BN)
Country Code [29]	I	**Country Name**	Italy

Partner contact person information (complete only on differences)

Title [8]	Director	**Function** [9]	Sole Director
Family Name	Iacono	**First Name**	Vittorio
Department / Service Name [10]	Administration		
Street Name and No	Via Alcide De Gasperi n. 44	**PO Box**	
Post Code	82018	**Town/City**	San Giorgio del Sannio (BN)
Country	Italy		
Telephone No	0824 58394	**Fax No**	0824 58549
E-mail	info@gierret.it	**Website**	www.gierret.it

Address of the main department of the partner carrying out the project (complete only on differences)

Street Name and No	Via Alcide De Gasperi n. 34	**PO Box**	
Post Code	82018	**Town/City**	San Giorgio del Sannio (BN)
Country	Italy		
Department /Service Name	Technical Service		

Partner details (private structures only) [30]

Year [11]	2004		
Annual turnover [12]	1.052.370,00	**Annual Balance Sheet Total** [31]	1.239.870
Number of employees [14]	6		
Number of employees in department conducting project [15]	1		
Is your organisation independent (Yes or No) [16]	**No**		
If No, please indicate legal name(s) of owner(s) who own 25 % or more [17]	Fen Energia Spa Ets Srl		
Is your organisation affiliated to any other participant(s) in the project? (Yes or No) [18]	**No**		
If Yes, please indicate participant short name(s) and character of affiliations(s) [19]			

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Project Acronym		

A3. Co-financier Profile Information

Short Name		Participant No	

Legal information

Legal Name [3]		Legal Status [4]	
VAT No [5]		Private structure	
Legal Registration No [6]		Public body	

Legal address of the co-financier

PO Box			
Street Name and No			
Post Code			
Town/City			
Country Code [32]		Country Name	

Co-financier contact person (complete only on differences)

Title [8]		Function [9]	
Family Name		First Name	
Department / Service Name [10]			
Street Name and No		PO Box	
Post Code		Town/City	
Country			
Telephone No		Fax No	
E-mail		Website	

Funding details

	Participant No	Participant Short name
Co-financed participant(s)		
Funding confirmed (Yes or To be confirmed) [33]		
Comments		

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9. Technical Proposal Forms

LIFE-Environment demonstration projects	FORM T0	
EUROPEAN COMMISSION ENVIRONMENT DG	FOR COMMISSION USE ONLY	LIFE ENV/

Project Acronym	BioLife	

TECHNICAL DESCRIPTION OF THE PROJECT | Page 1 of max 2

General technical description

The object of the project is to realize a system of production of cool and heat energy from the biomass obtained through the picking and making of the agricultural waste and the cultivation of energetic breeding.

The innovative character of the project is the transportability of the system. The project intends to create a system completely autonomous: the biomass are produced and used in the territory of the province of Benevento. The system allows a considerable reduction of carbon dioxide put in the air in comparison with a same power plant fed by fossil fuels; the use of biomass as fuel involves a null increase of carbon dioxide in the atmosphere contributing to the respect of the Kyoto Protocol.

The plant will be able to be transportable near the places of major consumption identified in the phase of analysis

Description of the plant

The plan will be composed by two different sections:

- the heat section used for the production of the heat destined to the heating of the structures and to the production of sanitary hot-water
- the cool section used for the production of the cold destined to the refrigerating of the surroundings

Thermic section

The thermic section of the plant will be constituted by two container containing:

- a boiler 400 KW model KOB – PYROT fed by biomass
- a system of alimentation and drying of the woodchips that feed the boiler
- una caldaia da 400 kW modello KOB serie PYROT alimentata a biomasse

The modules will have the size of the classic container used for the carrier of goods ensuring an easy handling (Plug and Play) in the territory of the province and so they can be placed easily and installed near the structure to feed. One of the advantages of this system is the rapid installation near the consumers to serve. It will be sufficient the link to the electric system and to the distribution system of the thermo-vector fluid in order to supply heat to the structure. Depending on the amount of heat to supply to the users, it will be installed more modules.

Refrigerating section

The refrigerating section of the palnt will be constituted by two containers includine:
absorption plant 400 kW. The Adsorption Chiller contains only water as a refrigerant and a proprietary, permanent silica gel as an adsorbent. The evaporator section cools the chilled water by the refrigerant (water) being evaporated by adsorption of the silica gel in one of two adsorbent chambers. It can produce chilled water temperatures of less than 3°C with hot water temperatures ranging from 85°C to as low as 55°C. The hot water regenerates the silica gel in the second of the two adsorbent chambers. The water vapor released from the silica gel by the hot water will be condensed in the condenser section which is cooled by a cooling water, such as, from a cooling tower.

The evaporation tower will be connected to the "modules boiler": the absorption plant transforms the heat energy supplied by the boiler in refrigerating energy to cool the structure.

Storage of the woodchips

The project also takes account the plant that, through the grinding, transforms the biomass in woodchips in the size requested for an optimal working of the boiler.

Organisational description

PROVINCE OF BENEVENTO

The PROVINCE OF BENEVENTO is a public body. The Province of Benevento, conforming to the principles and contents of the European Chart of the Local Autonomies, is an independent body within the principles established by the Constitution, by the Republic Laws and according to the regulation of the Province Statute. It is constituted by nine sector: Citizens Service, Human Resources, Finance and Audit, Labour Policies, Lawyer Service, Infrastructure, Energy and Mobility, Building and Resources, Territorial Planning, Agriculture. The objective of the province is to promote development and civil, cultural, economic and social progress in its community, to satisfy needs and necessities, inspiring to the principles of cooperation and subsidiary with the EU, the State, the Region and the local bodies and ensuring the widest participation of citizens to the activities of the body.

The Province of Benevento, through the European Office, carries out the activities of information and guidance about EC policies, training, planning and management of EU projects, promotion and management of partnerships, national and international.
The Province of Benevento has obtained funds from UE for the project "ASEA" (Creation of Four New Agency for Energy) within the Programme EIE (number of project: 05/130A).

LEE IACOCCA FOUNDATION
LEE IACOCCA FOUNDATION is founded in 2002 and is constituted by four partners: Region of Campania, Province of Benevento, Municipality of San Marco dei Cavoti, University of Sannio. The Foundation has not profit. The purpose of Foundation is the promotion, the diffusion, the guidance, the training and the practice of enterprises culture as a principal factor of local development. The Foundation intends to contribute to general raising of the social-economic and cultural system of the Southern Italy through the planning, organization and management of the training activities related to new needs in the business management sector and, more in general, of the territory. The Foundation promotes initiatives directed to exploit the local resources present in the Southern Italy, and in particular in the Province of Benevento.
Lee Iacocca Foundation has participated to another project founded by the EC:
– "Comment" VS/2003/0384 – Art.6 ESF Local Strategy for Employment and Innovation (B2-1630)

SOLUZIONI SCRL
SOLUZIONI is a mutual company founded in 1986 that carries out the following activities: business management advice, advice and assistance in environment and sustainable development subjects, market research, accounting, administrative and fiscal advice, training, regulations advice and community planning, advice to public body, planning and implementation of quality system, internationalization of SME.
The company has obtained funds from UE for the following projects:
– Equal Project: Building Capacity and requalification of commercial/industrial sectors–Code DP IT–G2-CAM-039.
– Equal Project: Women, Media and Institutions - Code DP IT – G2-CAM-039

GIERRET SRL
GIERRET is a limited company founded in 2002 by Fen Energia spa and ETS srl. They are partner of Fortore Energia that is carrying out an investment programme in Puglia and Campania and is promoting the production of renewable energy as a starting point for a sustainable and integrated development of the territory. Gierret is an engineering company that carries out the activities of planning, realization, installation and management of plants for production of energy from renewable sources. Besides it works as ESCO in the energy saving projects.
Gierret srl has never obtained funds from UE for other projects.

SPS ITALIA SRL
SPS Italia is a limited company that works in the sector of the Renewable Energy from 1988. It is divided in the following sectors: Training, Wind, Biomass, Environmental and Energy Plan, Communication Project, ICT Project. The company carries out the following activities: studies, planning, implementation, management, maintenance, marketing, training on energetic systems powered by RES and on energetic systems that use innovative technologies. In the sector of Biomass, the company carries out the following activities: Feasibility Studies on biomass plants for small and medium scale, preliminary and executive planning, analysis of producibility, direction of works and tests, planning of exercise and maintenance plans.
The company has obtained funds from UE for the following project: Fare Impresa Sociale nell'Ambito delle Energie Rinnovabili (Creating social business within the Renewable Energy)- EQUAL Action 1- IT-S-MDL – 216.

LIFE-Environment demonstration projects	FORM T1.Tasks Summary	
EUROPEAN COMMISSION ENVIRONMENT DG	FOR COMMISSION USE ONLY	LIFE ENV/

Project Acronym BioLife

Task ID[34]	Task Title[35]	Start Date[36]	End Date[37]	Actions[38]	Deliverables[39]
1	Management and reporting to EC	**30/10/2006**	30/10/2009	• First meeting • Constitution of the piloting committee • Constitution of the technical committee • Definition of the work plan • Monitoring and evaluation meetings (every 6 months) • Monitoring of the produced materials • Writing of the documents requested by the EC	• Report of the first meeting • Work Plan • Reports of the periodic meetings
2	Screening of the provincial territory on the places of greater consumption of heat and cool energy	**01/12/2006**	31/01/2007	• Definition of the typology of users (public, private and particular) • Screening of the existing plants • Subdivision of the users on the base of the typology of fuels • Evaluation of the fuel consumption • Definition of the working period of the plants • Count of the energetic demand • Subdivision of the territory in energetic basins of first level • Elaboration of a territorial energetic map of first level	• Consumption Database • Report of the main users • Map of first level
3	Screening of the provincial territory on the catch basins of forest, agricultural and agro-industrial refuses	**01/01/2007**	28/02/2007	• Location of the agrarian and forest surface • Research on desk on the agricultural productions of greater interest for the project • Evaluation of the amounts of agro-industrial residuals • Evaluation of the forest residuals • Subdivision of the territory in energetic basins of second level • Elaboration of a territorial energetic map of second level	• Database of the places of greater production of residuals • Report of the results obtained • Map of II level

4	Location of the areas potentially suitable and available to short rotation forestry	**01/02/2007**	31/03/2007	• Evaluation of the morphologic characteristics of the areas of the province of Benevento • Location of the energetic cultures compatible with the environment conditions • Choice of the supplier of the energetic cultures • Contacts with the agricultural organizations • Elaboration of a territorial energetic map of third level	• Database of the available places • Geologic report • Technical report and map of III level
5	Subdivision of the provincial territory in territorial cells and location of the optimal cell (agri-energetic district)	01/03/2007	30/04/2007	• Overlap of the map of I,II and III levels • Location of the cells • Definition of the optimal cell • Location in the optimal cell of the site of biomass production and warehousing	• Map with the optimal cell
6	Definition and installation of the module "plug and play" and equipment for the start-up of the module	**01/05/2008**	31/05/2008	• Choice of the power of the plant • Preliminary, definitive and executive project of the layout of the module • Realisation of the module • Equipment of the users	• Preliminary project • Definitive project • Executive project
7	Collection and cultivation of the biomass	**01/05/2007**	31/12/2008	• Picking of the residuals • Compaction of the residuals in loco • Warehousing of the residuals • Preparation of the land • Graft of the scion • Maintenance of the culture • Picking in loco • Transport	• Technical report on the catched amounts and on the performance

8	Application of the technology and monitoring of the district	**01/04/2008**	30/05/2009	• Start-up of the module • Monitoring of the module • Accounting of heat and cool energy • Consumption accounting • Evaluation of the module working • Writing of the ordinary maintenance plan	• Ordinary Maintenance Plan and management of the module • Book of fuel consumption • Book of the produced heat and cool energy
9	Technical, economic, financial and social analysis of the district	**01/05/2009**	31/08/2009	• Socio-economic analysis and elaboration of the development model	• Document of development model
10	Communication and dissemination	**30/10/2006**	30/10/2009	• Press conference • Planning and implementation of a project dedicated web site • Organization of three conferences (local, national and international). • Information panels in the places of the project • Realization of guidelines and cd-rom • Organization of four guided visits • Informative branch • Advertising on media • Layman's report • After Life Plan	• Informative Panels • Layman's report • Guidelines • Cd-rom

Maximum number of tasks - 10

LIFE-Environment demonstration projects	FORM T2a. Tasks Form	
EUROPEAN COMMISSION ENVIRONMENT DG	FOR COMMISSION USE ONLY	LIFE ENV/

Project Acronym	BioLife	T2a - Task Form	Page 1 of maximum 10 (1 task per page)
Task ID[40]	1	Task Title[41]	Management and reporting to EC

Objectives

The objectives of this task are strictly technical and oriented to the good management of the project. Therefore it will provide a management structure that is able to ensure, in an efficient way, the achievement of the results in the respect of the administrative procedure.

DESCRIPTION : Actions - Participants' responsibilities - Methods - Progress Indicators – Expected results - Targets - Constraints and Assumptions[42]

Actions

- First meeting
- Constitution of the piloting committee
- Constitution of the technical committee
- Definition of the work plan
- Monitoring and evaluation meetings (every 6 months)
- Monitoring of the produced materials
- Writing of the documents requested by the EC

Participant's responsibilities:

The Province of Benevento – Energy and Mobility Sector – carries out, through the European Office, the activities of this task.

Methods

Sharing of the working method and optimization of the professional competence. Use of specific questionnaire to know the satisfaction rate of the partners. Comparison and sharing of all the partners in the decision processes.

Progress Indicators

Number of participants in the meetings
Number of filled questionnaire
Results of questionnaire
Respect of the established time-table

Expected results

The expected results are: respect of the project time-table, sharing and active participation of all the partner in the decision process and achievement of the project objectives.

Targets

The responsible of this task will assure the respect of the project timetable and the implementation of the activities.

Constraints and Assumption

The management and reporting task has to ensure the correct information flow among the partners.

LIFE-Environment demonstration projects	FORM T2a. Tasks Form	
EUROPEAN COMMISSION ENVIRONMENT DG	FOR COMMISSION USE ONLY	LIFE ENV/

Project Acronym	BioLife	T2a - Task Form	Page 1 of maximum 10 (1 task per page)
Task ID[43] 2	Task Title[44]	Screening of the provincial territory on the places of greater consumption of heat and cool energy	

Objectives

The objective of this task is the evaluation of the consumption of heat and cool energy in the territory of the province of Benevento in order to define the energetic basins (First level based on the consumption). This task is very important because the main users will be defined through the analysis of the consumptions.

DESCRIPTION : Actions - Participants' responsibilities - Methods - Progress Indicators – Expected results - Targets - Constraints and Assumptions[45]

Actions

- Definition of the typology of users (public, private and particular)
- Screening of the existing plants
- Subdivision of the users on the base of the typology of fuels
- Evaluation of the fuel consumption
- Definition of the working period of the plants
- Count of the energetic demand
- Subdivision of the territory in energetic basins of first level
- Elaboration of a territorial energetic map of first level

Participants' Responsabilities

GIERRET will be responsible of this actions thanks to its competence and the experience on field

Methods

Analysis and study of the PEA (Environment and Energy Plan).
Development of accounting sheet

Progress Indicators

Amount of heat energy
Amount of cool energy
Possible combined use of the heat and cool energy and relative amounts

Expected results

The expected result of this task of the project is the elaboration of a map based on the energetic consumption.

Targets

Sufficient information to estimate a real energetic demand of cool and heat energy

Constraints and Assumptions

The collection of data is a critical phase for the location of the optimal cell.

LIFE-Environment demonstration projects	FORM T2a. Tasks Form	
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Project Acronym	BioLife	T2a - Task Form	Page 1 of maximum 10 (1 task per page)
Task ID[46] 3	Task Title[47]	Screening of the provincial territory on the catch basins of forest, agricultural and agro-industrial refuses	

Objectives

The objective is to collect data related to the amount of biomass through the survey of the territory and in particular through a monitoring of the main culture, of the agro-industrial and forest residuals. This analysis allows to divide the territory in energetic basins (Second level based on the amount of biomass) of suitable dimension in order to optimize the transport and warehousing costs of the resource.

DESCRIPTION : Actions - Participants' responsibilities - Methods - Progress Indicators – Expected results - Targets - Constraints and Assumptions[48]

Actions

- Location of the agrarian and forest surface
- Research on desk on the agricultural productions of greater interest for the project
- Evaluation of the amounts of agro-industrial residuals
- Evaluation of the forest residuals
- Subdivision of the territory in energetic basins of second level
- Elaboration of a territorial energetic map of second level

Participants' Responsabilities

GIERRET will be responsible of this actions thanks to its competence and the experience on field.

Methods

- Analysis and study of the PEA (Environment and Energy Plan).
- Distinction of the biomass in agricultural, forest and agro-industrial residuals
- Use of algorithms based on the following parameters: extension of the culture, annual production, moisture, etc

Progress Indicators

- Amount of agricultural residuals
- Amount of forest residuals
- Amount of agro-industrial residuals
- Evaluation of the energy

Expected results

The expected results of this task is the elaboration of an energetic map on the biomass energy of the territory.

Targets

Sufficient information to estimate a real energetic demand of cool and heat energy

Constraints and Assumption

The collection of data is a critical phase for the location of the optimal cell.

LIFE-Environment demonstration projects	FORM T2a. Tasks Form	
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Project Acronym	BioLife	T2a - Task Form	Page 1 of maximum 10 (1 task per page)
Task ID[49] 4	Task Title[50]	Location of the areas potentially suitable and available to short rotation forestry	

Objectives

The objective of this task is the location of the areas potentially suitable and available to short rotation forestry and the consequent writing of a map of third level (based on the availability of the lands and adaptiveness of the same)
This task is necessary in order to ensure a continued supply of biomass because the agricultural refusals could be insufficient.

DESCRIPTION : Actions - Participants' responsibilities - Methods - Progress Indicators – Expected results - Targets - Constraints and Assumptions[51]

Actions

- Evaluation of the morphologic characteristics of the areas of the province of Benevento
- Location of the energetic cultures compatible with the environment conditions
- Choice of the supplier of the energetic cultures
- Contacts with the agricultural organizations
- Elaboration of a territorial energetic map of third level

Participants' responsibilities
Gierret will implement this actions with the exclusion of the fourth action for which Soluzioni will be responsible.

Methods
Evaluation of the adaptability of the crops in the available zones potentially
Respect of a possible surrender of production
Elaboration of a cartography that underlines the most productive zones

Progress Indicators
Productivity attended of the express crop in tons for hectare

Expected results
The expected result of this task is the elaboration of a map based on the areas potentially suitable and available to short rotation forestry

Targets
Selection of biomass in fit measure to the necessities of the plant

LIFE-Environment demonstration projects	FORM T2a. Tasks Form	
EUROPEAN COMMISSION ENVIRONMENT DG	FOR COMMISSION USE ONLY	LIFE ENV/

Project Acronym	BioLife	T2a - Task Form	Page 1 of maximum 10 (1 task per page)
Task ID[52] 5	Task Title[53]	Subdivision of the provincial territory in territorial cells and location of the optimal cell (agri-energetic district)	

Objectives

The objective of this phase is to individualize an agri-energetic district that for consumptions, availability of residues and crops represents the optimal cell.

The cell easily constitutes an exportable standard model in other contexts with similar characteristics and that it has one proven validity since it derives from the overlap of the analyses effected in the tasks 2, 3 and 4.

DESCRIPTION : Actions - Participants' responsibilities - Methods - Progress Indicators – Expected results - Targets - Constraints and Assumptions[54]

Actions

- Overlap of the map of I,II and III levels
- Location of the cells
- Definition of the optimal cell
- Location in the optimal cell of the site of biomass production and warehousing

Participants' responsibilities

GIERRET and SPS on the base of the picked data in the preceding phases will reach to the individualization of the agri-energetic district

Methods

Graphic overlap of the cartographic data of the, II and III level
Overlap diagrams of load single uses and choice of those optimal
Location of the site of production of the biomass (operation of making woodchips)

Progress Indicators

Coefficient of optimal use of the plant
Number of times of operation of the module in a year

The expected results

The expected result is the individualization of the cell that contemporarily satisfies energetic application distributed in the various periods of the year availability of residues and energetic cultures.
The cell represents the territorial model inside which the technology "plug and play" finds its optimal position.
The feeding of the boiler will happen with the least movement of the biomass due to a central choice of the site of warehousing.

Targets

Individualization of the cell that represents the synthesis of the results obtained by the preceding phases.
Minimi of the transport of biomass

Constraints and Assumptions

Such phase doesn't introduce constraints in how much it represents the natural synthesis of the preceding phases.

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Project Acronym	BioLife	T2a - Task Form	Page 1 of maximum 10 (1 task per page)
Task ID[55] 6	Task Title[56]	Definition and installation of the module "plug and play" and equipment for the start-up of the module	

Objectives

The objectives of this phase are the definition of the layout of employment of the module "plug and play", the following installation and the equipment of the use for the use the technology.

Chosen the optimal cell and the users to be served (on the base of the criterions exposed in the task 5), it needs to characterize the potentiality of the module and at the same time to foresee for each of them of the systems of warehousing of the biomass that allows a continuous operation of the form for a reasonable period.

DESCRIPTION : Actions - Participants' responsibilities - Methods - Progress Indicators – Expected results - Targets - Constraints and Assumptions[57]

Actions

Choice of the power of the plant
- Preliminary, definitive and executive project of the layout of the module
- Realisation of the module
- Equipment of the users

Participants' responsibilities
GIERRET e SPS

Methods
Regulation of good technique (norms UNI, CEI, IEC, etc)
Search of market for the choice of the plant

Progress Indicators
Congruence to the project
Respect of the project times

Expected results
To plan a module whose installation and application constitute a real advantage for the consumers
Equipment adjusted to the technical demands and at the same time compatible with the interested territory

Targets
Realization of the module plug and play and connection to the use to which to supply thermal and cool energyl

Constraints and Assumptions

LIFE-Environment demonstration projects	FORM T2a. Tasks Form	
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Project Acronym	BioLife	T2a - Task Form	Page 1 of maximum 10 (1 task per page)
Task ID[58] 7	Task Title[59]	Collection and cultivation of the biomass	

Objectives

The objective of this phase is double: from a side the harvest of the agricultural, forest and agri-industrial residues, from the other the production and harvest of biomass from dedicated energetic cultures (Short Rotation Forestry).

DESCRIPTION : Actions - Participants' responsibilities - Methods - Progress Indicators – Expected results - Targets - Constraints and Assumptions[60]

Actions

- Picking of the residuals
- Compaction of the residuals in loco
- Warehousing of the residuals
- Preparation of the land
- Graft of the scion
- Maintenance of the culture
- Picking in loco
- Transport

Participants' responsibilities

GIERRET

Methods

Relatively to the energetic cultures, the operations of harvest and seeding will be completely mechanized.
As it regards the harvest of the residues, the choice of the method will be individualized in executive phase in base to the distribution of the resource and the users.

Progress Indicators

Quantity of the picked residues
As it regards the energetic, congruence of the picked quantity in comparison to the attended one.

Expected results

Harvest of biomass in such measure to be satisfied
The requirements of the users

Targets

Optimization of the layout of transformation and warehousing of the biomass in base to the geographical distribution of the resources and the users

Constraints and Assumptions

Location of central areas for the transformation of biomass

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Project Acronym	BioLife	T2a - Task Form	Page 1 of maximum 10 (1 task per page)
Task ID[61]	8	Task Title[62]	Application of the technology and monitoring of the district

Objectives

In this phase the objects are those to optimize the problems related to the putting in exercise of the system, to the use of the produced energy and to the continuous monitoring of the same one.

DESCRIPTION : Actions - Participants' responsibilities - Methods - Progress Indicators – Expected results - Targets - Constraints and Assumptions[63]

Actions

- Start-up of the module
- Monitoring of the module
- Accounting of heat and cool energy
- Consumption accounting
- Evaluation of the module working
- Writing of the ordinary maintenance plan

Participants' responsibilities

SPS and GIERRET will provide attendance and support during the phase of operation of the system, in particular during the monitoring of the module "plug and play".

Methods

The stockpiling of the biomass will happen in of the silos of opportune dimensions placed near the user to serve. The monitoring of the system will happen through specialistic staff action to find the consumptions and eventual anomalies of the system.

Progress Indicators

Amount of thermal energy produced
Amount of cool energy produced
Amount of biomass consumed
Performance of the biomass

Expected results

The expected result of this task is the complete satisfaction of the energetic demands from the user through this integrated system for collection-production-uses of the biomass.

Targets

The creation of a module that guarantees the requirementses termo-refrigerators demands, always working in conditions of optimal rendering.

Constraints and Assumptions

Periodically ordinary maintenance of the systems will come carried out one

EUROPEAN COMMISSION ENVIRONMENT DG	FOR COMMISSION USE ONLY	LIFE ENV/

Project Acronym	BioLife	T2a - Task Form	Page 1 of maximum 10 (1 task per page)
Task ID[64]	9	Task Title[65]	Technical, economic, financial and social analysis of the district

Objectives

L'obiettivo di questa fase è di analizzare il distretto agri-energetico sotto l'aspetto sociale, ambientale, economico, tecnico e finanziario. Tale analisi, sviluppata a valle del progetto, consentirà la definizione di un modello di distretto agri-energetico basato sulla biomassa. Tale modello potrà essere replicato e trasferito in altri contesti.

DESCRIPTION : Actions - Participants' responsibilities - Methods - Progress Indicators – Expected results - Targets - Constraints and Assumptions[66]

Actions
Socio-economic analysis and elaboration of the development model

Participants' responsibilities
Soluzioni e Fondazione Iacocca cureranno tale fase.

Methods
Osservazione diretta del distretto. Utilizzo di questionari. Interviste a testimoni privilegiati. Realizzazione bancadati. Elaborazione dati.

Progress Indicators
Numero questionari somministrati. Interviste effettuate.

Expected results
Sviluppo di un modello agri-energetico replicabile in altre aree.

Targets
L'analisi favorirà le scelte pubbliche in campo energetico-ambientale

Constraints and Assumptions

EUROPEAN COMMISSION ENVIRONMENT DG	FOR COMMISSION USE ONLY	LIFE ENV/

Project Acronym	BioLife	T2a - Task Form	Page 1 of maximum 10 (1 task per page)
Task ID[67]	10	Task Title[68]	Communication and dissemination

Objectives

The phase of dissemination and communication has as main objective the spread of purposes and the expected results of the project to favor the reproducibility and transferability of the technology also in other contexts.

The communication plan means, moreover, to promote the dialogue and the exchange of information to the aim to create a comparison on the environmental and energetic problematic.

DESCRIPTION : Actions - Participants' responsibilities - Methods - Progress Indicators – Expected results - Targets - Constraints and Assumptions[69]

Actions

- Press conference
- Planning and implementation of a project dedicated web site
- Organization of three conferences (local, national and international).
- Information panels in the places of the project
- Realization of guidelines and cd-rom
- Organization of four guided visits
- Informative branch
- Advertising on media
- Layman's report
- After Life Plan

Participants' responsibilities

The actions will be divided among all the partners.

Methods

Affixing of logo LIFE in all the documents, average, pamphlets, books, communicates press, video and software
Use of two languages (Italian and English) for all the actions
Use of recycled paper for the brochure, the guides etc
Indicators of performance in order to estimate the effectiveness of the actions of communication
Instruments of mono and bidirectional communication
Dialogue and constant comparison with the stakeholders

Progress indicators

Articles on daily paper, news on radio and TV
Number of enrolled to the final conferences
Number of brochure, cd rom and other distributed material
Number of accesses to the situated one web/enrolled to the maillist
Number of participants to seminaries round tables and visits guided

Expected results

Greater knowledge of the environmental problems
Greater uses of the renewable energy, and in particular of the biomass
Exchange of "best practice" in the agricultural field

Targets

Operating of the agricultural field, institutional associations of category of agriculture, groups enviromentalists, subjects, investigators and technicians of the RES, reported are to the territory of the plans of other zones of Italy and Europe potentially interested to reply and to transfer the initiative and/or that they operate in areas from the characteristics similar to that object of the intervention

Constraints and assumptions

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Project Acronym		T2b- Task Form	Page 1 of maximum 10 (1 task per page)
Task ID[70]	1	Task Title[71]	Management and reporting to EC

Start Date	30/10/2006	End Date	30/10/2009	Duration	36 months

Deliverable Date	Deliverable Description
30/10/2006	Report of the first meetimg
15/11/2006	Work Plan: definition of times and activities.
Every 6 months beginning from 30/10/2006	Report of the periodic meetings

Milestone Date	Milestone Description
07/11/2006	Constitution of the Committee of Pilotage. The Committee is constituted by a representative for every partner. Its tasks are: to guarantee the correct information on the project, the respect of the times planning, the real realization of the activities planning, verification of the programmed expense and the realized one.
10/11/2006	Constitution of the Scientific Technical Committee. The Committee will be constituted by the technical experts belonging to the structure. Its tasks are: the correct implementation of the technical tasks of the project.

You may insert rows if required

EUROPEAN COMMISSION ENVIRONMENT DG	FOR COMMISSION USE ONLY	LIFE ENV/

Project Acronym		T2b- Task Form	Page 1 of maximum 10 (1 task per page)
Task ID[72]	2	Task Title[73]	Screening of the provincial territory on the places of greater consumption of thermal and refrigerating energy

Start Date	01/12/2006	End Date	31/01/2007	Duration	2 months

Deliverable Date	Deliverable Description
31/12/2006	Database of the consumptions
15/01/2007	Report of the meaningful uses
31/01/2007	Map of the I level

Milestone Date	Milestone Description
02/12/2006	Contact with the managers of the users

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Project Acronym		T2b- Task Form	Page 1 of maximum 10 (1 task per page)
Task ID[74]	3	Task Title[75]	Screening of the provincial territory on the catch basins of forest, agricultural and agro-industrial refuses

Start Date	01/01/2007	End Date	28/02/2007	Duration	2 months

Deliverable Date	Deliverable Description
31/01/2007	Database of the places of greater production of the residues
28/02/2007	Report of synthesis of the gotten results
28/02/2007	Cartography of the II level

Milestone Date	Milestone Description
5/02/2007	You contact with CCIAA, associations of category, community Climb on of it, etc

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Project Acronym		T2b- Task Form	Page 1 of maximum 10 (1 task per page)
Task ID[76]	4	Task Title[77]	Location of the areas potentially suitable and available to short rotation forestry

Start Date	1/02/2006	End Date	31/03/2006	Duration	2 months

Deliverable Date	Deliverable Description
28/02/2007	Database of the available areas
20/03/2007	Hydro-geologic Report of the available areas
31/03/2007	Technical Report and map of III level

Milestone Date	Milestone Description
15/02/2007	Contact with the holders of the available grounds
31/03/2007	Contact with the suppliers
15/03/2007	Choice of the suppliers
15/03/2007	Choice of the grounds

LIFE-Environment demonstration projects	FORM T2b. Tasks Form	
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Project Acronym		T2b- Task Form	Page 1 of maximum 10 (1 task per page)
Task ID[78]	5	Task Title[79]	Subdivision of the provincial territory in territorial cells and location of the optimal cell (agri-energetic district)

Start Date	01/03/2007	End Date	30/04/2007	Duration	2 months

Deliverable Date	Deliverable Description
20/04/2007	Map that defines the optimal cell

Milestone Date	Milestone Description
30/04/2007	Overlap of the map of I, II and III level

You may insert rows if required

LIFE-Environment demonstration projects	FORM T2b. Tasks Form	
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Project Acronym		T2b- Task Form	Page 1 of maximum 10 (1 task per page)
Task ID[80]	6	Task Title[81]	Definition and installation of the module "plug and play" and infrastructuring for the start-up of the module

Start Date	01/05/2007	End Date	31/03/2008	Duration	11 months

Deliverable Date	Deliverable Description
01/06/2007	Preliminary project
01/08/2007	Definitive project
01/10/2007	Executive project

Milestone Date	Milestone Description
01/06/2007	Definition of the module and equipment
31/07/2007	Contatcs with the provider
30/11/2007	Choose of plant and provisioner
31/03/2008	Installation of the module

You may insert rows if required

LIFE-Environment demonstration projects	FORM T2b. Tasks Form	
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Project Acronym		T2b- Task Form	Page 1 of maximum 10 (1 task per page)
Task ID[82]	7	Task Title[83]	Collection and cultivation of the biomass

Start Date	01/05/2007	End Date	31/12/2008	Duration	20 months

Deliverable Date	Deliverable Description
31/12/2008	Technical Report about quantity of biomasses and the related performance

Milestone Date	Milestone Description
30/06/2007	Picking of the agricultural refusals
01/05/2007	Planting of the scion
01/12/2007	Picking of the energetic cultures

You may insert rows if required

LIFE-Environment demonstration projects	FORM T2b. Tasks Form	
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Project Acronym		T2b- Task Form	Page 1 of maximum 10 (1 task per page)
Task ID[84]	8	Task Title[85]	Application of the technology and monitoring of the district

Start Date	01/04/2008	End Date	30/04/2009	Duration	13 months

Deliverable Date	Deliverable Description
10/05/2008	Plan of ordinary maintenance ordinary and management of the module
30/04/2009	Book of the fuel consumption
30/04/2009	Book of the heat and cool energy performance

Milestone Date	Milestone Description
01/04/2008	Start-up of the module
01/09/2008	Ordinary maintenance

LIFE-Environment demonstration projects	FORM T2b. Tasks Form	
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Project Acronym		T2b- Task Form	Page 1 of maximum 10 (1 task per page)
Task ID[86]	9	Task Title[87]	Technical, economic, financial and social analysis of the district

Start Date	01/05/2009	End Date	30/08/2009	Duration	3 months

Deliverable Date	Deliverable Description
1/07/2009	Report
30/08/2009	Final report

Milestone Date	Milestone Description

You may insert rows if required

LIFE-Environment demonstration projects	FORM T2b. Tasks Form	
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Project Acronym		T2b- Task Form	Page 1 of maximum 10 (1 task per page)
Task ID[88]	10	Task Title[89]	Communication and Dissemination

Start Date	30/10/2006	End Date	30/10/2009	Duration	36 months

Deliverable Date	Deliverable Description
1/07/2007	Informative panels. The panels, realized with recyclable materials, will be installed in the places where the project is carried out. It will contain information on the project, on its purposes, expected results and activities.
11/2006	Brochures informative synthetic description of the project.
9/2009	Layman's report. The Laymans' Report will be a patinated bilinguist brochure (Italian and English) composed from 5-10 colours pages with photos and imagines (of the energetic cultivations, of the warehousing of the agricultural waste, the module in phase of transport and activity). It will be directed to an interested public and at the same time to a generic and undifferentiated public; it will contain the following information: object and purpose of the project, description of the environment problem; the team of job, the technical approach and scientific methods, the economic feasibility, the impact on the environment politics
10/2009	Guideline. It is a document of 30 and 40 pages in three languages (English, Italian and Spanish) and will be directed to italian and international experts in the field of the RES, to the agricultural associations, the local and territorial agencies, the environmentalists associations and of the consumers. The content of the guidelines will be more technical than the laymans' report.
10/2009	Cd-rom. They will produced in two languages (Italian and English) and it will be directed to a public of experts and undifferentiated. They will contain: the description of the partners, the Guidelines, the documents produced in the course of the project, the photographic gallery and video.

Milestone Date	Milestone Description
15/11/2006	Press conference: project presentation to local and national community The conference will be kept in Benevento at the beginning of the programmed activities. Institutional and operating actors of the field will be involved (local agencies, stakeholders of the renewable sources, agricultural companies, environmentalist associations and associations of category) and means of information. The conference represents not only a presentation and a promotion moment of the plan and its objects but also a moment of comparison between the actors that ca give to draw important indications and suggestions for the development of the successive activities.
1/12/2006	Web site. The web site will be in two languages (Italian and English) and it will be specifically dedicated to the project. It will be constantly updated in the course of the activities and will remain active at least 3 years after the date of the end of the project. The web site will contain all the aspects of the project (objectives, actions, means), documents, news, newsletter, a private area.
1/06/2008	Guided visits. The visits will have a dissemination and training character. They will be organized for the agricultural workers to spread knowledge and techniques related to the use of agricultural refusals and to the production of energetic culture. The project provided 4 cycles of guided visits.
9-10/2009	Final conferences. This conference will be kept in the conclusive phase of the project in Bruxelles. The people that will participate to the conference are: local agencies, stakeholders and experts of the renewable sources, agricultural companies, environmentalists associations. The objective of the action is to inform and sensitize private and public subjects about the sustainable use of the RES and in the specific one of the biomasses.

You may insert rows if required

Project Acronym	BioLife	

T3. TECHNICAL PROPOSAL

State-of-the-art and innovation [90]

In the last years in the industrialized country the environment problems has interested the energetic politics. This fact has encouraged a great development of the technologies with a small environment impact; the plants of the project BioLife was the object of this development and today has a remarkable technologic level.
The study have had as a object the interface of the technologies with the productive realities and it will face the problem of the adaptability of the container to contain the modules and the problem of the electronic distance management.
The use of this plants has the following characteristics:

- Environment respect;
- Low Electric consumption;
- Easy management;
- Limited maintanance;
- Long working life.

The project BioLife is "demonstrative" because has strong technological potentiality and relevant positive impact in the specific field of implementation and then of application.
The innovative characters of the module are:

- The "plug and play" technology: this technology allows to transport the plant and not the biomass with remarkable economic advantages. In fact the transport of the biomass is a critical point of the system based on the biomass. From the IT languages, this technology is defined plug and play because the module is used where it is necessary using the resources present in loco.
- the production of cool power through an absorber of heat united to a biomass plant.
- The complete distance management of the plants through a specific software and hardware.

This technology is based on a local network system in which the production and distribution of cool and heat energy are conjugated. The plant will be independent from the energetic point of view because it works with the biomasses cultivated and produced the near areas.
The plant is divided into 2 sections:

- heat section;
- cool section

The sections will be composed by two container: the heat section containers will contain the woodchips and the boiler with a power of 400 kW respectively; instead the cool section containers will contain the absorber and the evaporation power.
In order to simplify the installation and the transport of the plant, the containers will be as the containers for machineries.
In fact the normal truck equipped for the transport of the containers can easily move and transport the modules.

Demonstration character and dissemination plan [91]

The technical scale of the project is a pilot one because it represents the first step for the development of a technology that has the potentiality to became a module widely used. Following we describe the characteristics and the range of use of the plant. Hypothesis: We suppose to use the plant for 7 days/week, 10 hours/day. Consumption values for the winter: In order to estimate the winter consumption values we use the technical Italian regulation (L.10/91) about the working time of a plant. The power of the plant is about 250 kWt and the plant will have a consumption of 100 Kg/h woodchips. Therefore in a year the total consumption will be about 90 ton/year. The energy production is about 315.000 kWh/year and the energy saving using biomasses in spite of a traditional fuels is about 30 tep/year. Consumption values for the summer: The summer consumption values are high with the same working periods; in fact the plant will work producing a higher thermal power to contribute to the losses due to the chiller working periods; the plant will produce about 250 kW of cool energy and the consumption will be about 130 Kg/h of woodchips for a total consumption of 100 ton/year. The energy saving using biomasses in spite of a traditional fuels is about 30 tep/year. Total: The total amount of energy produced will be about 660.000 kWh/year with a consumption of 190 ton/year of woodchips and so a saving of 63 tep/year. The module plug and play will avoid to put in the atmosphere 165 ton/year of CO_2 with benefits for the local environment. About of the economic aspects, the woodchips will be self-produced ensuring lower costs than actual market value (70€/ton). In order to ensure a self-sufficiency the woodchips will be composed by 30% of agricultural refusals and by 70% of energetic cultures.

Dissemination Plan

All the communication and dissemination activities are part of a communication strategy determined on the base of a context analysis in which the project will be act. The aim of the plan is to advertise the project and its environmental goals, creating a comparison about them, by operating involvement of the stakeholders end the undifferentiated public. For this end, the plan provides different instruments and techniques to foster the reaching of the greater number of target subjects determined: skilled end studious of environment issues, farm sectors workers, agriculture category associations , environmental associations, expert in the local growth, institutional subjects, RES researches workers and specialists, undifferentiated public. Dissemination and divulgation activity with reference to the results will have the aim of encouraging the adoption of innovative techniques that they have been proposed in the other similar territorial situations in relation to economical and environmental characteristics, to those objects of BioLife. The important result it is going to reach is to transfer to public administrators and stakeholders of other realities, Italian end European, the awareness of the necessity of the environmental choice founded on the use of the biomass and on the intuition of the opportunities gave by solutions adopted in the project. The dissemination strategy aims to come out the working method applied to BioLife, that is: the importance of the involvement action in the process of acting by bearer of interest and the application of the lines guide in which the European Commission is moving for the spreading of the concepts concerning environmental politic and bearable development. The activities of the dissemination plan will start with the beginning of the project. Detailed description of the actions, methods, awaited results is in the section Tb2. task 7 of the formulary. That of the deliverables and milestone is in the section T2b. task 7. Press conference about the presentation of the project, that it will be hold at the beginning of the programmed activities in Benevento, it will be a moment not only for the presentation and promotion of it and its purposes, but also a moment for the comparison among the different factors from which drawing useful advices for the execution of the following activities. At the same time it will be open a web site aims to realize, from the third year of the project, a European telematic network of the agro-energetic districts. Actions "in field" will be well defined and organized, based on informative panels that will be placed in the same location where the project will be developed, to the opening of an important counter. Meetings and forums will be organized. Moreover three cycles of informative guided tours will be addressed to agriculture sector workers. The plan includes the making of specifics informative material, that is brochures, guide lines, CD-Rom written in Italian and English languages. It will be placed this material at informative counters disposal and also it will be handed out to interested subject during the meetings and forums. Indirect communication tools will have particular importance. During the different phases of the project is included the issue of press releases and the starting up of local journalistic staff (press and TV) and facilities (national and international) engaged in the production of specific journalistic materials of scientific spreading. The main moment of the communication and dissemination plan will be the spreading of the results in the final phase and after the closing of the project. It will happen by the carrying out of three informative meetings about the general realization of the project during its ending phase. They will be hold in Benevento, Rhome and Bruxelles. During the three meetings will be shown the project guide lines and the layman's report. The plan of the popular and dissemination activities post- project aims to continue spreading the project and its results. To reach the fixed in advance purpose it is been proposed to keep working the web site for at least three years more the end of the project, to advertise and spreading the guide lines and the experiences of the project in the other agro- Energetic districts, existing or in course of realization, by the organization of a telematic network. The Province of Benevento through the European Office will coordinate the realization of all activities included in the dissemination plan. The European Office and the other partners, who are participating to the project, will undertake to guarantee a continuous dialogue with the groups of interests and the local undifferentiated public and no, for an approach and a dynamic, open method to environment and energetic world. Finally, they will undertake to inform the Commission and invite her to take part in all the meetings, conferences, forums and other important events for the divulgation of the project. Dissemination plan will be checked in two moments during the project, exactly after the first year and after two years from the beginning of the project activities. Possible changes will be introduced in correlation to the answers of the indicators expected and shown in the task 7 of the section Ta2 of the formulary.

Reproduction potential and transferability [92]

This type of plant, developed once, has an high potentiality to be reproduced and used where there is need both of heat and of cool.
In fact the technology "plug and play" allows to limit, whether not to annul, the equipments of the buildings where the heat and cool is brought since it is enough the connection to the electric net and that of distribution of the thermal vector fluid to be able to supply the services to the structure.
An example of the versatility of the system is given by the possibility to use the heat modules in the winter and the cool modules in the summer.
The concepts of reproducibility, transferability and of applicability of the technique in other territorial and sectorial context (for example supply of services to small industries) reside really in the simplicity with which a plant of this kind can be installed and activated.
Naturally this type of technology is not developed to be installed and used only in the province of Benevento, but it has an international character and it can be used in every areas where there is the possibility to have biomasses from energetic culture and from agricultural refusals.
The module Plug & Play can be reproduced and transferred not only in the territories of the European Union that have territorial and infrastructural characteristics (environmental, economic) similar to those of the Province of Benevento but in every places where there are biomasses.
Particularly the project aims to create a model of agricultural-energetic district that could be replicated in other territorial realities of the province, national and community.
Another consequence of the project is the real and remarkable increase of the use of the biomass in the whole European Union because thanks to the communication and dissemination activities the project will allow to spread the benefits coming from the exploitment of biomasses.

IF NECESSARY, YOU MAY USE ONE PAGE PER ITEM (Total Maximum: 3 pages for the three items)

T4. TECHNICAL PROPOSAL

Environmental problem [93]

The environmental problem on which the project is based is the high emissions of gases having a greenhouse effect. This problem is present and arouses worries in all the territory of UE and also in a territory still relatively unpolluted and oriented to sustainable development as the territory of the Province of Benevento.

A possible solution to this problem is the application of innovative technologies that allow the exploitation of the energy from biomass, reducing the amount of production made with fossil fuels. The territory of the Province of Benevento is an agricultural territory that generates a huge quantity of waste products and a rural decline that can be inverted through the production of biomass.

The energy from biomass will be produced through an innovative module "transportable" from the place of production of the biomass to the place of use of the heat and cool energy.

Some people say that the wood smoke is very polluting: this is not true for the modern hot-water heater or for the modern pellet stove that are designed to obtain a nearly perfect combustion of the wood and so with emissions similar to those of a boiler hot-water heater. The smokes are dangerous when combustion takes place in uncontrolled and imperfect conditions, as it often happens in wood-burning stoves, in fireplace and in traditional cheap kitchens.

The use of the biomasses for energetic purposes doesn't contribute to the greenhouse effect, since the quantity of carbonic anhydride released during the decomposition, both that it naturally happens, both for effect of the energetic conversion, is equivalent to that absorbed during the growth of the same biomass; there is not, therefore, some contribution to the increase of the level of CO_2 in the atmosphere. In this way to increase energy's quota produced through the use of the biomasses, rather than with fossil fuels, it can contribute to the reduction of the issued CO_2 in atmosphere.

In other words, burning gas or diesel to warm transfers and accumulates in the atmosphere carbon coming from the depths of the subsoil, contributing in such way to the greenhouse effect.

On the contrary, the combustion of biomass doesn't give some contribution to the greenhouse effect, because the carbon that is emitted burning the wood originates from the same atmosphere and not from the subsoil. The project Life is coherently inserted in a precise programmatic address of the Province of Benevento, in fact the objective is to direct to sustainable development considering in the worth some strategies of intervention of energetic politics to the purpose of: to handle the energetic saving, to contain the environmental impact in the use of energetic sources, to promote the renewable and assimilable sources, to increase the energetic efficiency and the reduction of the energetic dependence.

To such end, also in line with the indications and the objectives of the Sixth Community Environment Actions Programme (Decision N.1600/2002) it has been compiled the Environmental Energetic Plan (PEA) of the Province of Benevento approved by the Provincial Council with deliberation N. 72 10/11/2004.

One of the priority objectives of the PEA will be that to save 15.000 oil tons in a year and to demolish of 50.000 tons the quota of carbonic anhydride introduced in the air every year, and in the specific it provides actions concerning to the realization of the plants fed by biomasses.

With the approval from the European Commission of the project Asea number 05/130A within the Community programme EIE (Intelligent Energy for Europe) to Benevento will rise Agency for the energy.

This Agency will have the assignment of supervise, to coordinate and to make to pursue the objectives established from the Environmental Energetic Plan (PEA).

In this optics the project Life appears as complementary element and consistent with the project EIE, and it can contribute to the concrete attainment of some results foreseen by the lines of the PEA.

Value for money - environmental cost/benefit ratio [94]

Even if there is a greater initial investment (around the double one in comparison to a conventional boiler) the biomasses boiler allows to get a notable saving as it regards the annual management of the plant.
In fact a plant to gas-oil consumes around 63 ton/year of fuel with an expense of 76.000 €/year.
Instead a plant fed to biomasses consumes around 190 ton/year with an expense of 13.300 €/year.
The saving in comparison to a conventional boiler is relevant and we have to consider that the annual cost of the woodchps has been calculated according to the today's values of market needs, but the project foresees to use woodchips coming from agricultural refusals and energetic crops of the province of Benevento and therefore there will be a sure lowering of the costs of the fuel.
Over that benefits of economic type, there are also notable benefits of environmental type, in fact with a plant of small dimensions, as it will be that taken in examination in this project, it will be possible to avoid to introduce 165 ton/year of CO_2 in atmosphere.
The objective is therefore that to sensitize the political class to install plants of this type wherever is possible to be able to decrease more and more the immission of greenhouse effect gas in the atmosphere.

Added value of international approach and employment implications [95]

The Province territory of Benevento was always, over the years, devoted to the agriculture.
In the last years the agricultural sector is going through a restructuring and reconversion
process, in which is happening a slow but progressive reduction of the numbers of the agriculture workers, 15685 unities in the 2002 and a consequential phenomenon of leaving of the fields.
The agriculture reconversion addressed to the development is concentrated on quality and biological cultures, toward the integration of the agriculture activities with other activities like agriculture tourism and food-and-wine connoisseurship. Agriculture activities are been addressing toward cultures "green" directed to an environmental outlet. For this aspect the project will propose, in the agro-energetic district, the possibility to embark energetic cultures, to exploit the agriculture waste, helping to upgrading, economic too, of the agriculture firms with the possibility of increase in employment.

10. DECLARATION FORMS

LIFE-Environment demonstration projects	Form 1 Declaration of partners	Page 1 of 4
EUROPEAN COMMISSION ENVIRONMENT DG	FOR COMMISSION USE ONLY	LIFE ENV/

Declaration of technical and financial commitment of the partner(s)

Legal Name and legal status: LEE IACOCCA FOUNDATION

Foundation – Private Structure

We are responsible for the implementation of the following actions:
- First meeting
- Constitution of the piloting committee
- Constitution of the technical committee
- Definition of the work plan
- Monitoring and evaluation meetings (every 6 months)
- Socio-economic analysis and elaboration of the development model
- Press conference
- Organization of three conferences (local, national and international).

With a foreseen cost of 98.695,00 €

We will contribute 22.930,00 € to the implementation of the project.

Anticipated EU financing: 11.465,00 €

Status of financial and technical commitment/s[96]
The commitment of the Co-financing has been taken for the whole project

Name of authorised person : Luigi Fuschetto
Status : Manager
Date 29/09/2005

Authorised stamp and signature (mandatory)[97] : .....

YOU MAY DUPLICATE THIS PAGE IF NECESSARY

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EUROPEAN COMMISSION ENVIRONMENT DG	FOR COMMISSION USE ONLY	LIFE ENV/

Declaration of technical and financial commitment of the partner(s)

Legal Name and legal status: SISTEMI PRODOTTI PER LO SVILUPPO SOSTENIBILE ITALIA (SPS ITALIA)

Limited company – private structure

We are responsible for the implementation of the following actions:
- First meeting
- Constitution of the piloting committee
- Constitution of the technical committee
- Definition of the work plan
- Monitoring and evaluation meetings (every 6 months)
- Overlap of the map of I,II and III levels
- Location of the cells
- Definition of the optimal cell
- Choice of the power of the plant
- Preliminary, definitive and executive project of the layout of the module
- Start-up of the module
- Monitoring of the module
- Accounting of heat and cool energy
- Consumption accounting
- Evaluation of the module working
- Writing of the ordinary maintenance plan
- Press conference

..- Organization of three conferences (local, national and international).

With a foreseen cost of 135.597,00 €

We will contribute 38.000,00€ to the implementation of the project.

Anticipated EU financing: 19.000,00 €

Status of financial and technical commitment/s[98]
The commitment of the Co-financing has been taken for the whole project

Name of authorised person : .....
Status :
Date

Authorised stamp and signature (mandatory)[99] : .....

YOU MAY DUPLICATE THIS PAGE IF NECESSARY

LIFE-Environment demonstration projects	Form 1 Declaration of partners	Page 3 of 4
EUROPEAN COMMISSION ENVIRONMENT DG	FOR COMMISSION USE ONLY	LIFE ENV/

Declaration of technical and financial commitment of the partner(s)

Legal Name and legal status: SOLUZIONI MUTUAL COMPANY

Mutual limited company – private structure

We are responsible for the implementation of the following actions
- First meeting
- Constitution of the piloting committee
- Constitution of the technical committee
- Definition of the work plan
- Monitoring and evaluation meetings (every 6 months)
- Contacts with the agricultural organizations
- Socio-economic analysis and elaboration of the development model
- Press conference
- Planning and implementation of a project dedicated web site
- Organization of three conferences (local, national and international).
- Information panels in the places of the project
- Realization of guidelines and cd-rom
- Organization of four guided visits
- Informative branch
- Advertising on media
- Layman's report

With a foreseen cost of 144.297,00 €

We will contribute 40.000,00.€ to the implementation of the project.

Anticipated EU financing: 20.000,00 €

Status of financial and technical commitment/s[100]
The commitment of the Co-financing has been taken for the whole project

Name of authorised person: Michele Raffa
Status: Legal Representative
Date: 29/09/2005

Authorised stamp and signature (mandatory)[101] : .....

YOU MAY DUPLICATE THIS PAGE IF NECESSARY

LIFE-Environment demonstration projects	Form 1 Declaration of partners	Page 4 of 4
EUROPEAN COMMISSION ENVIRONMENT DG	FOR COMMISSION USE ONLY	LIFE ENV/

Declaration of technical and financial commitment of the partner(s)

Legal Name and legal status: GESTIONE IMPIANTI ENERGIE RINNOVABILI RISPARMIO ENERGETICO E TELERISCALDAMENTO (GIERRET) SRL

We are responsible for the implementation of the following actions:
- First meeting
- Constitution of the piloting committee
- Constitution of the technical committee
- Definition of the work plan
- Monitoring and evaluation meetings (every 6 months)
- Definition of the typology of users (public, private and particular)
- Screening of the existing plants
- Subdivision of the users on the base of the typology of fuels
- Evaluation of the fuel consumption
- Definition of the working period of the plants
- Count of the energetic demand
- Subdivision of the territory in energetic basins of first level
- Elaboration of a territorial energetic map of first levelLocation of the agrarian and forest surface
- Research on desk on the agricultural productions of greater interest for the project
- Evaluation of the amounts of agro-industrial residuals
- Evaluation of the forest residuals
- Subdivision of the territory in energetic basins of second level
- Elaboration of a territorial energetic map of second level Evaluation of the morphologic characteristics of the areas of the province of Benevento
- Location of the energetic cultures compatible with the environment conditions
- Choice of the supplier of the energetic cultures
- Elaboration of a territorial energetic map of third level
- Overlap of the map of I,II and III levels
- Location of the cells
- Definition of the optimal cell
- Location in the optimal cell of the site of biomass production and warehousingChoice of the power of the plant
- Preliminary, definitive and executive project of the layout of the module
- Realisation of the module
- Equipment of the users
- Start-up of the module
- Monitoring of the module
- Accounting of heat and cool energy
- Consumption accounting
- Evaluation of the module working
- Writing of the ordinary maintenance plan
- Press conference
- Organization of three conferences (local, national and international).

With a foreseen cost of 208.963,00 €

We will contribute 103.160,00 € to the implementation of the project.

Anticipated EU financing: 51.180,00 €

Status of financial and technical commitment/s[102]
The commitment of the Co-financing has been taken for the whole project

Name of authorised person: Iacono Vittorio
Status: Amministratore Unico
Date: 29/09/2005

Authorised stamp and signature (mandatory)[103] : .....

YOU MAY DUPLICATE THIS PAGE IF NECESSARY

LIFE-Environment 2006

ACKNOWLEDGEMENT OF RECEIPT

Address of applicant:

(to be completed by the applicant)

Title of the project[6] : Agricultural District of the Renewable Energy (BioLife)

PROPOSAL No. **LIFE06/ENV/**.....
(to be completed by the Commission)

Sir, Madam

I acknowledge receipt of your LIFE-Environment application for the project mentioned above, for which I thank you.

Your proposal will be examined by our services, with respect to its eligibility. Those projects declared eligible will then undergo an evaluation procedure by the Commission, according to that foreseen in the LIFE Regulation.

I will let you know the final decision, as soon as it has been taken by the Commission.

Yours faithfully,

Signature DG ENV: .....

ANNEX 1: FORMS – FIELD GUIDELINES

1. [1] **The signature must be handwritten and original. The position/status of the signatory should be given. Three originals of this form should be submitted.**

2. [2] **Short Name (acronym if appropriate):**

   The short name chosen by the participant for this project. This should not be more than 20 characters and should be given at the top of each form.

3. [3] **Participant Legal Name:**

   Provide the legal name of the respective participants. The legal name is the name under which the participant(s) is registered in the official trade registers (if applicable).

4. [4] **Legal Status:**

   Select one of the following choices: Private structure (organisation registered in the official trade registers), , Public body
   Put an "X" in the appropriate box.

   Those organisations that declare their status as public must comply with the following criteria:

   1/ The organisation has been created by a public authority or is officially recognised as an organisation of public interest. Note the 'public interest' must be explicitly mentioned in the relevant legal or administrative act/s.

   2/ The internal procedures and accounts are submitted to control by a public authority (on a day to day basis).

   4/ The organisation is financed totally or to a large extent (i.e. more than 50%) by public sources.

   5/ In the event that the organisation stops its activities, all rights and obligations including financial, will be transferred to a public authority.

   This means that only central and local public authorities and the structures that act on their behalf and under their full responsibility may be considered as public.

5. [5] **Vat No:**

   If applicable, please provide the organisation's Value Added Tax (VAT) number in the VAT register.

6. [6] **Legal Registration No:**

   If applicable, please provide the organisation's legal national registration number or code the legal trade register, e.g. the Chambers of Commerce register or the business register.

7. [7] **Country Code:**

   Use the relevant country code as indicated in FORM S1: Benefiting regions. For any country not included in Form S1, please indicate the full name of the country in the "Country Name" and leave the "Country Code" blank.

8. [8] **Title:**

   Title commonly used in correspondence with the person in charge of proposal co-ordination. Example: Mr, Mrs, Ms., Dr, Prof

9. [9] **Function (Job Title):**

   Provide the function (job title)of the person in charge of proposal co-ordination. Example: Managing Director, Financial Director, Sales Manager, Project Manager, etc.

10. [10] **Department / Service Name:**

    Name of the department and/or service in the organisation, co-ordinating the proposal and for which the contact person is working. The address details given in the following fields must be for the department / service and not the legal address of the organisation.

11. [11] **Year:**

Provide the year for which the figures in this section are provided, e.g. '1999'. Information from the most recent accounting year should be provided.

12. [12] **Annual turnover:**

To be provided by all participants for which this type of information is available. If not applicable, please write **N/A.** Information from the most recent accounting year should be used. The figures should be given for the organisation as a whole and not just for the subsidiary company or the department carrying out the work. It must be expressed in Euro.

13. [13] **Annual Balance Sheet Total: (i.e., total of assets or total of liabilities)**

To be provided by all participants for which this information is available. If not applicable, please write **N/A.** The figures should be given for the organisation as a whole and not just for the subsidiary company or the department carrying out the work. Information from the most recent accounting year should be used. It must be expressed in Euro.

14. [14] **Number of employees:**

To be provided by all participants. The figures should be for the legal organisation as a whole - not only for the department carrying out the work. The contribution of part-time staff should be accounted as the equivalent number of full-time staff – as full-time equivalents.

15. [15] **Number of employees in department conducting project:**

To be provided by all participants. The figures should be for the department carrying out the work. The contribution of part-time staff should be accounted as the equivalent number of full-time staff. If not applicable, please write **N/A.**

16. [16] **Is your organisation independent?:**

Is 25% or more of the capital or the voting rights owned by one enterprise or jointly by several enterprises falling outside the definition of an SME (except public investment corporations, venture capital companies and institutional investors, provided no control is exercised either individually or jointly)?
If the organisation is not independent, you should provide the name(s) of the company(ies) which own(s) 25 % or more of the organisation.
An SME (small and medium-sized enterprise) is defined as an entity that has fewer than 250 full time equivalent employees, has an annual turnover not exceeding 40 million Euro, or an annual balance sheet total not exceeding 27 million Euro, and is not controlled by 25% or more by a company which is not an SME.

17. [17] **Owner:**

Please provide the legal name(s) of the organisation(s) or person(s) controlling the organisation by 25% or more.

18. [18] **Affiliation:**

An organisation is affiliated to another organisation if:
It is under the same direct or indirect control as another organisation, or
It directly or indirectly controls another organisation, or
It is directly or indirectly controlled by another organisation.
Control:
Company A controls company B if:
A, directly or indirectly, holds more than 50% of the share capital of B, *or,*
A, directly or indirectly, holds more than 50% of the shareholders' voting rights of company B, *or,*
A has, directly or indirectly, the decision-making powers within company B.
It should be noted that Company A's holding a simple majority of the share capital, or the voting rights, of Company B may be sufficient to create a controlling relationship.

9. [19] **Yes - Affiliated:**

Please provide the participant short name(s) of the organisation(s) to which your organisation is affiliated and use the codes below to describe the character of the affiliation(s):
D: Direct control;
I: Indirect control.
Should the affiliate be a foreseen sub-contractor, then add **S** and short name of the sub-contractor.

20. [20] **Country Code:**

Use the relevant country code as indicated in Form S1: Benefiting regions. For any country not included in Form S1, please indicate the full name of the country in the "Country Name" and leave the "Country Code" blank.

21. [21] **Partner details: only private structures should complete this section**

22. [22] **Annual Balance Sheet Total: (i.e., total of assets or total of liabilities)**

To be provided by all participants for which this information is available. If not applicable, please write **N/A**. The figures should be given for the organisation as a whole and not just for the subsidiary company or the department carrying out the work. Information from the most recent accounting year should be used. It must be expressed in Euro €.

23. [23] **Country Code:**

Use the relevant country code as indicated in Form S1: Benefiting regions. For any country not included in Form S1, please indicate the full name of the country in the "Country Name" and leave the "Country Code" blank.

24. [24] **Partner details: only private structures should complete this section**

25. [25] **Annual Balance Sheet Total: (i.e., total of assets or total of liabilities)**

To be provided by all participants for which this information is available. If not applicable, please write **N/A**. The figures should be given for the organisation as a whole and not just for the subsidiary company or the department carrying out the work. Information from the most recent accounting year should be used. It must be expressed in Euro €.

26. [29] **Country Code:**

Use the relevant country code as indicated in Form S1: Benefiting regions. For any country not included in Form S1, please indicate the full name of the country in the "Country Name" and leave the "Country Code" blank.

27. [30] **Partner details: only private structures should complete this section**

28. [31] **Annual Balance Sheet Total: (i.e., total of assets or total of liabilities)**

To be provided by all participants for which this information is available. If not applicable, please write **N/A**. The figures should be given for the organisation as a whole and not just for the subsidiary company or the department carrying out the work. Information from the most recent accounting year should be used. It must be expressed in Euro €.

29. [32] **Country Code:**

Use the relevant country code as indicated in Form S1: Benefiting regions. For any country not included in Form S1, please indicate the full name of the country in the "Country Name" and leave the "Country Code" blank.

30. [33] **Funding confirmed**
Indicate status of commitment: Yes or To be confirmed (TBC).

31. [34] **Task ID:**

Provide an index number to the task. Note task IDs should be coherent in all task forms (T2a/b and F2a/b). .

32. [35] **Task Title:**

Provide a short concise description of the work package in the form of a title.

Examples: *Optimisation of site planning. Engineering and construction. Prototype test. Dissemination programme. Management task.*

33. [36] **Start Date:**

Specify the baseline starting date of the work package activities.

34. [37] **End date:**

Specify the baseline ending date of the work package activities.

35. [38] **Actions:**

List briefly the various actions in each task . See Form T2a note and examples.

36. [39] **Deliverables:**

List all deliverable products and their expected production deadline chronologically. Deliverables are tangible products (e.g. management plans, studies and other documents, software, videos, etc). Remember that a copy of all these products must be sent to the Commission. .

37. [40] **TASK ID:**

Provide an index number to the task. Example: 1 or 1.1 should you wish to breakdown tasks. The index number should correspond to the TASK ID indicated in the task summary form.

38. [41] **TASK Title:**

Provide a short concise description of the task in the form of a title.

Examples: *Optimisation of site planning. Engineering and construction. Prototype test. Dissemination programme. Management task.*

39. [42] **DESCRIPTION:**

Describe the actions the project will undertake under this task and the participants' responsibilities. Include in the description details on the methods and/or techniques that will be implemented. Describe the results as much as possible as measurable targets and how these targets will be validated/measured. Comment on the constraints and assumptions that may influence the realisation of the various actions - describe any risks that may lead to delays/cancelling of the project. Highlight possible problems.

Example of actions

Preventing pollution of surface water
Installation of the drainage system – will be implemented by ... (name of participant)
Construction of the project web site – will be implemented by ... (name of participant)
Monitoring of the emissions of the process – will be implemented by ... (name of participant)

Example of targets - validation

The dissemination, the – workshop, will reach 100 stakeholders - including political and technical authorities.
Emissions should be reduced by 90% when compared to the conventional process.
Consumption of drinking water will have been reduced by 90%.
The project web site will allow feedback and registration of interested parties - this feedback will be recorded and follow-up will be assured and registered.

Example of constraints

The installation of the measurement system must be finalised by June 2001 in order to conduct the monitoring during the high season.

Example of assumptions

We assume the management board will give the green light for the testing of the prototype in July 2002.
We assume the local authority will grant the necessary construction permit by June 2003.

40. [43] TASK ID:

Provide an index number to the task. Example: 1 or 1.1 should you wish to breakdown tasks. The index number should correspond to the TASK ID indicated in the task summary form.

41. [44] TASK Title:

Provide a short concise description of the task in the form of a title.

Examples: *Optimisation of site planning. Engineering and construction. Prototype test. Dissemination programme. Management task.*

42. [45] DESCRIPTION:

Describe the actions the project will undertake under this task and the participants' responsibilities. Include in the description details on the methods and/or techniques that will be implemented. Describe the results as much as possible as measurable targets and how these targets will be validated/measured. Comment on the constraints and assumptions that may influence the realisation of the various actions - describe any risks that may lead to delays/cancelling of the project. Highlight possible problems.

Example of actions

Preventing pollution of surface water
Installation of the drainage system – will be implemented by ... (name of participant)
Construction of the project web site – will be implemented by ... (name of participant)
Monitoring of the emissions of the process – will be implemented by ... (name of participant)

Example of targets - validation

The dissemination, the – workshop, will reach 100 stakeholders - including political and technical authorities.
Emissions should be reduced by 90% when compared to the conventional process.
Consumption of drinking water will have been reduced by 90%.
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We assume the local authority will grant the necessary construction permit by June 2003.

43.[46] TASK ID:

Provide an index number to the task. Example: 1 or 1.1 should you wish to breakdown tasks. The index number should correspond to the TASK ID indicated in the task summary form.

44.[47] TASK Title:

Provide a short concise description of the task in the form of a title.

Examples: *Optimisation of site planning. Engineering and construction. Prototype test. Dissemination programme. Management task.*

45.[48] DESCRIPTION:

Describe the actions the project will undertake under this task and the participants' responsibilities. Include in the description details on the methods and/or techniques that will be implemented. Describe the results as much as possible as measurable targets and how these targets will be validated/measured. Comment on the constraints and assumptions that may influence the realisation of the various actions - describe any risks that may lead to delays/cancelling of the project. Highlight possible problems.

Example of actions

Preventing pollution of surface water
Installation of the drainage system – will be implemented by ... (name of participant)
Construction of the project web site – will be implemented by ... (name of participant)
Monitoring of the emissions of the process – will be implemented by ... (name of participant)

Example of targets - validation

The dissemination, the – workshop, will reach 100 stakeholders - including political and technical authorities.
Emissions should be reduced by 90% when compared to the conventional process.
Consumption of drinking water will have been reduced by 90%.
The project web site will allow feedback and registration of interested parties - this feedback will be recorded and follow-up will be assured and registered.

Example of constraints

The installation of the measurement system must be finalised by June 2001 in order to conduct the monitoring during the high season.

Example of assumptions

We assume the management board will give the green light for the testing of the prototype in July 2002.
We assume the local authority will grant the necessary construction permit by June 2003.

46.[49] TASK ID:

Provide an index number to the task. Example: 1 or 1.1 should you wish to breakdown tasks. The index number should correspond to the TASK ID indicated in the task summary form.

47.[50] TASK Title:

Provide a short concise description of the task in the form of a title.

Examples: *Optimisation of site planning. Engineering and construction. Prototype test. Dissemination programme. Management task.*

48. [51] DESCRIPTION:

Describe the actions the project will undertake under this task and the participants' responsibilities. Include in the description details on the methods and/or techniques that will be implemented. Describe the results as much as possible as measurable targets and how these targets will be validated/measured. Comment on the constraints and assumptions that may influence the realisation of the various actions - describe any risks that may lead to delays/cancelling of the project. Highlight possible problems.

Example of actions

Preventing pollution of surface water
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87. [90] **State-of-the-art and innovation:**

Provide a description of the state of the art of the technique or method. Elaborate on the technical description of the processes or methods and/or proposed innovation(s), new elements, improvements. Describe the previous research and experience carried out in preparation for the project implementing , including feasibility studies.

88. [91] **Demonstration character and dissemination plan:**

Provide a description of the technical scale of the project (pilot scale, pre-industrial scale, first full-scale application). Description of activities for monitoring/measurements (which, how?) and/or evaluation of the project. Target groups and methods for dissemination of knowledge. Comment on activities for general publicity and/or marketing of the concept during and after implementation.

89. [92] **Reproduction potential and transferability:**

Comment on the reproduction potential in the same sector of activity, in technical, socio-economic or commercial terms. Elaborate on the applicability of the technique or methods to other geographical areas, to other sectors of activity or to other environmental problems. Describe the consequences of the project at local, national and EU level. .

90. [93]Environmental Problem **: Reference should be made to specific objectives given in the Guidelines, Part 1, Application Guide.**

91. [94] **Value for money - environmental cost/benefit ratio:**

Discuss the value for money ? of the project, presenting the economic interest and viability of the technique or methods proposed. If possible indicate the environmental cost/benefit ratio (in comparison with existing methods). Include any other information that is considered essential for the evaluation of the project's environmental added value.

92. [95] Bonus points may be awarded based on information given under this heading only.

93. [96] Please specify if the technical and financial commitment has been taken or if it is the subject of an agreement in principle and with what conditions; also specify if the co-financing is only granted for certain actions or for the whole project.

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1586
15.11.05

PROVINCIA di BENEVENTO

Settore Servizi ai Cittadini

Servizio Affari Generali

Prot. n. 9947

Benevento, lì 17 NOV. 2005

U.O.: GIUNTA/CONSIGLIO

GIUNTA

AL DIRIGENTE DEL SETTORE
MOBILITA' - ENERGIA

AL DIRIGENTE DEL SETTORE
FINANZA E CONTROLLO
ECONOMICO

AI PRESIDENTI:
COLLEGIO REVISORI DEI CONTI
NUCLEO DI VALUTAZIONE
SEDE

Oggetto: **Delibera G.P. N. 840 del 07.11.2005 ad oggetto: LIFE AMBIENTE Bando per progetti dimostrativi 2005/2006 – Azione 3.2.1 Sviluppo di tecniche o metodi innovativi in grado di ridurre in modo significativo e quantificabile le emissioni di gas ad effetto serra (in tutti i settori, in particolare industria, energia, trasporti, agricoltura, silvicoltura e gestione dei rifiuti) – Provvedimenti -**

Per quanto di competenza si rimette copia della delibera indicata in oggetto, immediatamente esecutiva.

IL DIRIGENTE
Dr. ssa Patrizia TARANTO

Opu