

RECORA

Renewable Energy Cooperation of Rural Areas

FINAL EVALUATION REPORT

6th Report

(Mid 2005-End 2007)

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1. Introduction

1.1 Project, Development

See also: RECORA- Information-Portal <http://www.recora.net/info> and project documentation

RECORA (Renewable Energy Cooperation of Rural Areas)

Targets:

Main objective of the project RECORA was to intensify the cooperation of rural municipalities concerning the use of renewable energies.

Seven (eight) project partners from five countries (Austria, Germany, Czech Republic, Hungary, Greece) exchanged information and experiences on state-of-the-art technologies, legal preconditions and economic use of renewable energies.

Annotation: Because of the non-satisfying cooperation with the Regional Development Zala the project partner was excluded and the partnership broke up with this project partner respectively.

During the project assessments regarding the market chances and implementation potential for the different energy forms were realised and developed to a feasibility study in selected areas.

The expanded network disseminated experiences and results in conferences, workshops and on a website to other EU and Non-EU countries to maximise the added value for Europe.

Budget: The total budget of the project amounts to € 1,347.424.-.

Project partners:

| | |
|-------------------------|-----------------------------------------------------|
| Partner 1(Lead Partner) | Communal Waste Management Association Tulln / AT |
| Partner 2 | Agricultural Technical School Tulln / AT |
| Partner 3 | Institute for applied material flow management / DE |
| Partner 4 | Municipality of Weilerbach / DE |
| ((Partner 5) | (Communal Regional Development Agency Zala/ HU)) |
| Partner 6 | Municipality of Gödöllő / HU |
| Partner 7 | Development Agency Trebon / CZ |
| Partner 8 | Regional Secretariat of Attica / GR |

((Annotation: Because of the lack of cooperation the project partner Zala was excluded from the project.))

The GVA Tulln as applicant is responsible for project management and administration as well as financial settlements (Lead Partner).

Structure of the project:

The settlement of the project was divided in five components (cf. five work groups - WG):

1. Management and coordination (Steering Group)
2. Major parameters in renewable energy project implementation (WG Law and Finances - WG A)
3. Coordination of local/regional decision makers (WG Local Focus Groups - WG B)
4. Technical implementation assessment (WG technical implementation - WG C)
5. Public Relations and promotion (WG PR)

Besides its arrangement in five components the project RECORA also has a three-level structure:

- Level 1 is transnational and comprises all partners in the Steering Group.
- Level 2: The work groups of transnational experts work on level 2.
- On level 3 (national level) the so-called Local Focus Groups (LFGs) took up work in each partner region. They have a precious share in RECORA:

Actors: Work Groups (WG)
Local Focus Groups (LFG)
External Experts

Time plan: Duration of the project: midyear 2005 until end 2007 (5 half years)

Targets and planned outputs according to presentation of K. Hauser (15 July 2006 in Tulln)

| <i>Targets of the project</i> | <i>Planned results:</i> |
|------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| <i>Enhance cooperation</i> | <i>Comparative study on legal, administrative, financial and economic requirements</i> |
| <i>Intensify use of renewable energies</i> | <i>Handbook with generic guidelines for the implementation of renewable energy plants</i> |
| <i>Increase awareness and motivation</i> | <i>Common model business plan</i> |
| <i>Appropriate project design and implementation tools</i> | <i>Model feasibility study</i> |
| <i>Model business plan and feasibility studies</i> | <i>Marketing plan for transnational renewable energy projects</i> |
| <i>Safeguarding of jobs</i> | <i>Project website</i> |
| <i>Agricultural products as alternative energy sources</i> | <i>Project folder</i> |
| <i>Creation of necessary infrastructure</i> | <i>Permanent showroom</i> |
| <i>Sustainable use of the environment</i> | <i>Handbook for the implementation of</i> |

| | |
|-----------------------------------------------|-----------------------------------|
| | <i>selective waste collection</i> |
| <i>Independence from fossil fuels</i> | |
| <i>Material flows out of waste management</i> | |
| <i>Selective waste collection</i> | |

At the end of the project a comparative study, a marketing plan for renewable energy projects as well as a business plan and a technical handbook shall be elaborated.

Target groups are investors, initiators and multipliers.

Achieved results (most important):

Marketing plan for RE projects with comparative study

Common Business Plan and technical handbook for RE projects

Project documentation and LFG handbook

Several feasibility studies and numerous analyses (oils, burning behaviour, biogas mobility of waste materials)

(see also compilation under item 2.2.2 Targets / project results)

Development:

The INTERREG III C project „4E008I - RECORA“ was approved by the Steering Committee of the CIP „INTERREG III C East Zone“ in Vienna on 30 March 2005. Cf. Approval of the subsidy contract between the managing authority of the CIP “INTERREG III C East Zone” and the Lead Partner dated 11 July 2005. (INTERREG III C East, Joint Technical Secretariat (JTS) Museumsstraße 3/A/III, 1070 Vienna, Austria, Phone +43 (1) 4000 76 142, Fax: +43 (1) 4000 9976141, e-mail east@interreg3c.net)

The cooperation agreement between the Lead Partner and the partner of the INTERREG III C project RECORA was signed on 11 July 2005 in Grafenwörth / Tulln.

The request for changes in the INTERREG III C project RECORA with index number 4E0008I dated 13 February 2007 - “Request for changes in the operation” (exclusion of Zala, budget adaptation and changes of activities) was approved by the Steering Committee INTERREG III C East in February / March 2007 (6 March 2007).

The remaining budget of the Regional Development Agency Zala was allocated to the Municipality of Gödöllő, which should be used for activities for the implementation of selective waste collection. Also a biogas and compost training took place in the region of Attica.

Project application: 28 April 2005

Start of the project: June 2005

Changes approved: 8 June 2007

1.2 Previous project meetings, activities

Project meetings in the 2nd half year 2005

- 1. Meeting of the Steering Group (SG) with presentations and signing of the partnership agreement, Monday, 11th till Tuesday, 12th July 2005 in Tulln, LFS (Agricultural Technical School)
- RECORA- Meeting with excursion (Bad Vöslau, Güssing, Mureck) and info platform training, Monday, 19th till Wednesday, 21st September 2005 in Tulln, LFS (Agricultural Technical School)
- RECORA- meeting with excursion (Weilerbach) and possibility to participate in the Congress on Biomass Rhineland-Palatinate, Tuesday, 8th till Friday 11th November 2005 at the Environmental Campus Birkenfeld

Project meetings in the 1st half year 2006

- 2. Meeting of the Steering Group incl. Work Group meetings and excursion (Trebon and Nove Hradý) – South Bohemia, Monday, 16th till Wednesday, 18th January 2006 in hotel Zlata Hvezda, Trebon
- Meeting of the work groups/work group leaders and experts, Sunday, 26th February 2006 in Athens, Benekio, building of the Athens College
- RECORA-meeting in Gödöllő, Monday, 29th till Wednesday, 31st May 2006 in Gödöllő, Institute for agricultural techniques

Project meetings in the 2nd half year 2006

- Coordination Meeting (to harmonize existing perception differences), Saturday, 15th till Sunday, 16th July 2006 in Tulln, LFS (Agricultural Technical School) and „Plus Energy house“ in Maria Pösch
- RECORA–Coordination Meeting (budget adaptation), Thursday, 5th till Friday, 6th October 2006 in Gödöllő
- RECORA- Meeting, Tuesday, 7th till Wednesday, 8th November 2006 in Birkenfeld/Weilerbach with possibility to participate in the Congress on Biomass Rhineland-Palatinate on 9th-10th November 2006

Project meetings in the 1st half year 2007

- Coordination Meeting, Monday, 26th till Tuesday, 27th February 2007 in Tulln, A
- Meeting of the work groups/ work group leaders, Wednesday, 9th till Thursday, 10th May in Greece (Attica / Megara) with participation in the International Conference on 11th-12th May 2007
- Preparation of Final Meeting, Coordination Meeting, Thursday, 28th till Friday, 29th June in Trebon / CZ

Project meeting in the 2nd half year 2007

- Final Meeting, Sunday, 14th till Tuesday 16th October 2007 in Tulln

Miscellaneous meetings and excursions

- Local Focus Group Meetings in all partner countries (e.g.: meeting of the Local Focus Group Tulln on 4th Nov. 2005, 13th Feb. 2006, 10th July 2006 and 3rd Nov. 2006)
- Meeting of INTERREG -funded RES- Projects (RegioSustain, NorthSeaBioEnergy and RECORA); Monday, 13th till Wednesday, 15th March 06 in Kassel/Bio-energy village Jühnde
- Excursion of representatives of Greek local authorities on 6th till 8th April 2006 in the Tulln region
- Visitation of the self-sustaining farm of the Löser family in Streitdorf, Lower Austria on Sunday, 6th May 2006
- INTERREG IIIC EAST CROSS-FERTILIZATION WORKSHOP from 22nd till 23rd June in Vienna
- International Biomass Conference from 25th till 26th September 2006 in Bruges, Belgium
- Biogas and Compost Training from 16th till 18th March 2007 in Athens, Greece
- Austrian – Hungarian Workshop for the implementation of a selective waste collection, 22nd till 23rd March 2007 in Tulln
- Austrian – Hungarian Workshop for the implementation of a selective waste collection, 17th till 18th April 2007 in Gödöllő
- International Conference, 11th—12th May 2007 in Megara/Attica
- Participation in various exhibitions, fairs and conferences

SG + WG – Meetings (source: <http://www.recora.net/info>)

| | | |
|---------------------------------------------|------------|--------------|
| 1. SG + WG Meeting | Tulln | 11.-12.07.05 |
| 2. SG + WG Meeting incl. Website-training | Tulln | 19.-21.09.05 |
| 3. SG + WG Meeting incl. Biomass conference | Birkenfeld | 08.-11.11.05 |
| 4. SG + WG Meeting | Třeboň | 16.-18.01.06 |
| 5. SG + WG Meeting | Gödöllő | 29.-31.05.06 |
| 6. SG + WG Meeting incl. Biomass conference | Birkenfeld | 07.-10.11.06 |
| 7. SG + WG Meeting incl. Biomass conference | Attica | 08.-11.05.07 |
| 8. SG + WG Meeting, final meeting | Tulln | 14.-16.10.07 |

Coordination Meetings

| | | |
|-------------------------|--------|--------------|
| 1. Coordination meeting | Attica | 26.02.06 |
| 2. Coordination meeting | Tulln | 15.-16.07.06 |

| | | |
|-------------------------|---------|--------------|
| 3. Coordination meeting | Gödöllő | 05.-06.10.06 |
| 4. Coordination meeting | Tulln | 26.-27.02.07 |
| 5. Coordination meeting | Třeboň | 28.-29.06.07 |

RECORA- Events 2007 (source: <http://www.recora.net/info>)

| DATE | TOPIC | VENUE |
|--------------|------------------------------------------------------------|------------|
| 26.-27.02.07 | Coordination meeting | Tulln/A |
| 16.-18.03.07 | Biogas & compost Training | Athens/GR |
| 21.-23.03.07 | Austrian-Hungarian Workshop for selective waste collection | Tulln/A |
| 04.-06.04.07 | Excursion of Hungarian teachers and pupils | Tulln/A |
| 16.-18.04.07 | Austrian-Hungarian Workshop for selective waste collection | Gödöllő/HU |
| 09.-10.05.07 | Meeting of the Steering Group and Work Groups | Athens/GR |
| 01.06.07 | Final Meeting of network partner RegioSustain | Leipzig/DE |
| 28.-29.06.07 | Coordination Meeting | Trebon/CZ |
| 21.-22.09.07 | Excursion of headmasters from Tulln | Trebon/CZ |
| 15.-16.10.07 | Final meeting | Tulln/A |

Abstract about RECORA (source: RECORA- documentation)

RECORA is an initiative of 7 partners from 5 countries supported by the EU programme INTERREG IIIC. Main objective of the project is to intensify the cooperation of rural areas concerning use of renewable energy sources.

Main focus was chosen on the economic utilisation of alternative energy resources and on the preparation of the implementation of projects. The newest ecological findings and all necessary standards play an important role as well as taking account of the most important issues in regional development policies of rural areas in objective 1 regions.

Main issues

- creation of employment
- Material flow analyses of waste components (wood, grass, bio waste etc.) with regard to their usability in the energy production process
- Alternative use of existing agricultural products as energy resources
- Construction of necessary infrastructure
- Sustainable environmental relieving and independence from energy providers

Implementation

- Information exchange concerning state-of-the-art technologies, legal preconditions and economical use of renewable energy
- Elaboration of common standards and implementation strategies in transnational expert work groups
- Coordination of policy makers and opinion leaders in renewable energy projects on local level
- Dissemination of results in conferences, workshops and via website; exchange of experience with other projects

Structure of the project

The project implementation is divided into five components:

- Management and coordination
- Major parameters in renewable energy project implementation
- Coordination of local/regional policy makers, resource suppliers and energy users
- Technical implementation assessment
- Public relations and promotion

2. Evaluation

2.0 General overview

2.1 Organisation of the meetings Meeting

2.2 Organisation of the project (project management)

As a matter of principle, in the course of an evaluation (assessment) social, ecologic, economic and organisational criteria can be taken into account. It is intended to perform the evaluation of the RECORA project in form of semi-annual interim reports and a final report after completion of the project (cf. planned project duration: 5 half-years 2/2005 - 2/2007).

Assignment for evaluation(external):

- Participation in project meetings incl. generation of adequate reports
- Semi annual evaluation report for the progress reports (progress reports to Joint Technical Secretariat - JTS) and final reports as well as
- Oral reporting on the occasion of project meetings (if required).

The present evaluation shall mainly observe the organisation (project management and implementation) and the communication structure, it shall further assess whether the defined objectives (planned results) of the work groups and of the project as a whole have been reached.

No duty: assessment following social, economic and financial criteria.

2.0 General overview

2nd half year 2005

During the 2nd half-year 2005 three project meetings were organised.

Despite a well-planned organisation of the course of actions there partly were differences in perception and gaps in knowledge about tasks and projected outputs according to the project application, especially at the beginning of the project. At time there were difficulties in the division of the work groups (inter alia no representative of

each partner in all work groups / components). Thus work group PR was merged with work group B (LFG).

„By a more detailed reporting of the single partners / work group leaders and by joint group meetings (e.g. once per year) better communication and coordination for project implementation could be achieved, in doing so certain differences in perception and gaps in knowledge respectively could be avoided. Thereby the willingness for cooperation could be increased (see lack of cooperation in reporting).”

1st half year 2006

In the 1st half-year 2006 also three partner meetings were organised and the necessary reports compiled.

“In terms of project organisation it should be tried to enhance the communication / information between the work groups / partners to ensure an optimal flow of information. Improving the language problem should be strived for. The main idea, that each partner shall be represented in each work group by one person (not alternating participants) has to be forced much more to enhance the flow of communication / information between the partner. It is suggested to accomplish coordination meetings of the work groups “Law& Finances” (A) and “Technical implementation” to enhance the exchange of information and to attach more importance to the compliance with amicably defined dates.”

cf.: „previous experiences:

- different quality of cooperation between the partners
- linguistic problems (thus problems in understanding and coordination)“

2nd half year 2006

Also in the 2nd half-year three meeting of project partners were organised.

Besides the finalising of the regional potential analyses, the transfer of knowledge and the exchange of experience, the reporting period (2nd half year 2006) was mainly dedicated to the coordination of activities and to interim results of the single work groups.

On 15 and 16 July 2006 a Coordination Meeting took place in Tulln. There the harmonization of existing differences in perception (inter alia layout and content of the single reports) was tried and carried out respectively.

To coordinate the financial inclusions of the application with the status quo (budget adaptation) a meeting took place in Gödöllő on 5 and 6 October 2006, with poor participation.

cf. “Previous experiences inter alia:

- permanent mutual exchange of information/coordination within work groups including overview of work group results necessary to avoid idle time and double work

- execution/implementation (realisation) within the project regions depending on individual / personal interests, motivation and engagement
- elaboration of concrete work and time plans for the single half-year periods necessary (with controlling of defined tasks and dates)".

1st half year 2007

Besides finalising the regional potential analyses, the transfer of knowledge and the exchange of experience, the 1st half year 2007 (3 meetings) was mainly dedicated to coordination of activities and interim work group results regarding the planned results (outputs).

On 26 and 27 February 2007 a Coordination Meeting took place in Tulln. There the harmonization of existing differences in perception (inter alia layout and content of the single reports) was tried and carried out respectively.

On 9 and 10 May 2007 a meeting of the work groups/work group leaders took place in Greece (Attica/Athens) with the possibility to participate in an International Conference on 11-12 May 2007. There the distance between the hotel and the meeting venue raised a problem (loss of time, etc.).

To prepare the final meeting a coordination meeting was organised in Trebon/CZ on 28 and 29 June 2007.

Cf.: „Previous experiences:

- permanent mutual exchange of information / coordination within work groups, including overview of work group results with possibly pre-evaluation of open topics and questions is necessary to avoid idle time and double work, whereby professional and consistent information and shaping of opinions is required.
- execution/implementation (realisation) within the project regions depending on individual / personal interests, motivation and engagement (time capacities), whereas the achievement of objectives should be strived for continuously and consistently
- elaboration of concrete work and time plans for the single half-year periods necessary (with controlling of defined tasks and dates), in doing so the roles, expectations and tasks should be clearly defined and divided
- when choosing meeting venues the time factor should be considered (distance between hotel and meeting venue)"

2nd half year 2007

On 14 and 15 October 2007 the final meeting took place in Tulln. There some open questions concerning outputs and budget matters were clarified and the showroom (with photovoltaic installation and wind turbine) was officially opened. During a "public part" subsequent to a press conference, the results of the projects RECORA and ICNW (International Communal Network) as well as the project Biopowerpark were presented.

The results of the INTERREG III C project RECORA were summarized in a printed project documentation (brochure).

A database with types and models of renewable energy projects and the handbook with generic technical guidelines for the operation of renewable energy projects, a marketing plan and a common model business plan were elaborated and presented.

As the RECORA partners desire for a follow-up project, Ms. Claudia Pamperl from the JTS presented a review on INTERREG III C (2000-2006) and a preview on INTERREG IV C (2007-2013).

2.1 Organisation of meetings

2.1.1 Course

2.1.2 Presentations / Reports

2.1.3 Language / Communication

2.1.4 Excursions / Meetings

2.1.5 Evaluation of organisation of meetings and communication

2.1.1 Course

On the part of the organisation it was tried to define the time schedule of meeting beforehand by creating an agenda, to structure it chronologically and to organise the arrival. Despite that minor last-minute changes in the agenda and delays respectively occurred.

For reasons of efficiency in timing the respective host of the event should strive for keeping the distance between the hotel and the venue as short as possible (cf. journey between hotel and venue of more than one hour at meeting from 8-9 May 2007 and International Conference from 10-11 May 2007 in Attica).

2.1.2 Presentations / Reports

Presentations/reports held were basically well prepared and of relevance for the RECORA project. A great part of the information gained from them can be used for the benefit of the further course of the project.

Through a more detailed reporting of the single partners / work group leaders and through joint group meetings (after monitoring of open issues) better communication and coordination for the settlement of the project could be achieved. In doing so certain perception differences and gaps in knowledge respectively could be avoided. Thus the readiness for cooperation could be enhanced (see lack of cooperation at reporting), see also apparently missing overview of work group results for a long time.

On the occasion of the meeting in Trebon (28th/29th June 2007) concrete work targets (work and time plan) were defined for the final meeting with reference to the necessary

project results, whereas all partners should strive for reaching these goals and keeping the decided dates on behalf of a successful project progress.

On the occasion of the final meeting in Tulln (14-15 October 2007) the presentation / discussion of the RECORA project results was a little bit neglected because of the production of the filmlet "Dinner for RECORA" and because of the agenda item "Networking & exchange of experience".

From my point of view the printed project documentation would have deserved a more attractive layout and diligence (cf. wrong language identification).

2.1.3 Language / Communication

In the course of the project the language problem that had occurred at the beginning of the project (meeting in September 2005) could be solved by inviting more interpreters who also assisted in the work groups, although the basic problem (cf. lacking language skills of some participants – defined working languages German and English) still exists. The language problem was partly well handled by several interpreters (simultaneous translation), who also were available for the work groups.

As this is an international EU-project it should be checked to which extent partner with little or no skills in German or English should be treated with more care in order to avoid communication problems and misunderstandings. Also it should be checked in principle in how far a translation into the language of the host-country is necessary (cf. defined work languages German and English).

Communication is basically performed during the meetings and by means of electronic devices. Furthermore a website and an Internet platform were established.

This platform (programme PH-project) should be used for a smooth project organisation. This software should enable an international project progress and administration respectively to track (among others possibility to check current tasks and dates) all activities (dates, files, notes,...) via a separate login area. This intranet platform has not proven successful for information exchange, as the communication between the partners is easier and more practical via e-mail.

The evening events enabled better personal contacts between the single project partners/enhancement of personal contacts and also served for additional exchange of professional experiences/information.

2.1.4 Excursions/Meetings

In the course of the excursions some renewable energy installations were visited. There important topics, e.g. technical feasibility, legal preconditions, etc. could be discussed with the operators.

The cooperation and exchange of experience respectively with the network partners, e.g. RegioSustain (Leipzig), ICNW and Biopowerpark can also be evaluated positively.

2.1.5 Evaluation of organisation of meetings and communication

- course of the meeting basically well organised
- presentations / reports well prepared and adjusted to RECORA
- excursions positive
- evening events positive for better personal contact and additional exchange of experiences / information
- language / communication problem (cf. defined work languages German and English), simultaneous translation into multiple languages necessary?
- better reporting (keeping of minutes) on activities of work groups (cf. evaluation report for 2nd half year 2006)

Proposal: Joint work group meetings (after monitoring of open issues which need clarification) for better exchange of information and better coordination and / or more time for reporting on plans and results of the work groups during the plenum (incl. Presentation of overview of previous activities and results incl. accomplished studies of the work groups).

This proposal was partly implemented (cf. meeting in Trebon in June 2007).

2.2 Organisation of the project (project management)

2.2.1 Previous results of the single work groups

2.2.2 Targets, project results

The course of the project was following an exactly defined work plan. In semi annual Steering Group Meetings and Work Group Meetings the intermediate results were discussed and rubber-stamped. A semi annual external evaluation of the project controlled and evaluated the project progress.

The project management was divided into five components. By establishing work groups (Steering Group, Group "Law and Finance" [A], Group "Local Focus Groups" [B] and "Public Relations" [PR], Group "Technical Implementation" [C]) and by identifying responsible partners as well as objectives (planned results) the project organisation was well defined. Work Group PR was merged with work group B (LFG).

This arrangement, together with sufficient information, should enable a good overview of the project progress in the different divisions. By establishing work groups and defining objectives the coordination and evaluation of the project progress should be possible (precondition: sufficient information in the forefront and acceptance of the partnership agreement).

Within the work groups the implementation of the intended structure was fulfilled only partly. The basic idea that each partner is represented by one person (no changing

participants) in each work group should have been promoted more strongly in order to improve communication and the exchange of information between the partners. It was suggested to conduct coordination meetings (subsequent to a pre-assessment of open issues and presentation of an overview of the current work group results) of the work groups Law / Finances (A), Local Focus (B) and Technical Implementation (C) to enhance the exchange of information and to attach more importance to amicably decided deadlines.

Evaluation of the organisation of the project (project management):

- in principle well organised because of the work groups and presetting of aims but coordination could be improved (coordination meetings of work groups)
- The structure and mutual exchange of information between the work groups subsequent to a detailed clarification / assignment of tasks (incl. Presentation / overview of previous work group results) was tried to be enhanced (cf. meeting in Trebon in June 2007)
- compliance with defined tasks and deadlines according to specifications of work and time plan incl. Adequate controlling necessary
- improvement of information about tasks and duties of the project partners at the beginning of the project necessary (e.g. question on main responsibility for elaboration of marketing plan)
- Submission of results (cf. elaboration of printed project documentation) at final meeting in Tulln (14-15 October 2007)
- network created with other / similar INTERREG projects (cf. presentation of projects ICNW and Biopowerpark)
- considerations regarding a follow-up project (iRECORA)

On the occasion of the final meeting in Tulln in October 2007 the advantage was taken to look beyond one's own nose (cf. reports about other EU projects).

The evening events allowed to talk/discuss about experiences and problems at ease and to exchange valuable suggestions (mutual fortification).

2.2.1 Previous results of the single work groups

The work groups were structured according to the five components of the planned project management (Steering Group, Group Law and Finances [A], Group Local Focus – LFG [B] and Public Relations – PR, Group Technical Implementation [C])

Steering Group (Management and coordination)

Component 1: Management and coordination

Strategic focus: efficient coordination, administration and implementation of the project, reporting and accounting

Responsible partner: Lead Partner (GVA Tulln)

Involved partners: Each project partner cooperates with the Lead Partner via a local project manager and local financial manager. Each partner is represented in the Steering Committee by at least one person. The Steering Committee defines rules and procedures in the project.

Planned results: Semi annual reporting about activities and finances to the JTS and work and time plans for the single half year periods.

Except for minor setbacks the work in the single project work groups was well running, especially because of the engagement of the coordinating office and the work group leaders. But there is a lack of presence/cooperation of all partners at the meetings and in the work groups respectively. A well-structured organisation should allow sufficient flow of information between the single partners, whereby more importance should be attached to the preparation of the meetings (cf. long time missing overview of previous work group results).

Evaluation (component 1):

- coordination of administration and reporting (but partly missing overview about previous results of work groups)
- good organisation of meeting (but e.g. missing pre-evaluation of open questions)
- elaboration of concrete work and time plans for the semi-annual periods necessary

Checklist Outputs Steering Group (K. Hauser, Trebon, 28.06.2007)

COMPONENT 1-Steering Group

Responsible partner: LP

| Outputs | Responsible | 1/2005 | 2/2005 | 1/2006 | 2/2006 | 1/2007 | 2/2007 |
|-----------------------------------------------------------------------|-------------|--------|--------|--------|--------|--------|--------|
| subsidy contract | LP+PP | √ | | | | | |
| partnership agreement to be approved at the 1st (Kick Off) SG-meeting | SG | √ | | | | | |
| signed partnership agreement | LP+PP | | √ | | | | |
| management rules of procedures | SG | | √ | | | | |
| 1 meeting of local project and local finance managers | LP+PP | | √ | | | | |
| 1 start-up report | LP | √ | | | | | |
| 6 progress report | LP | √ | √ | √ | √ | | |
| final project report | LP | | | | | | |
| 6 independent evaluation reports | Evaluator | | √ | √ | √ | | |
| 5 SG meetings | LP+SG | | √ | √ | √ | √ | |

| | | | | | | | |
|-------------------------------------------------------------------------------------------|--------|--|---|---|---|---|--|
| minutes (8 hard & digital copies distributed for each SG meeting) | LP | | √ | √ | √ | | |
| 5 outlines for half year work plans for WGs (2/05, 1/06, 2/06, 1/07, 2/07) | SG+WGs | | √ | √ | √ | √ | |
| presentation of final outputs (reports, study documents, power point presentations, etc.) | LP+PP | | | | | | |

Work group Law and Finances (A) – Major parameters in the implementation of renewable energy projects

Component 2: Major parameters in the implementation of renewable energy projects

Strategic focus: legal conditions, organisation and financing (incl. financial subsidy possibilities) of renewable energy projects

Responsible partner: Municipality of Weilerbach

Involved partners: all partners, especially those with experts in finance and law

Planned results: comparative study about legal, administrative, financial and economic preconditions for the implementation of renewable energy projects, marketing plan for transnational projects, common matrix for types and models of renewable energy projects

By means of a questionnaire (data collection sheet) the legal, organisational and financial preconditions for 12 sample projects (6 categories) were collected from the partners. The specifications were integrated in a database, which was foreseen to be updated in 2007, but because of limited personal and financial resources this was postponed. A draft of a problem/solution matrix was elaborated as Excel-tables, which shall be amended by each project partner.

A marketing plan for transnational RE-projects, including a comparative study (interpretation of the results of the data base analysis) was elaborated.

Evaluation (component 2):

- evaluation of legal, organisational and financial preconditions for renewable energy projects (12 sample projects) and integration in database incl. planned update
- elaboration of a problem/solution matrix
- elaboration of a marketing plan
- lack of cooperation of some project partners (e.g. partly missing data)

Checklist Outputs (K. Hauser, Trebon, 28.06.2007)

| COMPONENT 2 - Law & Finances | | | | | | | | |
|-------------------------------------------------------------------------------------------------------------------|----------------|--------|--------|--------|--------|--------|--------|----------|
| Responsible Partner: Weilerbach (Ottmar Paulus) | | | | | | | | |
| Outputs | Responsible | 1/2005 | 2/2005 | 1/2006 | 2/2006 | 1/2007 | 2/2007 | Comments |
| | | | | | | | | |
| 5 WG A meetings | WG-Leader | | √ | √ | √ | √ | | |
| minutes (8 hard & digital copies distributed) | WG-Leader | | √ | √ | √ | √ | | |
| 5 WG progress report | WG-Leader | | √ | √ | √ | √ | | |
| 5 half year work plans for WG A (2/05,1/06,2/06,1/07,2/07) | SG + WG-Leader | | √ | √ | √ | √ | | |
| 1 short draft report on current situation per partner | WEI + PP | | √ | | | | | |
| final revised report on the current legal situation, organisation models and financing instruments in each region | WEI | | | √ | | | | |
| 1 list of recommendations for the development of new approaches in RE source uses | WEI | | √ | √ | | | | |
| data entry form for data collection | WEI | | √ | | | | | |
| database for illustration & evaluation of collected data | WEI | | √ | | | | | |
| 1 problem/solution matrix for each region | WEI | | | | √ | | | |
| 1 common matrix of RE project types and models (= 1 Datei, reported in 1/06) | WEI | | | | √ | | | |
| first rough draft of comparative study | WEI | | | | | √ | | |
| final version of the comparative study on the legal, administrative, financial & economic requirements | WEI | | | | | | | |
| rough outline of marketing plan for transnational RE projects (discussed but not written) | WEI (Paulus) | | | | √ | | | |
| draft of marketing plan for transnational RE projects | WEI (Paulus) | | | | | √ | | |
| final version of the marketing plan for transnational RE projects | WEI (Paulus) | | | | | | | |

Work group LFG and PR (B+PR) –Coordination of local/regional decision makers and public relations/promotion

Work group PR was merged with work group B.

Work group LFG –Local Focus Group (B).

Component 3: Coordination of local/regional decision makers (politicians, resource suppliers, energy customers)

Strategic focus: definition and elaboration of transnational cooperation between regions and municipalities in rural areas in the single project regions, to guarantee sustainable cooperation and effective know-how transfer even after the project's ending

Responsible partner: Regional Secretariat Attica

Involved partners: all partners especially those with experts in the field of energy industry and renewable energy sources

Planned results: common model business plan for renewable energy projects (RE-projects), business plans for concrete project ideas on local level

By establishing problem-focused regional coordination groups and by the local preconditions (compilation of relevant surveys) the organisation of LFGs could be managed in Greece.

Evaluation (component 3- LFG):

- Local Focus Groups (LFG) organised
- common model business plan for RE projects to support LFGs is available

- creation of handbook for know-how transfer (LFG-guide), consideration on better exchange of experience (combination of LFG- and work group results) available and tried respectively

Checklist Outputs (K. Hauser, Trebon, 28.06.2007)

| COMPONENT 3 - LFGs & Public Relations Responsible partner: Attika (Odysseas Katsaitis) | | | | | | | | |
|-------------------------------------------------------------------------------------------|------------------|--------|--------|--------|--------|--------|--------|----------|
| Outputs | Responsible | 1/2005 | 2/2005 | 1/2006 | 2/2006 | 1/2007 | 2/2007 | Comments |
| 5 WG B meetings | WG-Leader | | √ | √ | √ | √ | | |
| minutes (8 hard & digital copies distributed) | WG-Leader | | √ | √ | √ | √ | | |
| 5 WG B progress report | WG-Leader | | √ | √ | √ | √ | | |
| 5 half year work plans for WG B (July - Dec 05, Jan - June 06) | SG+WG-Leader | | √ | √ | √ | √ | | |
| 1 common approach on how to identify local key players (LFG-Guide by Attika) | ATT | | √ | | | | | |
| 1 list of potential, interested local actors per partner | ATT+PP | | √ | | | | | |
| 8 LFGs established and working | PP | | √ | | | | | |
| LFG-meetings | PP | | | √ | √ | √ | | |
| data analysis | WG-Leader | | | √ | | | | |
| outline of business plan | WG-Leader + Zawi | | | √ | | | | |
| 1st draft of common model business plan | WG-Leader + Zawi | | | √ | | | | |
| 2nd draft of common model business plan (Zawi) | WG-Leader + Zawi | | | | √ | | | |
| 3rd draft of common model business plan including results from WG A and C | WG-Leader + Zawi | | | | | | | |
| final version of common model business plan (8 hard copies and digital version) | WG-Leader + Zawi | | | | | | | |
| 5 first drafts of rough business plans (for concrete project ideas) (AT, HU, DE, CZ) | PP | | | | √ | | | |
| 5 2nd drafts of rough business plans (for concrete project ideas) | PP | | | | | | | |
| 5 final versions of rough business plan (1 for each LFG) | PP | | | | | | | |
| presentation of results | WG-Leader | | | | | | | |
| Study "Status & Development Prospects for RES" (Attika) | ATT | | √ | | | | | |
| SWOT-analysis | ATT | | √ | | | | | |

Work group PR

Component 5: Public Relations and promotion

Strategic focus: publication of project results

Responsible partner: Lead Partner together with all other partners

Involved partners: all partners will be involved in activities regarding PR and promotion

Planned results: information platform (internet – intranet), press conferences, folder about project and results, exhibition of models for the production of renewable energy

The existing problems with the website have obviously been solved. The partners did not use the intranet platform at the planned extent. It did not prove for exchange of information as the communication between the partners via e-mail is more convenient and easier. With the help of press conferences in the course of the meetings and press releases it was tried to create public interest in the project (cf. already produced folders, T-shirts, planned exhibition).

Evaluation (component 5- PR):

- permanent publications / press conferences / participation in fairs

- website available and updated
- folder (updated), T-Shirts, wall charts, RECORA- bags
- Newsletter 1/2/2006 until 3/4/2007 created
- partly missing contact persons for translation and updating of website
- exhibition, showroom with demonstration models at LFS Tulln available
- project documentation elaborated (printed and on CD-ROM) and videos
- handbook for the implementation of selective waste collection elaborated (Gödöllö)

Checklist Outputs (K. Hauser, Trebon, 28.06.2007)

| COMPONENT 5 - Public Relations & LFG Responsible Partner: Attika (Odysseas Katsaitis) | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------|--------------|--------|--------|--------|--------|--------|--------|----------|
| Outputs | Responsible | 1/2005 | 2/2005 | 1/2006 | 2/2006 | 1/2007 | 2/2007 | Comments |
| 5 WG PR meetings | WG-Leader | | √ | √ | √ | √ | | |
| minutes (8 hard & digital copies distributed) | WG-Leader | | √ | √ | √ | √ | | |
| 5 WG PR progress report | WG-Leader | | √ | √ | √ | √ | | |
| 5 half year work plans for WG PR (2/05,1/06,2/06,1/07,2/07) | SG+WG-Leader | | √ | √ | √ | √ | | |
| corporate design | WG-Leader+PP | | √ | | | | | |
| logo | WG-Leader+PP | | √ | | | | | |
| information platform & regular updates | LP+PP | | √ | √ | √ | √ | | |
| project folder produced (3.000 hard copies distributed in partner regions / interested institutions) | LP+PP | | √ | √ | | | | |
| publication of folder on website | LP | | √ | √ | | | | |
| press conferences (2x Göd,1xTre,1xWei) | LP+PP | | √ | √ | √ | | | |
| press reports (newspapers, TV, radio) | LP+PP | | √ | √ | √ | √ | | |
| DVDs about meetings (Tulln 05, Birkenfeld 05,Gödöllö 06,Attika 07, final meeting 07) | LP, IFAS | | √ | √ | | √ | | |
| 1st draft of permanent showroom of small scale demonstration models of RE facilities | LFS | | √ | | | | | |
| permanent showroom adapted to needs of information, motivation and demonstration of project partners, LFGs and members of public | LFS | | | √ | | | | |
| permanent showroom open to partners&LFG members | LFS | | | | √ | | | |
| permanent showroom open also to other EU-projects & RE experts | LFS | | | | | √ | | |
| opening ceremony of newly adapted permanent showroom to the general public | LP, LFS | | | | | | | |
| exhibition stands on various fairs | LP+PP | | √ | √ | √ | | | |
| 2 Austro-Hungarian PR-workshops + excursion | LP, GÖD | | | | | √ | | |
| 1 PR-handbook for implementation of selective waste collection | GÖD | | | | | | | |
| 1 international conference | | | | | | | | |
| networking with other EU projects (RegioSustain, NSBE) | LP+PP | | √ | √ | √ | √ | | |

Work group Technical implementation (C)-Assessment of the Technical Implementation

Component 4:

Assessment of the technical implementation

Strategic focus:

optimal technical solutions for the use of renewable energy sources, estimation of supply and demand of renewable energy sources, identification of critical technical parameters, elaboration of model feasibility study

Responsible partner:

City Gödöllö

Involved partners:

all partner, especially those with experts in the technical field

Planned results: handbook with generic guidelines for the implementation of renewable energy projects, technical feasibility study for concrete project ideas on local level

A questionnaire has been designed in order to collect information about the status-quo (i.e. assessment of supply and demand of renewable energy resources). On the basis of the filled in questionnaires and with the methodological help of SWOT-analysis a self-assessment of each region was done. The examination was accessible to the other partners, too. The technical handbook shows renewable energy sources and their characteristics. The different renewable energies are listed and their physical and energetical characteristics are displayed in tables. Specific values for energy efficiency and energy earning were created.

Evaluation (component 4):

- Survey of status-quo potential analysis (estimation of supply and demand)
- analyses (seaweed, press cake, waste analyses)
- handbook with technical guidelines available)
- feasibility studies subsequent to definition of parameters incl. analysis of collected data (available techniques, existing material flows, possibilities of implementation) - technical feasibility study per concrete project idea (integrative part of the business plans)

Checklist Outputs (K. Hauser, Trebon, 28.06.2007)

COMPONENT 4 - Technical parameters
Responsible partner: Gödöllő (Jozsef Hajdu)

| Outputs | Responsible | 1/2005 | 2/2005 | 1/2006 | 2/2006 | 1/2007 | 2/2007 | Comments |
|-------------------------------------------------------------------------------------------------------------------|------------------|--------|--------|--------|--------|--------|--------|----------|
| 5 WG C meetings | WG-Leader | | √ | √ | √ | √ | | |
| minutes (8 hard & digital copies distributed) | WG-Leader | | √ | √ | √ | √ | | |
| 5 WG C progress report | WG-Leader | | √ | √ | √ | √ | | |
| 5 half year work plans for WG C (2/05,1/06,2/06,1/07,2/07) | SG+WG-Leader | | √ | √ | √ | √ | | |
| 1 short survey on technical situation in each region | WG-Leader + PP | | | √ | | | | |
| 1st preliminary report on current situation in partner regions and potentials | WG-Leader + PP | | √ | | | | | |
| 1 draft of concrete list of technological parameters for the project of each partner (=feasibility study) (Zawi?) | WG-Leader | | | | √ | | | |
| 1 final version of concrete list of technological parameters for the project of each partner (feasibility study) | WG-Leader | | | | | | | |
| first outline of generic handbook | WG-Leader | | | √ | | | | |
| 1 draft of the handbook for generic guidelines (= list of contents) | WG-Leader | | | | √ | | | |
| 1 draft of the handbook for generic guidelines with integrated feedback of LFGs | WG-Leader | | | | | | | |
| final version of the handbook for generic guidelines | WG-Leader | | | | | | | |
| Study (Attica) | ATT | | √ | | | | | |

Except for minor setbacks the work in the single project work groups was well running, especially because of the engagement of the coordinating office and the work group leaders. But there is a lack of presence/cooperation of all partners at the meetings and in the work groups respectively. A well-structured organisation should allow sufficient flow of information between the single partners, whereby more importance should be

attached to the preparation of the meetings (cf. long time missing overview of previous work group results).

2.2.2 Targets/project results

In the course of the project it was tried to define concrete work targets / issues for discussion for the next meetings (favourably with monitoring of existing problems in the forefront), whereby it was to be strived for all partner reaching the goals and keeping the decided deadlines.

In the range of project organisation it should be tried to enhance the communication between the work groups to guarantee an optimal flow of information.

Database about assessment of legal, organisational and financial preconditions for renewable energy projects (12 sample projects) and summarisation in database incl. elaboration of a problem/solution matrix.

Marketing Plan (market launch plan) for renewable energy projects

The marketing plan was elaborated in cooperation of all work groups, whereby the already accomplished work documents of work groups A (law & finances) and C (technical implementation) provided the basis.

Model business plans for bio-energy installations

The common model business plan was elaborated as a „slender“ document (no complete works).

Business plans for concrete project ideas on local level.

Handbook with generic technical guidelines

The handbook with generic guidelines for the operation of renewable energy installations (RE installations) is a summary of all works (summary/compilation of all works).

LFG- handbook (LFG- guide)

Handbook for implementing selective waste collection

Project documentation

It was decided that the **target group** of marketing and business plan are investors (banks, companies, farmers, individuals), initiators (legislator, governments, municipalities) and multipliers (municipalities, VIP's, teachers, politicians, media).

Furthermore several studies were elaborated and analyses accomplished as well as brochures published in the course of the RECORA project.

The biggest part of the results of the RECORA projects are already available on the website (**www.recora.net**) as well as on a CD-ROM (cf. project documentation).

Outputs of RECORA (Source: RECORA Documentation)

Following list shows the wide spread range of outputs of the project RECORA representing studies, researches and documentations.

- Studies and researches of criteria and parameters of renewable energy sources and waste
- SWOT - Methodology Guide
- Handbook with generic technical guidelines
- Documentations about general and current conditions of renewable energy sources in European countries
- Researches and documentations about economic evaluations of plants working with renewable energy sources
- Handbook for selective waste collection
- Documentations about marketing for bio energy plants
- Final RECORA documentation
- Presentations from the biogas and compost training in Greece

Criteria and parameters of renewable energy sources and waste

- Summary of results and proposals of heat engineering experiments of sunflower and rape **[details in German] [details in Hungarian]**
 - results of the single emission measurements **[results 1-8]**
- Summary of results of the methane yield of chicken manure **[details in German language]**
- Documentation about methane yield and biogas quality of Aegina Karnagio Kolona (seaweed)
- Biogas potential measurements of seaweed analysed by FVM Mezőgazdasági Gépesítési Intézet
- Comparative analysis of sources of bio energy
 - Documentation of the results of the comparative analysis of bio energy sources and press cake **[details in German]**
- Tool for querying technical parameters for renewable energy sources
- Utilization potentials of press cake - Potential analysis of press cake
- Waste Analysis in Greece - Documentation of the results (October 2006)
 - Documentation of the results (May 2007)

SWOT - Methodology Guide

Methodology Guide - A SWOT analysis serving the research of the regions with special regard to the utilisation possibilities of renewable energy resources.

The objective of this Methodology Guide is to provide the partners involved in the RECORA programme with general guidance, thus enabling the comparability of the planning of the tasks and, in spite of the differences, the development of a general conception of utilisation. **[details in English] [details in German]**

Handbook with generic technical guidelines

On basis of data collection and in consideration of the findings from other components a handbook with generic technical guidelines for renewable energy projects was elaborated.

In the technical handbook different renewable energy sources are described with their characteristic physical and energetical characteristics regarding the needs of the project partners. In addition the handbook contains tables with specific details on their energy efficiency and yield.

The most important possible applications are explained with the aid of illustrations of the technological processes and schematic diagrams. Recommendations on technical-technological solutions follow solutions, which are of special importance for the project partners. Finally the technical handbook offers a guideline for the development of a feasibility study. Short summaries of the feasibility studies, which were accomplished in the project regions, will complete the guidelines.

Documentations about general and current conditions of renewable energy sources in European countries

- Collection and analysis of the decisive legislative, administrative, financial-support and other relevant data, parameters and conditions for the promotion of renewable energy sources
- Status and development prospects for renewable energy source
- Study on local current conditions for the development of renewable energy projects - Trebon (CZ)
- Database about major parameters for plants working with renewable energy sources (access database)
- Outputs of the database about major parameters in pdf

Researches and documentations about economic evaluations of plants working with renewable energy sources

- Data collection and assessment of current economic conditions in the region of Attica
- Business Plans for 12 bio energy plants
- Economical evaluation of bio energy projects in the Region of Tulln (Austria)
 - Feasibility study – Vegetable oil or energy corn for a district heating system for public buildings in Kirchberg am Wagram and check of options for an enlargement settlement area in Tulln-Nitzing]
 - Bio energy project - district heating system for public buildings in Kirchberg am Wagram [presentation in German language]
 - Economic evaluation for a district heating system for a business park in Langenrohr [pdf in German language]
 - Economic evaluation for a heating system for an enlargement settlement area in Langenschönbichl / Langenrohr [pdf in German language]
 - Economic comparison of heating systems for an enlargement settlement area in Fels am Wagram [presentation in German language] [pdf in German language]

Handbook for selective waste collection

Between the partners from Tulln and from Gödöllő an intensive know-how transfer of selective waste management was organized. An output of this activity was the handbook for selective waste collection.

Documentations about marketing for bio energy plants

One of the deliverables of RECORA is the marketing plan. The marketing plan is the most important output of workgroup A (WG A), which deals with the major parameters in renewable energy project implementation. WG A has to examine the current legal, administrative and financial situation in the partner regions. In comparison to each other the findings will be discussed and recommendations developed. The study shall help to create a better understanding of the most important success factors for RE projects. The marketing plan also shall work out strategies for practical procedures and deliver promotion measures. Moreover, it shall demonstrate financing possibilities for the projects, give motivation and build a basis for argumentation in favour of Renewable Energy Sources (RES).

This marketing plan is addressed to initiators and potential investors as well as decision makers in administrations, regulatory authorities, electricity or private companies, who has to assess and evaluate RES projects.

Final RECORA documentation

For the final RECORA documentation a brochure was produced.

Presentations from the biogas and compost training in Greece

- Schönbauer: Welcome
- Amon: Rohstoffe für Biogasanlagen
- Amon: Einbringung des Substrats in die Biogasanlage [video]
- Amon: Ausbringung des vergorenen Biogassubstrates [video]
- Amon: Chemische Untersuchungen des Substrates [video]

- Bala: Biogas in Niederösterreich
- Bala: Darstellung der Kosten und des Nutzens von Biogas
- Bala: Probleme bei Biogasanlagen
- Bauer: Partner für alternative Energiesysteme
- Führer: Biogastechnik
- Führer: Biogastechnik [\[video\]](#)
- Hochfelsner: Schritte zu einer Biogasanlage
- Klingenbrunner: Der Betrieb einer Kompostanlage
- Klingenbrunner: Kompostanlagen - Beispiele und bekannte Probleme
- Klingenbrunner: Kosten und Nutzen - offene Mietenkompostierung
- Meisl: Die Grüne Bioraffinerie
- Meisl: Produktionsrückstände
- Schmied: Betrieb einer Biogasanlage
- Swoboda: Lecture on the legal & technical premises for private composting practises
- Schönbauer: Anlagen zur Kompostbehandlung
- Schönbauer: collecting organic waste [\[video\]](#)

Presentations in Greek language:

- presentation 1 - compost plants
- presentation 2 - organic waste
- presentation 3 - analysis
- presentation 4 - waste treatment

| OVERVIEW STUDIES & ANALYSES | | | | | | |
|----------------------------------------------------------------------|--------|------------------------|-----------------|-------|--------------------|----------|
| STUDY / ANALYSIS | CLIENT | CONTRACTOR | AVAILABLE AT LP | | | COMMENTS |
| | | | DIGITAL | PAPER | LANGUAGE | |
| Feasibility study Kirchberg/Wagram | LP | Zawichowski | YES | YES | DE | |
| Feasibility study Nitzing | LP | Zawichowski | YES | YES | DE | |
| Feasibility study Langenrohr | LP | Zawichowski | YES | YES | DE | |
| Technological parameters & competitor analysis of bio-energy sources | LP | Zawichowski | YES | | DE | |
| Burning tests with rapeseed, helianthus, wood, seaweed | LP | FVM MGI Göd | YES | YES | HU / summary in DE | |
| Batch tests chicken manure | LP | BOKU - Amon | YES | YES | DE | |
| Batch tests seaweed | LP | BOKU - Amon | YES | YES | E | |
| Batch tests seaweed | LP | FVM MGI Göd (Ragoncza) | YES | | E | |

| | | | | | | |
|-------------------------------------------------------------------------------------|-----|-------------------------------------|-----|-----|--------------------------|-------------------------------------------------|
| Preliminary report about waste analyses in Attica (1st round) | LP | Hans Mayr | YES | | E | |
| Final report about waste analyses in Attica (2nd round) | LP | Hans Mayr | | | | |
| Oil analyses | LFS | ASG, Futtermittellabor Rosenau, RWA | NO | NO | | |
| WG C questionnaire & SWOT-analyses for the evaluation | GÖD | | NO | NO | | |
| Best practice viability study | GÖD | FVM MGI | NO | NO | | |
| Feasibility study biomass CHP | GÖD | | NO | NO | short German description | for website available |
| Feasibility study geothermal energy | GÖD | | NO | NO | short German description | for website available |
| Feasibility study use of compost heat for cooling | GÖD | | NO | NO | | short English description for website available |
| Study on local current conditions for the development of RE projects | TRE | KP Projekt s.r.o | NO | NO | | |
| Collection & analysis of decisive parameters and conditions for promoting RES | ATT | Fotis Economidis | YES | YES | E | |
| Data collection & assessment of current economic conditions in the region of Attica | ATT | George Papachristos | YES | YES | E | |
| LFG Guide | ATT | Mr. Karampatos | YES | YES | E | |
| Status & development prospects for RES | ATT | Andreas Pierrakos | YES | YES | E | |
| Report on traineeship at GVA Tulln | | Zita Karacsony | YES | YES | DE / E | |
| Report on traineeship at GVA Tulln | | Alex Katsaitis | YES | YES | E | |

3. Résumé and preview

From today's point of view the endeavoured results, inter alia a feasibility study for market chances and implementation potentials of individual sources of renewable energies, a handbook containing technical guidelines as well as technical feasibility studies for concrete project ideas on local level including a handbook for the implementation of selective waste collection, were reached. Moreover as the cooperation within and between the work groups respectively has improved in the course of time and on the other hand it was tried to solve occurred problems, whereupon the engagement of the work group leaders has to be highlighted.

In the range of project organisation it was tried to improve the communication between work groups to guarantee an optimal flow of information.

Present experiences:

- different quality of cooperation (involvement) between partners
- language problems (thus problems in understanding and coordination)
- permanent mutual exchange of information/coordination within work groups incl. overview of single work group results necessary to avoid inter alia running out of steam and double work, whereby professional and consequent information and opinion shaping are necessary
- execution/implementation (realisation) within project regions depending on individual/personal interests, motivation and engagement (time resources), whereby target achievement should be worked at continuously and consequently
- creation of concrete work and time plans for half year periods necessary (incl. controlling of determined tasks and dates), whereby roles, expectations and tasks should be clearly defined and assigned

The evening events allowed to talk/discuss about experiences and problems at ease and to exchange valuable suggestions (mutual fortification).

Preview:

After sufficient information and clarification in the forefront (at the beginning of the project) it should generally be strived for more attention on keeping the agreed structure, better mutual information, exchange of experiences between/within the work groups, more detailed clarification and determination of tasks and keeping of deadlines, in the future.

Based on the experiences and success of the project RECORA the initiative "iRECORA" was started to advise even more municipalities/regions of the advantages in using renewable energies (energy autonomy).

In doing so another landmark should be put on the multisided doorway of sustainability (e.g. reduction of energy and resource consumption as well as contaminants and CO₂ emissions). This shaping of opinions shall also be reached and handed on to the generation of adolescents especially by increased information, public relations and setting of good examples to work on the long-term conservation of the environment together. For a broad success of the project it is to be strived for inter-communal cooperation of as many municipalities/regions and their inhabitants as possible. (shaping of opinions for the use as well as supply of corresponding offers for the use and production of renewable energy forms)

By way of the planned cross-border exchange of experience (know-how transfer for the use and production of renewable energies) with integration of transnational projects and the concept of “information centres” (contact points for information, hotline, cooperation with other similar institutions, if necessary) for advice and information (inter alia possibilities of renewable energy forms) the cohesion of the regions/exchange of experience between the regions through the joint project approach shall be strengthened on the one hand and on the other hand new jobs shall be created.

February 2008

H. Siegl