

TWINNING FINAL REPORT



EUROPEAN COMMISSION

TWINNING PROJECTS FINAL REPORT

Project Title: Strengthening the capacity of the Regional Environmental Protection Agency – Bacau, the Local Environmental Protection Agencies (LEPAs) and the National Environmental Guard in implementing, monitoring and enforcement of the transposed environmental legislation focused on domestic waste management – Phase II

Submitted by: Regional Environmental Protection Agency in Bacau (Romania), Galician Environmental Agency (SOGAMA, Spain) and SenterNovem (The Netherlands)

Date: 18-09-2009

Signatures:

MS Project Leader

BC Project Leader

Twinning Contract number: RO/2006/IB/EN06

1. Overview

The **Interim Quarterly Report/Final Report** for the project comprises the following parts:

- Section 1** Basic data on the project
Section 2 Content: progress achieved in the implementation of the Twinning project during the reporting period and schedule for the remaining period
Section 3 Expenditure: actual expenditure in relation to budgeted expenditure

2. General guidance

- Throughout the entire Twinning project, at **three-monthly intervals** starting with the date of notification of endorsement / signature, the Project leaders may prepare Interim Quarterly Reports/Final Reports.
- Interim Quarterly Reports/Final Reports cover both substance and Finances.
- The deadline for submission of the **Interim Quarterly Reports/Final Reports** cannot be altered – The first interim quarterly report will most often refer to less than three months' actual project implementation, since the arrival of the RTA in the BC and the beginning of the work schedule rarely coincide with the date of notification.
- The MS Project Leader in co-operation with the BC Project Leader will submit, within the month following each quarter, the interim quarterly reports to the concerned authority (see 6.4 of the Twinning manual).
- **One copy of the Report** must be sent at the same moment to the relevant Twinning Team in the Commission Headquarters
- The Report must be submitted in one of the **following three languages: English, French and/or German.**

3. Notice

- The approval of the **Report** by the relevant authorities is without prejudice to the Commission's right to suspend the activities of a project, terminate an agreement or take any other appropriate step should subsequent verifications reveal problems or significant divergences from the work plan, the budget or the conditions of the Twinning Contract as approved.
- The views expressed in this report do not necessarily reflect the views of the European Commission

Section 1: Project data

Twinning Contract Number	RO/2006/IB/EN06
Project Title:	Strengthening the capacity of the Regional Environmental Protection Agency – Bacau, Local Environmental Protection Agencies (LEPAs) and National Environmental Guard in implementing, monitoring and enforcement of the transposed environmental legislation focused on domestic waste management – Phase II
Twinning Partners (MS and BC)	Regional Environmental Protection Agency in Bacau, Romania and Galician Environmental Agency (SOGAMA, Spain) and SenterNovem (The Netherlands)
Report Number:	Final Report
Period covered by the report:	27.02.2008 – 26.08.2009
Duration of the project:	27.02.2008 – 26.08.2009 (18 months)
Rapporteur:	<p>Mr. Luis Lamas, MS project leader, SOGAMA, Spain</p> <p style="text-align: center;">Signature</p> <p style="text-align: center;">Date</p> <p>Mr. Iulian Movila, BC project leader, Regional Environmental Protection Agency Bacau, Romania</p> <p style="text-align: center;">Signature</p> <p style="text-align: center;">Date</p>

Section 2: Content

This section describes the activities of the project. It is divided in eight sections.

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INTRODUCTION-SUMMARY

In the following a report of the activities and outputs of the Twinning Project RO/06/IB/EN/06 is provided. The project, as concluded in the wrap-up event, has fulfilled with complete success the benchmarks stated in the work plan, providing a tailored support to the beneficiaries. An extensive training programme of seminars and workshops has been delivered, as well as complementary supporting materials (documents and multimedia material), useful to both the beneficiary institutions and other key stakeholders, specially in the focal point of this project, namely domestic waste management. More than 1.100 participants attended the seminars and workshops, which implied a total of about 250 working days of MS experts.

Broad diffusion of the outputs has been achieved, spreading the materials and results of the Twinning, through continuous communication with the other environmental Twinning Projects located in the rest of the regions of Romania, through the distribution of DVDs containing the project's outputs, and specially through the elaboration of the webpage <http://www.twinning-waste-bacau.ro> , where all the outputs of the project can be accessed.

REPA Bacau and its staff have become a Focal Point in the field of domestic waste management in Romania thanks to all these activities and outputs. Moreover, the excellent relationships maintained between the main actors of this project constitute a solid basis for future collaborations between institutions of the regions and countries involved.

2A - BACKGROUND

Policy Developments

The main pieces of romanian legislation in the waste management domain appeared between march 2008 and august 2009 are the following:

- Governmental Decision 1061/2008 regarding transport of hazardous and non-hazardous waste in Romania.
- Governmental Decision 1132 of september 2008 regarding batteries and accumulators, and their waste.
- Order 669/1304 from june 2009 regarding the approval of the procedure for the registration of producers of batteries and accumulators.
- Governmental Decision 856 from august 2008 regarding the management of waste from extractive industries.
- Governmental Decision 1453 from november 2008 to modify and complete.
- Governmental Decision 788/2007 regarding the establishment of measures to apply the Regulation from the European Parliament and Council 1013/2006 regarding the transfer of waste.

Project Assumptions

During the project's lifetime, most of the assumptions of the project according to Article 3 of the Twinning Work plan have been fulfilled, and for the few cases where the implementation of a benchmark had to be re-focussed (for example because another project had already elaborated a given guideline stated as benchmark), it was done in agreement and following the needs of the beneficiaries, and explained in detail in the quarterly reports.

2B – IMPLEMENTATION PROCESS

As will be schematically shown in section 2F, the implementation of the project ran smoothly, following without long delays the schedule previewed, with the exception of activity 2.2, which was delayed following the advise of the Ministry of Environment to have activities related to Institutional Capacity better after the romanian legislative elections of the end of 2008.

2C - ACHIEVEMENT OF MANDATORY RESULTS

According to the Twinning Contract the following mandatory results were expected to be achieved through the meetings and workshops contemplated (and stated specifically for each of the mandatory results, see Article 3 of the Twining Contract):

- 1.** Strengthened institutional capacities at regional and local levels in terms of good institutional management and technical performances of staff.
- 2.** All Regional and Local EPAs (REPA and LEPAs) involved in permitting, monitoring and inspection trained.
- 3.** Regional component of the relevant strategic and planning documents on environmental protection reviewed and improved/updated.
- 4.** Data collection/storage systems improved.
- 5.** Programmes for remediation actions/measures of contaminated sites in the region developed.
- 6.** Improved capacities and capabilities of IB to perform the delegated tasks regarding the implementation of SOP Environment.
- 7.** REPA Bacau acting as Focal Point for the other REPAs/LEPAs/NEG/NEPA regarding the technically focussed activities in domestic waste management sector.
- 8.** National guidelines/standards, procedure manuals provided by the Focal Point on its technically focussed activities disseminated.
- 9.** Trained staff with well developed skills for the specific areas of the Focal Point.

The mandatory results have been achieved through the implementation of the programme of activities. More specifically the missions, which will be described in detail in section 2D, contributed to the mandatory results in each quarter as follows:

First quarter:

Activities **1.1** (Kick-off Meeting), **2.1**, **3.1.1**, **3.2.1**, **3.3.1**, **3.4.1**, **3.5.1** and **3.7.1** (all of them preliminary meetings of their respective component or subcomponent) were finalized and the respective benchmarks reached. The respective programmes of missions for those subcomponent constituted the first step in the achievement of mandatory results **1-4** and **7-9**.

Second quarter:

The respective programmes of missions elaborated in the missions **3.6.1, 3.8.1 and 3.9.1** constituted the first step in the achievement of mandatory results **1, 3, 5, and 6**. Missions **2.2.a** and **3.1.2.b** contributed mainly to mandatory results **1** and **3**, missions **3.2.2.a** and **3.7.2.a** to mandatory results **2** and **4**, mission **3.1.2.a** to mandatory result **1**, and mission **3.3.2.a** to mandatory results **2, 4, 7** and **9**.

Third quarter:

Missions **3.2.2.b** and **3.2.2.c** contributed mainly to mandatory results **1, 2** and **4**, missions **4.1.a, 4.1.b, 4.2.a, 5.2.1** to mandatory results **1, 7** and **9**, mission **3.4.2.a** to mandatory results **1** and **4**, mission **3.5.2.a** to mandatory results **1**, and **3**, mission **3.7.2.b** to mandatory results **1, 2** and **4**, mission **3.8.2.a** to mandatory result **3**, and missions **3.9.2.a, 3.9.2.b** to mandatory results **1**, and **6**.

Fourth quarter:

Mission **2.2.b** contributed mainly to mandatory results **1** and **4**, mission **3.2.2.d** to mandatory results **1, 2** and **4**, missions **3.3.2.b, 4.2.b**, to mandatory results **1, 7, 8** and **9**, mission **3.4.2.b** to mandatory results **1, 3** and **4**, mission **3.5.2.b** to mandatory results **1**, and **3**, mission **3.6.2.a** to mandatory results **1** and **5**, mission **3.9.2.c** to mandatory results **1** and **6**.

Fifth quarter:

Mission **2.2.c** contributed mainly to mandatory results **1, 7, 8** and **9**, mission **3.1.2.c** to mandatory result **1**, mission **3.4.2.c** to mandatory results **1, 3** and **4**, mission **3.6.2.b** to mandatory results **1** and **5**, mission **3.8.2.b** to mandatory result **1**, mission **3.9.2.d** to mandatory results **1** and **6**, and missions **4.1.c, 4.1.d, 4.2.c, 5.2.2**, to mandatory results **1, 7, 8** and **9**.

Sixth quarter:

Missions **2.2.d, 2.3** and **3.1.3** contributed mainly to mandatory result **1**, missions **3.2.2.e** and **3.2.3** to mandatory results **1** and **2**, mission **3.4.3** to mandatory results **1, 3** and **4**, missions **3.5.2.c** and **3.5.3** to mandatory results **1, 3** and **4**, missions **3.6.2.c** and **3.6.3** to mandatory results **1** and **5**, mission **3.7.3** to mandatory result **1**, missions **3.8.2.c** and **3.8.3** to mandatory results **1** and **2**, mission **3.9.3** to mandatory result **1**, and missions **4.1.e, 4.3, 3.3.3** to mandatory results **1, 7, 8** and **9**.

Fulfillment of benchmarks:

All benchmarks have been fulfilled. As commented in the subsection "Project assumptions", for the few cases where the implementation of a benchmark had to be re-focused (for example because another project had already elaborated a given guideline stated as benchmark in the work plan), it was done in agreement and following the needs of the beneficiaries.

Going into more detail:

The training programme of seminars and workshops was fulfilled, covering all subjects established in the inception seminars in the beginning of the project, and moreover in the evaluation seminars of each of the components that took place in the months of June and July 2009 the opportunity was taken to provide extra training in some topics demanded or agreed with the beneficiaries. More than 1.100 participants attended the seminars and workshops.

The following materials have been delivered:

- A set of documents and supporting materials for the elaboration of training courses, which includes an example of introductory course in the IPPC field (benchmark of activity 2.2)

- Guidelines for an improved functioning of REPA, LEPA and NEG administrations: compilation of recommendations provided by the MS experts during the training sessions of the Twinning Project (benchmark of activity 2.2)
- Translation of the IMPEL guideline for the planning of environmental inspections (part of benchmark of activity 3.2.2)
- Translation of a spanish checklist of specific contents to be included in all IPPC permits (supporting material of seminar 3.2.2.c)
- Translation of a spanish checklist of specific contents to be included in IPPC permits for landfills (supporting material of seminar 3.2.2.c)
- Translation of 15 examples of spanish IPPC permits from different sectors of interest for the romanian beneficiaries: permit for a landfill, pigs farm, poultry farm, cement kiln, polymers factory, fine chemistry factory, paints factory, fertilizers factory, waste treatment plants, sugar factory, slaughterhouse, galvanization plant, raffinery and large combustion plant (part of benchmark of activity 3.2.2)
- A document providing information on how public benefit schemes can accelerate the process of finding a location for a landfill (benchmark of activity 3.3.2)
- Report on the training sessions and guidelines for improvements in the subjects analyzed in the seminars of activity 3.4.2 (benchmark of activity 3.4.2)
- Romanian translation of several documents (or big parts of those documents) related to the inventory and management of habitats and species (benchmark of activity 3.5.2):
 - o Red book for birds of Spain
 - o Course on the inventory of animals
 - o Management of the capercaillie: experiences in France
 - o Forestry management compatible with the conservation of birds and bats
 - o Management plan of the wolf of Castilla y León
 - o Population level management plans for large carnivores
 - o Guidelines for the conservation of specific bird species in SPAs
 - o Measures and financing sources for the conservation of bird species
 - o EIA of wind farms
 - o LIFE projects on the management of rivers
- Translation of the soil risk assessment software Csoil (supporting material of seminar 3.6.2.b)
- Compliance checklist for environmental authorities monitoring the implementation of the REACH Regulation (benchmark of activity 3.7.2)
- Guidelines for the optimization of the information network on dangerous substances including the chemical composition on mixtures placed on the market, especially to share poison information (benchmark of activity 3.7.2)
- Translation of the insurance for civil and environmental liability in Spain (supporting material of seminar 3.8.2.c)
- Translation of the checklist used by the Spanish Management Authority for projects cofunded by Structural and Cohesion Funds, which includes a section on environmental criteria to be fulfilled (part of benchmark of activity 3.9.2)
- DVD "landfills and waste treatment facilities", including guidance documents and multimedia material for the management of landfills, waste sorting plants and open air composting plants (benchmark of activity 4.1). Some materials related to landfills were provided by Twinning RO-06-IB-EN-04 in Craiova.
- Document "Benchmarking of Municipal Solid Waste management for local authorities" (part of benchmark of activity 4.1)
- DVD "home composting", with multimedia material to support the implementation of home composting programmes in rural and semi-rural areas (benchmark of activity 4.2).
- DVD "school composting", with multimedia material to support the implementation of environmental awareness programmes in schools based on composting experiences (benchmark of activity 4.2). It includes videos made by romanian schools which

implemented such programmes with the guidance of this Twinning and the Twinning which preceded it.

- Document "Guidelines on compost quality standards and compost marketing" (benchmark of activity 4.2).
- Document "Life-cycle approach to waste policy: the Dutch waste chain approach in waste policy" (benchmark of activity 4.2).
- Document "Examples of campaigns on home composting" (benchmark of activity 4.2)
- Translation of several pieces of spanish and dutch legislation which were requested by the staff of the Ministry of Environment which participated in activity 4.3, more specifically on construction and demolition waste, on used oils and on waste batteries. The translations were reviewed by experts from REPA Bacau and sent to the staff of the Ministry (benchmark of activity 4.3).
- Website of the project with all materials (excluding some videos presented in the DVDs, too large to upload), www.twinning-waste-bacau.ro .
- DVD with a compilation of the materials produced and presented during the project (excluding some multimedia material from the other DVDs produced within the project which was too big to fit in a single DVD).

The benchmarks which were affected by unfulfilled assumptions or overlapping with other projects, and the actions taken, were the following, as stated in the quarterly reports and Steering Committees:

From act. 3.1.2 (Environmental planning and policy):

- Improvement and updating of environmental and geographical information systems set up for the Regional and Local Action Plans.

There are still no Geographical Information Systems implemented in the Region. Regarding environmental information systems, a seminar (2.2.b) on that topic was provided, and several issues were discussed with the participants (coming from the PPRR departments of REPA and LEPAs), often referring to how to communicate with the public and mass media, providing solutions and recommendations to the problems posed. Therefore, given the circumstances, this benchmark was achieved.

From act. 3.2.2 (IPPC):

- Guidelines for the establishment of methodologies in the permitting and monitoring phases produced by month 13.

Regarding methodologies in the monitoring phase, a guideline on this issue had been produced already by the NEPA Twinning project, so this benchmark is achieved already otherwise. A need which was detected in the seminars and discussions with IPPC experts from REPA, LEPAs and NEG is a guideline for planning inspections. It turns out that the IMPEL network had produced a very useful guideline in that subject, in english, which was already beginning to be used by NEG in Region 6 – NW. It was considered by the NEG authorities as very useful if a romanian version could be delivered and spread, therefore it was considered that the resources available corresponding to the already achieved benchmark should be used to deliver a romanian version of the IMPEL guideline, and spread it to the authorities involved in inspections.

From act. 3.3.2 (Waste management):

- Analysis of the data collection system performed by month 13.

Such an analysis was performed in the Phase I Twinning Project two years ago, and the experts from REPA have explained that since then there have been no significant changes, so this

benchmark was achieved already otherwise. What the Phase II Project did was to send to the Ministry of Environment and Sustainable Development the analysis of Phase I (which formed part of a guideline on waste data collection and storage), in order to obtain the approval to spread it to the rest of the Regions and upload it in the webpage of the Twinning.

From act. 3.4.2 (Air quality and climate change):

- Action plans and programmes for air quality management and emissions' reduction prepared/updated by month 15.

This benchmark was addressed as follows:

- i) In seminar 3.4.2.a presentations and discussions about methodologies and implementation of air quality action plans and programmes in urban areas were discussed, based on examples from cities from Spain. Also an analysis of the air quality data of the city of Iasi was performed, presented and discussed with the participants,
- ii) In seminar 3.4.2.b methodologies and implementation of air quality plans & programmes in industrial areas were presented and discussed, based again on examples, this time of industrial areas located in the Spanish region of Andalucía.
- iii) In the Region 1 – North-east only the city of Iasi is obliged to develop such a plan for air quality management and emissions' reduction. This plan was elaborated about 1 year ago. The Twinning team offered to the responsables from the municipality of Iasi in charge of the elaboration, implementation and monitoring of this plan the possibility to review it and make suggestions, but there was no demand for that support.

Therefore, given the circumstances, this benchmark is achieved.

From act. 3.5.2 (Nature protection and biodiversity):

- Inventories of species and natural habitats updated by month 13.

In agreement with the Romanian beneficiaries, the way this benchmark was addressed is as follows:

- i) Delivering a document on programming of inventories of endangered species, describing afterwards a couple of examples of elaboration of inventories and management of endangered species of Spain which are also endangered species in Region 1 – North-east.
 - ii) In the seminar 3.5.2.c of this activity discussions took place about some endangered species present in the Carpathians and ways to perform its inventory.
- Procedures for validation of on-line up-dating of information by month 14.

To address this benchmark, the translation of the methodology of elaboration of the red book of endangered bird species of Spain was provided.

- Data collection / storage system up-dated and reinforced 16.

Due to the current situation of the environmental structures involved in the monitoring and management of protected areas in Romania, where there is still uncertainty about what will be done to establish the new data collection and storage system, and which of the currently existing databases will be used as sources for the creation of the new one, the way chosen to address this benchmark was to provide information about the way the catalogues of species are done and monitored in Spain, at national level, and at regional level in the case of the region of Castilla y León, through the delivery of the translations of some of the documents listed before.

From act. 3.6.2 (Soil/subsoil protection and ecological reconstruction):

- Guidelines to develop analysis programmes for contaminated sites elaborated by month 16.

Guidelines had already been produced in the context of the Technical Assistance Project led by Royal Haskoning (Nr. Proiect: 9S2318, Referinta: 9S2318.01/R000010/501626/Rott), namely the protocols on "Historic investigation" and "Preliminary and detailed investigation" belonging to the set of documents "Strategia Națională pentru Managementul Ariei Contaminate, România". They were discussed with the participants of seminar 3.6.2.a, which had already received them months ago from the National Environmental Protection Agency, and all agreed that they address in a comprehensive and practical way the elaboration of analysis programmes for contaminated sites. Therefore, this benchmark has been achieved already otherwise.

From act. 3.8.2 (Horizontal legislation):

- Procedural guidelines on EIA and SEA studies' reports delivered by month 14.

Procedural guidelines on EIA and SEA had been produced within other PHARE Projects, namely EuropeAid/121491/D/SER/RO and EuropeAid/112525D/SV/RO, and can be found in the website of the National Environmental Protection Agency: i) In <http://www.anpm.ro/content.aspx?id=55> several guidelines on SEA for plans and programmes can be found, and ii) in <http://www.anpm.ro/content.aspx?id=54#proceduri> a manual on EIA for projects, plus a guideline on public participation during the EIA process. The existence of these guidelines was notified to the environmental agencies of the Region, to ensure its spreading. Therefore, this benchmark has been achieved already otherwise.

In seminar 3.8.2.a within this activity the spanish experts discussed as well with the romanian experts the EIA and SEA procedures, based on practical cases.

From act. 4.1 (Focus activity on domestic waste management: Support to assess feasibility of new technological approaches to be applied for household waste sorting/treatment in the context of the Regional Plan for Municipal Waste Management, including associated investment costs):

- Analysis on the feasibility and adequacy of the different technologies for waste sorting/treatment in the North-East Region performed through the common work by month 16, doing a case by case study of the 6 counties.

Such an analysis had been performed already in 4 out of the 6 counties by two PHARE Technical Assistance Projects, namely EuropeAid/123052/D/SER/RO and EuropeAid/123067/D/SER/RO, through the elaboration of the Solid Waste Management County Master Plans, while in the remaining 2 counties such analysis is under development, one with the aid of the PHARE Technical Assistance Project EuropeAid/122693/D/SER/RO. In this context, the contribution of this Twinning Project was to make a comparative analysis of the results for different waste management indicators for the 6 counties, done and discussed in seminar 3.3.2.b.

2D. ACTIVITIES IN THE REPORTING PERIOD

During the reporting period, the following activities have taken place in the different components:

Component 1

Activity 1.1

Reference number and title of Activity: 1.1 – Opening Event

Names of MS experts who delivered it: J. Álvarez (MS PL, Spain), H. Huisman (JP Coordinator, The Netherlands), C. Seoáñez (RTA), P. Ródenas (representative of FIIAPP, Spain).

Number of experts from the BC who participated and their departments of origin: 13 experts (3 from REPA, 6 from LEPAs, 1 from NEG, 1 from MESD, 1 from IB SOP Environment Region 1)

Duration of the activity (mission): March 31st , 2008

Main output: Official start of the project, with press releases in Spain and Romania.

Activity 1.2

Reference number and title of Activity: 1.2 – Closure events.

Names of MS experts who delivered it: A. García and D. Pérez (STEs, Spain).

Number of experts from the BC who participated and their departments of origin: 19 (2 experts from NEPA, 4 from REPA, 1 from IB SOP Environment, 10 from LEPAs, 1 from the NGO CRC Bacau and 1 from the University of Bacau).

Duration of the activity: 28th – 29th july 2009.

Main outputs:

- The results of the Twinning were presented by the RTA, and also information was provided on the new collaborations which have been established or are under development now, by the spanish experts and by the rector of the University of Bacau. All the participants expressed their complete satisfaction with the project, which has fulfilled all its objectives and benchmarks, providing a tailored, practical training, to more than 1100 romanian beneficiaries in the last year and a half.
- Discussions were held with the romanian Project Leader about the steps to take to present a common LIFE+ project on home composting which would include the participation of local administrations and public authorities from Galicia and from the Region North-east of Romania.

Component 2

Activity 2.1

Reference number and title of Activity: 2.1 - Preliminary analysis meeting on Institutional Capacity

Names of MS experts who delivered it: J. Ruiz (STE, Spain), C. Seoánez (RTA)

Number of experts from the BC who participated and their departments of origin: 9 experts (5 from REPA, 3 from LEPAs and 1 from NEG)

Duration of the activity: 15 – 16 may 2008

Main output: Programme for the seminars and workshops of the rest of activities of component 2 established.

Activity 2.2 (first seminar, 2.2.a)

Reference number and title of Activity: 2.2 - Support in the implementation of the specific requirements in the daily tasks in Institutional Capacity.

The title of this first seminar is “Analysis of the coordination between the different administrations for the integration of environmental protection in the regional development”

Names of MS experts who delivered it: J. Ruiz (STE, Spain), J.J. Gil (STE, Spain)

Number of experts from the BC who participated and their departments of origin: 9 experts (5 from REPA, 5 from LEPAs, 5 from NEPA, 1 from IB SOP Environment and 1 from NEG)

Duration of the activity: 24 – 25 July 2008

Main output: Presentations and training given to Romanian experts from diverse environmental administrations on the following subjects:

In Bacau: i) Presentation of the Consortium of Waters and Wastes of the region of La Rioja as a formula of organisation and management, ii) Detailed explanation of the waters management in La Rioja, and of the existing financial and fiscal instruments for the exploitation of the infrastructures and the management of the related services, iii) Basic reference to the law of rights to the access to environmental information in Spain, and on the limits it imposes to the confidentiality of this information, iv) Coordination formulas between the environmental and economic promotion administrations: Example of voluntary agreements with the industrial sectors to internalize the environmental costs of their productive systems.

On Friday 25, at the headquarters of NEPA in Bucharest, the subjects i) and ii). The seminar in Bucharest was organised in collaboration with the NEPA Twinning Project RTA, Mr. Lothar Güendling, his Counterpart, Mrs. Corina Rugina and the General Director of the Directorate General for Implementation of Environmental Policies of NEPA, Mrs. Mihaela Petcu.

Activity 2.2 (second seminar, 2.2.b)

Reference number and title of Activity: 2.2 - Support in the implementation of the specific requirements in the daily tasks related to Institutional Capacity.

The title of this second seminar is “Environmental Information Systems”

Names of MS experts who delivered it: Julio Arca (STE, Spain).

Number of experts from the BC who participated and their departments of origin: 9 (2 experts from REPA and 7 from LEPAs).

Duration of the activity: 4 – 5 December 2009.

Main outputs:

- Training delivered and discussions held with the participants on several issues, based on case studies of Spain i) Introduction to Environmental Information Systems: service given to the decision makers and to the citizens, EU and national legislation regarding environmental information, ii) Models for Environmental Information Systems, iii) Indicators and Systems of Indicators, iv) Basic criteria for project management, v) Study case: Creation and evolution of the Environmental Information System of Galicia, vi) Analysis of the management of environmental information in the North-East Region. Current status and previewed evolution.
- A document with recommendations, based on the discussions held. (see annexes; can be downloaded from the Twinning's webpage)

Activity 2.2 (third seminar, 2.2.c)

Reference number and title of Activity: 2.2 - Support in the implementation of the specific requirements in the daily tasks related to Institutional Capacity.

The title of this third seminar is "Legal framework & management of used oils and construction & demolition waste. Noise problems. Voluntary agreements"

Names of MS experts who delivered it: J. Ruiz, A. Fanlo (STEs, Spain).

Number of experts from the BC who participated and their departments of origin: 19 (2 experts from NEPA, 2 from REPA, 6 from LEPA, 3 from NEG, 1 from a County Council, 4 from the University of Bacau and 1 from SC DEMECO SRL).

Duration of the activity: 31st march – 1st april 2009.

Main outputs:

- Training delivered and discussions held with the participants on several issues, based on case studies of Spain i) Measures to take by the Public Administration when there are complaints due to excessive noise generation of a certain activity. Legal framework, spanish and romanian cases, ii) Legal framework and management of used mineral and vegetable oils. Example of La Rioja, iii) Voluntary agreements of the wood processing and furniture industries, to manage their waste, iv) Legal framework and management of Construction and Demolition Waste. Old industries, waste contaminated with hazardous products, asbestos. Discussion of examples from Spain and Romania.
- A document with recommendations, based on the discussions held. (see annexes; can be downloaded from the Twinning's webpage)

Activity 2.2 (common work, mission 2.2.d)

Reference number and title of Activity: 2.2 - Support in the implementation of the specific requirements in the daily tasks related to Institutional Capacity.

The title of this fourth mission is "Supplementary common work to prepare the guidelines for the design of training programmes"

Names of MS experts who delivered it: V. Inglezakis (STE, Spain).

Number of experts from the BC who participated and their departments of origin: 2 (2 experts from REPA).

Duration of the activity: 26th – 29th may 2009.

Main outputs:

- Guidelines for the designed of training programmes ready, including an example of introductory training course for new staff involved in the granting of IPPC permits.

Activity 2.3

Reference number and title of Activity: 2.3 - Evaluation of programme of activities 2.2. Sustainable development of rural areas & ecological agriculture.

Names of MS experts who delivered it: J. Ruiz (STE, Spain).

Number of experts from the BC who participated and their departments of origin: 3 (1 expert from REPA and 2 from LEPAs).

Duration of the activity: 9th – 10th July 2009.

Main outputs:

- Discussions were held on case studies of sustainable development of the territory, combined with the promotion of ecological agriculture and conservation of biodiversity, exploring the possibility of extending them to the North-east Region of Romania: i) Policies for rural development projects' assessment in the UK: "Cardiff Methodology", ii) Measures taken to improve the living standards of the population and biodiversity in the Reserve of the Biosphere "Valles del Leza, Jubera, Cidacos, Alhama" of La Rioja, Spain, iii) Creation of local associations and circuits to promote ecological agriculture in Spain.
- The answers to a questionnaire previously distributed to the participants of seminars of activity 2.2 was analyzed, elaborating afterwards a final evaluation report and recommendations for this component of the Twinning Project.

Component 3

Activity 3.1.1

Reference number and title of Activity: 3.1.1 – Preliminary meeting on Environmental Planning and Policy

Names of MS experts who delivered it: A. Calatayud (STE, Spain), C. Seoáñez (RTA)

Number of experts from the BC who participated and their departments of origin: 12 (3 from REPA, 9 from LEPAs)

Duration of the activity: 14 – 15 April 2008

Main output: Programme for the seminars and workshops of the rest of activities of subcomponent 3.1 established.

Activity 3.1.2 (first seminar, 3.1.2.a)

Reference number and title of Activity: 3.1.2 – Support in the implementation of the specific requirements in the daily tasks on Environmental Planning and Policy.

The title of this first seminar is "Environmental awareness and communication"

Names of MS experts who delivered it: M.E. Campos (STE, Spain).

Number of experts from the BC who participated and their departments of origin: 62 (6 from REPA, 7 from LEPAs, 3 from NEG and 46 teachers and students from the University of Bacau).

Duration of the activity: 17 – 19 June 2008.

Main output: Training delivered to the participants on the environmental awareness and communication philosophy, campaigns and methods carried out by the Galician Environmental Agency SOGAMA in the last 2 years, speaking about successful and unsuccessful experiences, analyzing the reasons underneath.

A special feature of this seminar was the fact that it was hosted by the University of Bacau thanks to its Vice-chancellor, Prof. Valentin Nedeff, representing a first collaboration experience between the Twinning Project, REPA Bacau and the University.

Activity 3.1.2 (second seminar, 3.1.2.b)

Reference number and title of Activity: 3.1.2 – Support in the implementation of the specific requirements in the daily tasks on Environmental Planning and Policy.

The title of this second seminar is “EU Funds and integration of environment in other sectoral policies: Spanish Network of Environmental Authorities”.

Names of MS experts who delivered it: R. Zorita (STE, Spain).

Number of experts from the BC who participated and their departments of origin: 33 (4 from REPA, 3 from IB SOP Environment, 6 from LEPAs, 5 from NEPA, 3 from Apele Romane, and 12 representatives from other institutions (from REPA and LEPA Bucharest, from local water operators and trainees of the Young Professional Scheme trained at NEPA)).

Duration of the activity: 23 – 25 June 2008.

Main output: Training delivered to the participants on 2 main subjects: i) Spanish examples of how to use different kinds of EU Funds to make environmentally sustainable projects, both purely “environmental” projects and projects not belonging specifically to the environmental sector, but who have to integrate environmental considerations if they are to be approved. ii) the Spanish Network of Environmental Authorities as an example of network where stakeholders of different administrations involved in the development of EU funded projects meet and work in order to improve the quality of those projects, making them economically and environmentally more sustainable.

Two seminars were given, one in Bucharest and one in Bacau. The seminar in Bucharest was organised in collaboration with the NEPA Twinning Project RTA, Mr. Lothar Güendling, and his Counterpart, Mrs. Corina Rugina, setting a starting point of a collaboration between those two projects on the subject of collaboration between different administrative bodies and coherence between several policies.

Activity 3.1.2 (third seminar, 3.1.2.c)

Reference number and title of Activity: 3.1.2 - Support in the implementation of the specific requirements in the daily tasks in Environmental Planning and Policy.

The title of this third seminar is “Operational Programme ERDF Galicia, and its Strategic Environmental Assessment”

Names of MS experts who delivered it: A. García (STE, Spain).

Number of experts from the BC who participated and their departments of origin: 9 (5 experts from LEPA. Meetings held with 1 expert from REPA, 2 from County Council Bacau and 1 from the University of Bacau).

Duration of the activity: 21 – 22 may 2009.

Main outputs:

- Training delivered and discussions held with the participants on several issues, based on case studies of Spain: i) Presentation of the Operational Programme ERDF Galicia 2007-2013, ii) Elaboration of the Operative Programme: participation of the social agents, iii) Strategic diagnosis of the situation, iv) Selection of the strategy: reorientation, v) The Convergence Strategical Framework of Galicia 2007-13 (MECEGA), vi) Strategical axes and priority subjects, vii) Strategic Environmental Assessment of this Operational Programme from Galicia.
- A document with recommendations, based on the discussions held. (see annexes; can be downloaded from the Twinning's webpage)

Activity 3.1.3

Reference number and title of Activity: 3.1.3 - Evaluation of programme of activities 3.1.2. Successful example of environmental-touristic project.

Names of MS experts who delivered it: A. Calatayud (STE, Spain).

Number of experts from the BC who participated and their departments of origin: 5 (2 experts from REPA, one from LEPA, one from NGO CRC Bacau, 1 from Parcul Vanatori Neamt).

Duration of the activity: 2nd – 3rd july 2009.

Main outputs:

- The spanish expert presented an example of good project, proposing the possibility to develop similar projects together with romanian administrations within the Interreg EU Programme. The project was the environmental-touristic project of O Grove, which was selected among 200 projects funded by the Spanish Biodiversity Foundation as the 2nd best in 2008. It consisted in the elaboration and implementation of an action plan to put into value the ornithological potential of the area belonging to the municipality of O Grove, promoting environmental awareness actions and preparation of infrastructures to increase eco-tourism..
- The answers to a questionnaire previously distributed to the participants of seminars of activity 3.1.2 was analyzed, elaborating afterwards a final evaluation report and recommendations for this component of the Twinning Project.

Activity 3.2.1

Reference number and title of Activity: 3.2.1 - Preliminary meeting on IPPC

Names of MS experts who delivered it: I. Elorrieta (STE, Spain), C. Seoáñez (RTA)

Number of experts from the BC who participated and their departments of origin: 6 (4 from REPA and 2 from LEPA)

Duration of the activity: 17 – 18 april 2008

Main output: Programme for the seminars and workshops of the rest of activities of subcomponent 3.2 established.

Activity 3.2.2 (first seminar, 3.2.2.a)

Reference number and title of Activity: 3.2.2 - Support in the implementation of the specific requirements in the daily tasks in the IPPC sector.

The title of this first seminar is "IPPC Directive implementation in Spain, EPER/PRTR register and public information".

Names of MS experts who delivered it: I. De Vicente-Mingarro (STE, Spain).

Number of experts from the BC who participated and their departments of origin: 15 (10 from REPA and 5 from LEPAs).

Duration of the activity: 7 – 8 July 2008.

Main output: Training delivered and discussions held with the participants on several issues of IPPC/PRTR Legislation in Spain: i.e. general overview of IPPC/PRTR legal acts and principles, general administrative procedure for granting the IPPC permits, new requirements on environmental information for the industry and for the Competent Authorities (emissions registers and information on Environmental permits); Public participation and public information on IPPC/PRTR issues. Also the electronic tools developed in Spain for gathering, managing and disseminating the environmental information related to IPPC/PRTR issues.

On the other hand, this previous knowledge of the Spanish system will also be a good help for the more specific discussions which will be held in the rest of seminars planned within this activity.

Activity 3.2.2 (second seminar, 3.2.2.b)

Reference number and title of Activity: 3.2.2 - Support in the implementation of the specific requirements in the daily tasks in the IPPC sector.

The title of this second seminar is "IPPC permits, technical requirements, case studies about large combustion plants, problems and solutions"

Names of MS experts who delivered it: C. Canales and L. Santolaria (STEs, Spain).

Number of experts from the BC who participated and their departments of origin: 16 (3 experts from REPA, 7 from LEPAs and 4 from Apele Romane (Directia Apelor Siret)).

Duration of the activity: 23 – 24 October 2008.

Main outputs:

- Training delivered and discussions held with the participants on several issues, based on case studies of Spain: i) IPPC permits: administrative procedures, technical aspects (ELV and BAT, information exchange...), environmental information transparency, ii) Large combustion plants, case studies of permits delivered or denied to that kind of facilities, iii) Debate on the main problems present in the IPPC permits.
- A document with recommendations, based on the discussions held. (see annexes; can be downloaded from the Twinning's webpage)

Activity 3.2.2 (third seminar, 3.2.2.c)

Reference number and title of Activity: 3.2.2 - Support in the implementation of the specific requirements in the daily tasks in the IPPC sector.

The title of this third seminar is "IPPC permits in the fields: i) Pigs and poultry farms, ii) Waste, obtention of fuel. Biogas".

Names of MS experts who delivered it: M. Colmenares and M. Rodrigo (STEs, Spain).

Number of experts from the BC who participated and their departments of origin: 17 (10 experts from REPA and 7 from LEPAs).

Duration of the activity: 24 – 26 november 2008.

Main outputs:

- Training delivered to the participants on the following subjects: i) Thermal waste treatments for waste (incineration, plasma, gasification): description, case studies and IPPC permits, ii) Solid recovered fuels: case study, permit, iii) Use of waste in the cement sector, case studies, permits, iv) Biogas sector in Spain: feed in tariff system, permits, v) Intensive rearing of pigs and poultry: the sector in Spain, administrative bodies involved in the permits, requirements, case studies of permits from different spanish regions, guides of BAT in Spain (pig sector, laying hens sector, broilers sector).
- A document with recommendations, based on the discussions held. (see annexes; can be downloaded from the Twinning's webpage)

Activity 3.2.2 (fourth seminar, 3.2.2.d)

Reference number and title of Activity: 3.2.2 - Support in the implementation of the specific requirements in the daily tasks in the IPPC sector.

The title of this fourth seminar is "IPPC permits in the organic chemistry sector"

Names of MS experts who delivered it: M. Gibert and N. Chico (STEs, Spain).

Number of experts from the BC who participated and their departments of origin: 17 (1 expert from REPA, 11 from LEPAs, 2 from Apele Romane (Directia Apelor Siret), and 3 from S.C. Amurco SRL Bacau (producer of fertilizers)).

Duration of the activity: 24 – 26 february 2009.

Main outputs:

- Training delivered and discussions held with the participants on several issues, based on case studies of Spain: i) Introduction to the processing and elaboration of IPPC permits in the sector of organic chemistry, ii) Guide for the elaboration of an IPPC permit, iii) IPPC permit for pharmaceutical industry, iv) IPPC permit for polimer / resin industry, v) IPPC permit for fertilizer and phitosanitary products industry, vi) IPPC permit for paint industry, vii) IPPC permit for industry fabricating simple organic compounds, viii) Inclusion of the REACH conditions required in IPPC permits.
- A document with recommendations, based on the discussions held. (see annexes; can be downloaded from the Twinning's webpage)

Activity 3.2.2 (fifth seminar, 3.2.2.e)

Reference number and title of Activity: 3.2.2 - Support in the implementation of the specific requirements in the daily tasks in the IPPC sector.

The title of this fifth seminar is "IPPC permits for cement kilns, landfills, raffineries, cogeneration plants. VLE in bubble"

Names of MS experts who delivered it: M. Sousa and B. Nava (STEs, Spain).

Number of experts from the BC who participated and their departments of origin: 11 (6 experts from REPA and 5 from LEPAs).

Duration of the activity: 24th – 26th June 2009.

Main outputs:

- Training delivered and discussions held with the participants on several issues, based on case studies of Spain: i) Cement sector: Voluntary agreement cement sector/Ministry of Environment . Case study of an IPPC permit for the complex of Cementos Portland Valderrivas, ii) IPPC permit for the landfill and waste treatment complex of Moruelo (Cantabria), iii) Combustion installations with a rated thermal input exceeding 50 MW. Permits, iv) Coal and biomass combustion installations, permit conditions, v) Gas installations, permit conditions, vi) Mineral oil refineries permits, vii) Emission Limit Values in “bubble” situations, viii) Combustion installations and refineries Emission Limit Values in “bubble” situations. PRTR.
- A document with recommendations, based on the discussions held. (see annexes; can be downloaded from the Twinning’s webpage)

Activity 3.2.3

Reference number and title of Activity: 3.2.3 - Evaluation of programme of activities 3.2.2. Closure of installations & IPPC permits.

Names of MS experts who delivered it: M. Colmenares (STE, Spain).

Number of experts from the BC who participated and their departments of origin: 5 (1 expert from REPA and 4 from LEPAs).

Duration of the activity: 14th – 15th July 2009.

Main outputs:

- The evaluation seminar was divided into two parts, one for evaluation and another for discussion of some subjects of interest to the Romanian experts. Discussions were held on the following topics: i) The closure plan in the Spanish legislation, ii) The closure plan in the IPPC permit: examples, iii) The resolution for the approval of the closure plan: examples.
- The answers to a questionnaire previously distributed to the participants of seminars of activity 3.2.2 was analyzed, elaborating afterwards a final evaluation report and recommendations for this component of the Twinning Project.

Activity 3.3.1

Reference number and title of Activity: 3.3.1 - Preliminary meeting on waste management

Names of MS experts who delivered it: E. López (STE, Spain), H. Huisman (STE, Holland), C. Seoáñez (RTA)

Number of experts from the BC who participated and their departments of origin: 6 (4 from REPA and 2 from LEPAs)

Duration of the activity: 7 – 8 April 2008

Main output: Programme for the seminars and workshops of the rest of activities of subcomponents 3.3, 4.1, 4.2, 4.3 and 5.2.2 established.

Activity 3.3.2 (first seminar-workshop, 3.3.2.a)

Reference number and title of Activity: 3.3.2 - Support in the implementation of the specific requirements in the daily tasks in the waste management sector.

The title of this first seminar is “Beginning of the benchmarking programme for counties, public pools and awareness, examples of schemes of responsibility for the producer (WEEE, ELV...)”.

Names of MS experts who delivered it: H. Huisman (STE, Holland).

Number of experts from the BC who participated and their departments of origin: 16 (4 from REPA, 5 from LEPAs, 2 from NEG, 2 from NEPA, 1 representative from Bacau county and 2 from Bacau municipality). Meetings were held as well with 4 representatives from the Technical Assistance Project to build and Integrated Waste Management System for Bacau County, and from the operator of Piatra Neamt’s ecological landfill.

Duration of the activity: 30 june – 3 july 2008

Main output: Training delivered to the participants through the discussion of several issues: i) The establishment, in collaboration with the LEPAs’ experts, of a benchmarking questionnaire to be filled in for each of the counties. Once they are filled, they will serve as a basis for a comparative study, helping them to improve, ii) Methods to make public polls concerning domestic waste management, providing with examples from The Netherlands and other countries, iii) Schemes of producers’ responsibility in The Netherlands and other countries for different kinds of waste (Waste Electric and Electronic Equipment, End of Life Vehicles...).

Also meetings with people involved in the ISPA project for the setting of an integrated waste management system in the county of Bacau, and with representatives of the operator running the facilities for domestic waste management in the city of Piatra Neamt, including a site visit to the new landfill, were held.

Activity 3.3.2 (second seminar, 3.3.2.b)

Reference number and title of Activity: 3.3.2 - Support in the implementation of the specific requirements in the daily tasks in the waste management sector.

The title of this second seminar is “Benchmarking of waste management in the counties of Region NE, role & cooperation between municipalities, littering, public awareness and surveys”.

Names of MS experts who delivered it: H. Huisman and B. Peeters (STEs, The Netherlands).

Number of experts from the BC who participated and their departments of origin: 18 (1 expert from REPA, 7 from LEPAs, 4 from NEG, , 1 from the municipality of Bacau, 2 from the County Council of Bacau and 1 from the County Council of Suceava).

Duration of the activity: 26 – 29 january 2009.

Main outputs:

- Training delivered to the participants on the following subjects: i) Benchmark: discussion and learning points from the questionnaires and data of the counties of Region North-East prepared by romanian and dutch experts, ii) Cooperation between municipalities, counties and region., iii) Solutions to the littering problem, iv) Public awareness and

public surveys: experiences with the questionnaires prepared in workshop 1, v) Role of the municipalities in the waste management in The Netherlands.

- Discussions were held to planify the second study visit, to The Netherlands, and to start the preparation of some written deliverables related to some of the topics discussed.

Activity 3.3.3

Reference number and title of Activity: 3.3.3 - Evaluation of programme of waste management activities: 3.3.2, 4.1, 4.2 & 4.3.

Names of MS experts who delivered it: H. Huisman (STE, The Netherlands), M. Sánchez (STE, Spain).

Number of experts from the BC who participated and their departments of origin: 21 (2 experts from NEPA, 3 from REPA, 12 from LEPAs and 4 from NEG).

Duration of the activity: 29th June and 27th July 2009.

Main outputs:

- The evaluation activity was divided into 2 seminars of 1 day each, one related to the evaluation of the dutch activities 3.3.2 and 4.2, and another related to the evaluation of the spanish activities 4.1 and 4.3. In both cases they were divided into two parts, one for evaluation and another for discussion of some subjects of interest to the romanian experts. Discussions were held on the following topics: i) Evaluation of the programme of seminars of acts. 3.3.2, 4.1, 4.2, and 4.3. Further training needs, ii) Construction & Demolition Waste, iii) WEEE and ICT: producers responsibility schemes, iv) Used batteries: producers responsibility schemes, v) Packaging waste: producers responsibility schemes, vi) New aspects of the Directive 2008/98 on waste. Implications, vii) End of life vehicles, viii) Successful strategies to prevent waste generation and diminish waste amounts, ix) Treatment of hazardous waste coming from households, x) Treatment of wastes from electronic or electric equipment (WEEE), xi) PCBs: management of waste contaminated with them, decontamination.
- The answers to the questionnaires previously distributed to the participants of seminars of activities 3.3.2, and 4.2 on the one hand, and 4.1 and 4.3 on the other, were analyzed, elaborating afterwards 2 final evaluation reports and recommendations for those components of the Twinning Project.
- Also a DVD produced by the Twinning with multimedia material to support home composting programmes in rural areas was presented and distributed to the participants.

Activity 3.4.1

Reference number and title of Activity: 3.4.1 - Preliminary meeting on air quality

Names of MS experts who delivered it: L. Martín (STE, Spain), C. Seoáñez (RTA)

Number of experts from the BC who participated and their departments of origin: 18 (5 from REPA, 12 from LEPAs and 1 from NEG)

Duration of the activity: 10 – 11 April 2008

Main output: Programme for the seminars and workshops of the rest of activities of subcomponents 3.4 established.

Activity 3.4.2 (first seminar, 3.4.2.a)

Reference number and title of Activity: 3.4.2 - Support in the implementation of the specific requirements in the daily tasks related to Air Quality and Climate Change.

The title of this first seminar is "Directive CAFE 2008/50/CE. Zonification. Automatic air quality control networks. Data analysis and validation. Air quality management plans and programmes"

Names of MS experts who delivered it: S. Jiménez and A. Cristóbal (STEs, Spain).

Number of experts from the BC who participated and their departments of origin: 15 (5 experts from REPA, 9 from LEPAs and 1 from NEG).

Duration of the activity: 3 – 5 september 2008.

Main outputs:

- Training delivered and discussions held with the participants on several subjects: i) What is new in Directive CAFE 2008/50/CE and its practical implications, ii) Zonification criteria, iii) Transmission, analysis and validation of data provided by automatic networks, and iv) Air quality plans and programmes and their implementation. In this context several examples of diverse european countries were presented, and discussions about some cases of Region 1 – Northeast of Romania were held.
- A document with recommendations, based on the discussions held. (see annexes; can be downloaded from the Twinning's webpage)

Activity 3.4.2 (second seminar, 3.4.2.b)

Reference number and title of Activity: 3.4.2 - Support in the implementation of the specific requirements in the daily tasks related to Air Quality and Climate Change.

The title of this second seminar is "Control & authorisation procedures for industrial emissions. Air Quality plans & programmes in industrial areas"

Names of MS experts who delivered it: A. Lozano (STE, Spain).

Number of experts from the BC who participated and their departments of origin: 21 (6 experts from REPA, 13 from LEPAs and 2 from NEG).

Duration of the activity: 10 – 12 december 2008.

Main outputs:

- Training delivered and discussions held with the participants on several subjects: i) General vision of the alert and monitoring infrastructures of the Regional Government of Andalucía. Management strategies, ii) Procedures for the control and continuous measurement in large emission sources. Information gathering and processing in real time. Other procedures for control and measurement in emission sources, iii) Emission inventories. Particular aspects of a local/regional inventory with respect to the national inventory in Spain, iv) Making the best use of the inventory: Directive 2001/81/CE about national emission ceilings of certain atmospheric pollutants, PRTR. Practical case for different installations. Emission factors used. Environmental taxes for emission sources, v) Improvement of the Environment quality through Action Plans. Example and study of the improvement of the air quality in a real case of an industrial area. Reduction measures for the different pollutants.
- A document with recommendations, based on the discussions held. (see annexes; can be downloaded from the Twinning's webpage)
- A short document explaining the example of the air quality action plan for the industrial area of Gibraltar (can be downloaded from the Twinning's webpage)

Activity 3.4.2 (third seminar, 3.4.2.c)

Reference number and title of Activity: 3.4.2 - Support in the implementation of the specific requirements in the daily tasks related to Air Quality and Climate Change.

The title of this third seminar is "Climate change. Industrial emissions, mitigation & adaptation strategies, communication and awareness".

Names of MS experts who delivered it: J. Fernández and A. Herguedas (STEs, Spain).

Number of experts from the BC who participated and their departments of origin: 20 (3 experts from REPA, 15 from LEPAs and 2 from NEG).

Duration of the activity: 6 – 8 may 2009.

Main outputs:

- Training delivered to the participants on the following subjects: i) The trade of emission rights. Kyoto Protocol, ii) Implementation of the trade of emission rights in Castilla y León, iii) The authorisation for the emission of greenhouse gases, iv) Monitoring and verification plans. Case studies: central heating plant, ceramics installation, cement kiln, v) Mitigation strategy of diffuse emissions. Elaboration process, vi) Regional strategy to fight climate change in Castilla y León. Measures, vii) Regional adaptation strategy to climate change. Examples of the agriculture and forestry sectors.
- A document with recommendations, based on the discussions held. (see annexes; can be downloaded from the Twinning's webpage).

Activity 3.4.3

Reference number and title of Activity: 3.4.3 - Evaluation of programme of activities 3.4.2. Noise, smell pollution, GHG emissions calculation and reduction.

Names of MS experts who delivered it: L. Martín (STE, Spain).

Number of experts from the BC who participated and their departments of origin: 6 (1 expert from REPA and 5 from LEPAs).

Duration of the activity: 21st – 22nd july 2009.

Main outputs:

- The evaluation seminar was divided into two parts, one for evaluation and another for discussion of some subjects of interest to the romanian experts. Discussions were held on the following topics: i) Noise: study case of one municipality, ii) Odour Pollution. Olfatometric study of a wastewater treatment plant, iii) Example of model to calculate GHG emissions at municipal, county and regional level, iv) Plans to reduce the emissions of GHG. Adaptation strategies to climate change, v) Proposal of regional project: Integral Monitoring, Forecast and Atmospheric Pollution Information System.
- The answers to a questionnaire previously distributed to the participants of seminars of activity 3.4.2 was analyzed, elaborating afterwards a final evaluation report and recommendations for this component of the Twinning Project.

Activity 3.5.1

Reference number and title of Activity: 3.5.1 - Preliminary meeting on biodiversity and nature protection

Names of MS experts who delivered it: J. Díez (STE, Spain), C. Seoáñez (RTA)

Number of experts from the BC who participated and their departments of origin: 8 (3 from REPA, 3 from LEPAs and 1 from NEG)

Duration of the activity: 26 – 27 may 2008

Main output: Programme for the seminars and workshops of the rest of activities of subcomponents 3.5 established.

Activity 3.5.2 (first seminar, 3.5.2.a)

Reference number and title of Activity: 3.5.2 - Support in the implementation of the specific requirements in the daily tasks related to nature protection and biodiversity.

The title of this first seminar is “Measures for the conservation of areas and species of community interest. Monitoring and management plans”.

Names of MS experts who delivered it: J.B. Reza and I. Molina (STEs, Spain).

Number of experts from the BC who participated and their departments of origin: 10 (2 from REPA, 4 from LEPAs, 2 from NEG, and 2 representatives from Calimani National Park).

Duration of the activity: 3 – 7 november 2008

Main outputs:

- Training delivered to the participants through the discussion of several issues: i) Technical and social implications of habitat management plans in Galicia. Lessons learned and case studies, ii) Natura 2000 Management in Galicia. Examples of good practices and promotion of integral and sustainable development within these areas, iii) Management plans and cross-sectoral cooperation in Castilla y León. Stakeholders analysis. Case Studies: Guadarrama Mountains and Villafafila wetlands and dry steps, iv) Different approaches for preparation and implementation of management plans. Management Plan of SPA y SCI Lagunas del Canal de Castilla. Management Plan of Sabinars de la Sierra de Cabrejas, v) Guidelines for management of forestry habitats: Case Study: forest and Imperial Eagle, vi) Derogation system: Large Carnivores Management Plans: Brown Bear and Iberian Wolf.
- A document with recommendations, based on the discussions held. (see annexes; can be downloaded from the Twinning’s webpage)

Activity 3.5.2 (second seminar, 3.5.2.b)

Reference number and title of Activity: 3.5.2 - Support in the implementation of the specific requirements in the daily tasks related to nature protection and biodiversity.

The title of this second seminar is “Conservation status, monitoring & recovery of protected species and habitats. Economical development in Natura 2000. Use of different EU Funds”.

Names of MS experts who delivered it: J. Díez and F. Jiménez (STEs, Spain).

Number of experts from the BC who participated and their departments of origin: 17 (2 expert from REPA, 5 from the IB SOP Environment, 5 from LEPAs, 3 from NEG, 1 from Parcul Natural Vanatori Neamt, and 1 from the NGO "Centrul Regional de Ecologie Bacau").

Duration of the activity: 16 – 19 february 2009

Main outputs:

- Training delivered to the participants through the discussion of several issues: i) Ways to improve the socioeconomical status of population living inside Natura 2000 sites, and increase their participation in sustainable development initiatives, ii) Financing of different kinds of projects and programmes in Natura 2000 sites, making use of a wide range of EU Funds, not only the ones corresponding to the Operational Programme Environment, iii) Examples of LIFE projects devoted to the conservation of species, iv) Monitoring and programming of inventories of several endangered species, v) Conservation status of habitats and species.
- A document with recommendations, based on the discussions held. (see annexes; can be downloaded from the Twinning's webpage)

Activity 3.5.2 (third seminar, 3.5.2.c)

Reference number and title of Activity: 3.5.2 - Support in the implementation of the specific requirements in the daily tasks related to nature protection and biodiversity.

The title of this third seminar is "Articles 6.3 & 6.4 of the Habitats Directive. Management and restoration of habitats & species".

Names of MS experts who delivered it: A. Gato and F. Jiménez (STEs, Spain).

Number of experts from the BC who participated and their departments of origin: 17 (2 expert from REPA, 5 from the IB SOP Environment, 5 from LEPAs, 3 from NEG, 1 from Parcul Natural Vanatori Neamt, and 1 from the NGO "Centrul Regional de Ecologie Bacau").

Duration of the activity: 15th – 17th June 2009

Main outputs:

- Training delivered to the participants through the discussion of several issues: i) Methodology followed to apply article 6.3 of the Habitat Directive. Examples, ii) Shadow list: case of the Santoña wetlands, iii) Restoration of habitats and species, examples: a) river restoration, b) forestry management in areas with brown bear and capercaillie, c) carbon mining in areas with brown bear and capercaillie, iv) Article 6.4: practical cases: a) industrial area of Tupbrach, b) carbon mine of Prosper Haniel, c) enlargement of the reservoir of La Breña.
- Also some documents related to management of habitats and species were discussed, namely the ones mentioned in the previous section of this report, in order to translate into romanian the most interesting parts of them (translations were ready in august).
- A document with recommendations, based on the discussions held. (see annexes; can be downloaded from the Twinning's webpage)

Activity 3.5.3

Reference number and title of Activity: 3.5.3 - Evaluation of programme of activities 3.5.2. Management of Natura 2000 and protected species. Ecotourism.

Names of MS experts who delivered it: J. Díez (STE, Spain).

Number of experts from the BC who participated and their departments of origin: 5 (2 experts from REPA and 3 from LEPAs).

Duration of the activity: 16th – 17th July 2009.

Main outputs:

- The evaluation seminar was divided into two parts, one for evaluation and another for discussion of some subjects of interest to the Romanian experts. Discussions were held on the following topics: i) Analysis of the questions of the questionnaire distributed to the participants of the seminars delivered, discussions with them about the subjects treated, ii) Discussion about the recommendations given by the Spanish experts who have delivered seminars 3.5.2.a, 3.5.2.b and 3.5.2.c, in their reports, iii) Eco-tourism and public use in Natura 2000 sites.
- The answers to a questionnaire previously distributed to the participants of seminars of activity 3.5.2 was analyzed, elaborating afterwards a final evaluation report and recommendations for this component of the Twinning Project.

Activity 3.6.1

Reference number and title of Activity: 3.6.1 - Preliminary meeting on soil/subsoil protection and ecological reconstruction

Names of MS experts who delivered it: A. Roeloffzen (STE, Holland), A. Honders (STE, Holland).

Number of experts from the BC who participated and their departments of origin: 9 (3 from REPA, 5 from LEPAs and 1 from NEG)

Duration of the activity: 10 – 11 July 2008

Main output: Programme for the seminars and workshops of the rest of activities of subcomponents 3.6 established.

Activity 3.6.2 (first seminar, 3.6.2.a)

Reference number and title of Activity: 3.6.2 - Support of the REPA/LEPA/NEG staff in the implementation of the specific requirements in the daily tasks of soil/subsoil protection and ecological reconstruction.

The title of this first seminar is "Policies and practical exercises on contaminated sites, current regional cases".

Names of MS experts who delivered it: T. Honders and A. Roeloffzen (STEs, The Netherlands).

Number of experts from the BC who participated and their departments of origin: 13 (2 from REPA, 6 from LEPAs and 5 from NEG).

Duration of the activity: 15 – 16 January 2009.

Main outputs:

- Training delivered to the participants on the following subjects: i) EU, Romanian and Dutch legislation, ii) Dutch policies on site remediation and sustainable land management, iii) Soil investigation and remediation procedures (financial and legal instruments, role of authorities and stakeholders), practical examples, iv) Soil quality standards and risk assessment, v) Examples of contaminated sites from the county of Suceava, vi) Site investigation: a) theory (problem analysis, sampling plan, evaluation of results) and b) case studies from Romania and The Netherlands.
- A document with recommendations, based on the discussions held. (see annexes; can be downloaded from the Twinning's webpage)

Activity 3.6.2 (second seminar, 3.6.2.b)

Reference number and title of Activity: 3.6.2 - Support of the REPA/LEPA/NEG staff in the implementation of the specific requirements in the daily tasks of soil/subsoil protection and ecological reconstruction.

The title of this first seminar is “Contaminated sites: Risks & Risk Assessment” .

Names of MS experts who delivered it: T. Honders and A. Roeloffzen (STEs, The Netherlands). It counted also with the participation of another dutch expert not payed by this Twinning, P. Otte.

Number of experts from the BC who participated and their departments of origin: 12 (1 expert from NEPA, 5 from LEPAs, 4 from NEG, and 2 from Directia Apelor Siret).

Duration of the activity: 6 – 8 april 2009.

Main outputs:

- Training delivered to the participants on the following subjects: i) Rotterdam soil quality map: policy objectives, practical application, ii) lasi soil quality map, iii) Risk assessment instruments, iv) Ecological, groundwater, agricultural and human risk, v) Aspects of Dutch and Romanian soils.
- The participants worked as well in groups with the software tools C-SOIL and Sanscrit to model the risks and possibilities of remediation of several real cases of contaminated sites from The Netherlands and from the North-east Region of Romania
- A document with recommendations, based on the discussions held. (see annexes; can be downloaded from the Twinning’s webpage)

Activity 3.6.2 (third seminar, 3.6.2.c)

Reference number and title of Activity: 3.6.2 - Support of the REPA/LEPA/NEG staff in the implementation of the specific requirements in the daily tasks of soil/subsoil protection and ecological reconstruction.

The title of this third seminar is “Site investigation, sampling & Ecological Risk Assessment” .

Names of MS experts who delivered it: T. Honders, J. Wezenbeek and A. Roeloffzen (STEs, The Netherlands).

Number of experts from the BC who participated and their departments of origin: 8 (1 expert from REPA, 4 from LEPAs, 1 from NEG, 1 from Apele Romane and 1 from the IFA Grup).

Duration of the activity: 15th – 16th june 2009.

Main outputs:

- Training delivered to the participants on the following subjects: i) Site investigation / sampling strategies, ii) Geotechnical and geochemical site investigation and sampling strategies, iii) Practical soil and groundwater sampling, iv) Soil ecological aspects: processes, examples in urban environment, v) Tools for assessing ecological damage: TRIADE model, examples, vi) Bio-essays, vii) Methods for ecological restoration, viii) Working with the SANSKRIT model for site risk assessment: 2 cases.
- During the activity a site visit to make a practical soil and groundwater sampling exercise took place, as well as computer work with the software models TRIADE and SANSKRIT.
- A document with recommendations, based on the discussions held. (see annexes; can be downloaded from the Twinning’s webpage)

Activity 3.6.3

Reference number and title of Activity: 3.6.3 - Evaluation of programme of activities 3.6.2. Soil remediation, quality certification schemes, chemical analyses, technologies.

Names of MS experts who delivered it: T. Honders and A. Roeloffzen (STEs, The Netherlands).

Number of experts from the BC who participated and their departments of origin: 16 (1 expert from REPA, 5 from LEPAs, 6 from NEG, 2 from NEPA, 1 from Royal Haskoning and 1 from AlControl Laboratories).

Duration of the activity: 13th – 14th july 2009.

Main outputs:

- The evaluation seminar was divided into two parts, one for evaluation and another for discussion of some subjects of interest to the romanian experts. Discussions were held on the following topics: i) Laboratory chemical analysis, ii) Consulting services, iii) Soil protection strategies, iv) Groundwater management, v) Soil management, vi) In-situ and ex-situ remediation technologies, vii) Ecological rehabilitation, viii) Ecological risk assessment, ix) Example of site remediation project – technical and cost aspects.
- With the help of the input from the participants, the experts elaborated afterwards a final evaluation report and recommendations for this component of the Twinning Project.

Activity 3.7.1

Reference number and title of Activity: 3.7.1 - Preliminary meeting on chemical substances

Names of MS experts who delivered it: H. Vermeer (STE, Holland), C. Seoáñez (RTA)

Number of experts from the BC who participated and their departments of origin: 12 (3 from REPA, 6 from LEPAs and 3 from NEG)

Duration of the activity: 19 – 20 may 2008

Main output: Programme for the seminars and workshops of the rest of activities of subcomponents 3.7 established.

Activity 3.7.2 (first seminar, 3.7.2.a)

Reference number and title of Activity: 3.7.2 - Support of the REPA/LEPA/NEG staff in the implementation of the specific requirements in the daily activities related to chemical substances.

The title of this first seminar is “Pre-register period under REACH” .

Names of MS experts who delivered it: H. Vermeer (STE, Holland).

Number of experts from the BC who participated and their departments of origin: 12 (2 from REPA, 5 from LEPAs and 5 from NEG).

Duration of the activity: 10 june 2008.

Main output: Training delivered to the participants on what is to be done by the different stakeholders in the pre-registration period (june – december 2008) for chemical substances under REACH.

This seminar was performed earlier than scheduled in the Contract in order to prepare the attendants for the pre-registration period, which started already in june.

Activity 3.7.2 (second seminar, 3.7.2.b)

Reference number and title of Activity: 3.7.2 - Support of the REPA/LEPA/NEG staff in the implementation of the specific requirements in the daily activities related to chemical substances.

The title of this second seminar is "Registration and REACH".

Names of MS experts who delivered it: A. Sluer and E. Theelen (STEs, The Netherlands).

Number of experts from the BC who participated and their departments of origin: 19 (3 from REPA, 6 from LEPAs, 5 from NEG, 2 from NEPA, 2 representatives of the company RAFO Onesti and 1 of the environmental consultancy firm Envirotech (Vaslui)).

Duration of the activity: 17 – 21 november 2008.

Main outputs:

- Training delivered to the participants on the following subjects: i) Where REACH relates to other chemical legislation and legislation not directly dealing with chemicals e.g Waste Framework Directive, Construction Products Directive (CPD), Water Framework Directive and IPPC Directive, ii) The essential elements of REACH, iii) The information needed for the registration, iv) The actors involved in the registration process especially in difference between the role of the only representative and third party representative, v) How REACH deals with chemical safety, vi) The role and obligations of downstream users, vii) The process of evaluation, viii) The process of authorisation, ix) The role and task of the different authorities involved in the REACH, x) The tools that are available to fulfill the REACH obligations.
- A document with recommendations, based on the discussions held. (see annexes; can be downloaded from the Twinning's webpage)

Activity 3.7.3

Reference number and title of Activity: 3.7.3 - Evaluation of programme of activities 3.7.2. Conclusions on the implementation of REACH.

Names of MS experts who delivered it: E. Theelen (STE, The Netherlands).

Number of experts from the BC who participated and their departments of origin: 21 (6 experts from NEPA, 1 from MoE, 1 from central headquarters of NEG, 2 from REPA, 7 from LEPAs, 3 from NEG, and 1 from Envirotech Vaslui).

Duration of the activity: 22nd – 23rd july 2009.

Main outputs:

- The first day a meeting took place in Bucharest with representatives from the Ministry of Environment and the NEPA, where discussions were held on i) transfer of information about the REACH regulation within the Romanian organisations, ii) tasks of the Competent Authority, iii) organisation of the enforcement, iv) role of LEPAs regarding

REACH, v) issues which the experts of NEPA and Ministry of Environment wanted to rise.

- The second day, in Bacau, the expert discussed with representatives from REPA, LEPAs and NEG the answers to a questionnaire previously distributed to the participants of seminars of activity 3.7.2, as well as the topics treated in the previous day in Bucharest, elaborating afterwards a final evaluation report and recommendations for this component of this Twinning Project.

Activity 3.8.1

Reference number and title of Activity: 3.8.1 - Preliminary meeting on horizontal legislation.

Names of MS experts who delivered it: S. Garrido (STE, Spain), C. Seoáñez (RTA).

Number of experts from the BC who participated and their departments of origin: 13 (2 from REPA, 3 from IB SOP Environment and 8 from LEPAs).

Duration of the activity: 12 – 13 June 2008

Main output: Programme for the seminars and workshops of the rest of activities of subcomponents 3.8 established.

Activity 3.8.2 (first seminar, 3.8.2.a)

Reference number and title of Activity: 3.8.2 - Support in the implementation of the specific requirements in the daily activities related to horizontal legislation.

The title of this first seminar is “SEA & EIA. Case Studies”.

Names of MS experts who delivered it: O. Serrano, L. González and J.P. Pérez (STEs, Spain).

Number of experts from the BC who participated and their departments of origin: 17 (1 from REPA, 15 from LEPAs and 1 from NEPA).

Duration of the activity: 16 – 17 October 2008

Main outputs:

- Training delivered to the participants through the discussion of several topics: i) In relation with the SEA Directive: a) Activities, procedure and public access to environmental information, analyzing and comparing the Spanish and Romanian cases. b) Review of evaluation criteria for different alternatives. c) Practical cases: SEA of the National Hydrological Plan, SEA of the Special Golf Regional Plan of Gran Canaria. ii) In relation with the EIA Directive: a) Activities, procedure and public access to environmental information, analyzing and comparing the Spanish and Romanian cases. b) Review of evaluation criteria for different alternatives. c) Practical case: EIA for a project of repowering of a wind farm in Gran Canaria.
- A document with recommendations, based on the discussions held. (see annexes; can be downloaded from the Twinning's webpage)

Activity 3.8.2 (second seminar, 3.8.2.b)

Reference number and title of Activity: 3.5.2 - Support in the implementation of the specific requirements in the daily tasks related to horizontal legislation.

The title of this second seminar is “EMAS and public access to environmental information”.

Names of MS experts who delivered it: D. Díez and P. Bascones (STEs, Spain).

Number of experts from the BC who participated and their departments of origin: 7 (1 expert from REPA and 6 from LEPAs).

Duration of the activity: 12 – 13 march 2009

Main outputs:

- Training delivered to the participants through the discussion of several issues: i) Introduction, objectives and advantages of the implementation of environmental management systems for the companies, ii) Structure of EMAS. Phases to be taken and basic documentation, iii) Administrative procedure for EMAS registration, iv) Situation in other European countries of the application of EMAS, v) Case studies of implementation of EMAS: service companies, industrial companies and Public Administrations, vi) Analysis of the procedure for the access to environmental information.
- A document with recommendations, based on the discussions held. (see annexes; can be downloaded from the Twinning's webpage)

Activity 3.8.2 (third seminar, 3.8.2.c)

Reference number and title of Activity: 3.8.2 - Support in the implementation of the specific requirements in the daily tasks related to horizontal legislation.

The title of this third seminar is "Environmental liability".

Names of MS experts who delivered it: L. González and P. García (STEs, Spain).

Number of experts from the BC who participated and their departments of origin: 8 (1 expert from NEPA, 3 from REPA and 4 from LEPAs).

Duration of the activity: 6th – 7th July 2009

Main outputs:

- Training delivered to the participants through the discussion of several issues: i) Legal aspects on the European and Spanish environmental liability legislation: a) Background and scope of the Directive of Environmental Liability, b) Prevention and remedial action. Prevention and Remediation costs, c) Determination of remedial measures. Financial Security, d) A practical case: the disaster of Aznalcóllar, ii) Technical aspects of the European and Spanish environmental liability legislation: a) Summary of technical aspects, b) Example of an insurance policy, c) The risk assessment.
- A document with recommendations, based on the discussions held. (see annexes; can be downloaded from the Twinning's webpage)

Activity 3.8.3

Reference number and title of Activity: 3.8.3 - Evaluation of programme of activities 3.8.2. Discussion of local EIA & SEA cases.

Names of MS experts who delivered it: L. González (STE, Spain).

Number of experts from the BC who participated and their departments of origin: 11 (1 expert from NEPA, 3 from REPA and 7 from LEPAs).

Duration of the activity: 8th – 9th July 2009.

Main outputs:

- The evaluation seminar was divided into two parts, one for evaluation and another for discussion of some subjects of interest to the Romanian experts. Discussions were held on several subjects: i) Examples of access to justice in environmental problems, ii) Examples of EIA procedures, commenting, among others: a) Scope related to the activities in the annexes regarding to the Environmental Impact Assessment, b) Issues related to preventive and remedial action, c) Experiences related to the Infringement procedure in the European Commission, d) Discussion about some practical cases in Romania related to the EIA and SEA, e) Discussion about some practical cases in other EU countries related to the EIA and SEA, f) Practical example on the EU web site: EURO-LEX and CURIA.
- The answers to a questionnaire previously distributed to the participants of seminars of activity 3.8.2 was analyzed, elaborating afterwards a final evaluation report and recommendations for this component of the Twinning Project.

Activity 3.9.1

Reference number and title of Activity: 3.9.1 - Preliminary meeting on structural instruments.

Names of MS experts who delivered it: E. Martínez (STE, Spain), C. Seoáñez (RTA).

Number of experts from the BC who participated and their departments of origin: 10 (9 from IB SOP Environment and 1 from ADR Nordeste)

Duration of the activity: 5 – 6 June 2008

Main output: Programme for the seminars and workshops of the rest of activities of subcomponents 3.9 established.

Activity 3.9.2 (first seminar, 3.9.2.a)

Reference number and title of Activity: 3.9.2 - Support in the obtention and management of Structural Instruments.

The title of this first seminar is “ERDF, big projects, URBAN Initiative”.

Names of MS experts who delivered it: E. Martínez and I. Sierra (STEs, Spain).

Number of experts from the BC who participated and their departments of origin: 20 (13 experts from IB SOP Environment Region 1, 1 from MESD, 1 from the Regional Development Agency Region 1, 4 from Apelul Române (Directia Apelor Siret) and 1 from a Municipality).

Duration of the activity: 13 – 15 October 2008

Main outputs:

- Training delivered to the participants through the discussion of several topics: i) ERDF in the programming period 2007-2013, ii) Software “Fondos 2007” used in Spain to integrate all information flows involved in the management of EU Funds, iii) Several case studies: a big water infrastructure project financed with ERDF in the period 2000 – 2006 which suffered several modifications in the course of the period, and 2 local city development initiatives in two city quarters of Barcelona and Granada, financed by the URBAN initiative.
- A document with recommendations, based on the discussions held. (see annexes; can be downloaded from the Twinning’s webpage)

Activity 3.9.2 (second seminar, 3.9.2.b)

Reference number and title of Activity: 3.9.2 - Support in the obtention and management of Structural Instruments.

The title of this second seminar is “Cohesion Fund 2007 – 2013. Examples of management of solid urban waste projects cofinanced by that Fund. Study of irregularities in concrete cases”.

Names of MS experts who delivered it: T. Matiacci and C. Quiñonero (STEs, Spain).

Number of experts from the BC who participated and their departments of origin: 17 (16 experts from IB SOP Environment Region 1 and 1 from MESD).

Duration of the activity: 20 – 21 october 2008

Main outputs:

- Training delivered to the participants through the discussion of several topics: i) Analysis of the Cohesion Fund in Spain in the last two programming periods and how it has been incorporated in the current period 2007-2013 through an Operative Programme. ii) Spanish experience regarding waste management projects financed by the Cohesion Fund in period 2000 – 2006, through the analysis of national and regional waste management plans, procedures for the selection of projects, indicators, environmental requirements, problems in the execution... iii) Case study of a solid waste management project financed by the Cohesion Fund in the period 2000 – 2006, in the city of Sevilla. iv) Experiences, from the point of view of a direct beneficiary of the ERDF and Cohesion Fund who has executed 2 projects, namely Phase I (period 1994 – 1999) and Phase II (2000 – 2006) for the improvement of the hidraulic infrastructure of the municipality of Murcia and its surroundings: preparation of the project, development, difficulties in its implementation.
- A document with recommendations, based on the discussions held. (see annexes; can be downloaded from the Twinning’s webpage)
- An example of all the documentation related to the process of contracting was shown, and provided to the participants.

Activity 3.9.2 (third seminar, 3.9.2.c)

Reference number and title of Activity: 3.9.2 - Support in the obtention and management of Structural Instruments.

The title of this first seminar is “Certified expenditures control. Irregularities and corrections. Documentation and good audit tracking”.

Names of MS experts who delivered it: A. García-Saavedra (STEs, Spain).

Number of experts from the BC who participated and their departments of origin: 14 (11 experts from IB SOP Environment, 2 from County Councils and 1 from a municipality).

Duration of the activity: 2 – 4 february 2009

Main outputs:

- Training delivered to the participants through the discussion of several topics: i) the control activity in relation with the actions cofinanced by the EU, ii) the goal of control, the definition of intermediate body and beneficiary, as well as the articles referring to control in the General regulation and the Development regulation, iii) Organisms responsible for the control and kind of controls they perform, iv) Public procurement & contracting,

practical examples, v) The concept of eligibility, vi) Measures with an environmental character in the Operative Programme, vii) Documentation and audit tracking.

- A document with recommendations, based on the discussions held. (see annexes; can be downloaded from the Twinning's webpage)

Activity 3.9.2 (fourth seminar, 3.9.2.d)

Reference number and title of Activity: 3.9.2 - Support in the obtention and management of Structural Instruments.

The title of this fourth seminar is "Risks management in projects co-financed with EU Funds".

Names of MS experts who delivered it: A. García (STE, Spain).

Number of experts from the BC who participated and their departments of origin: 17 (13 experts from MoE and 4 experts from IB SOP Environment – Region 1).

Duration of the activity: 18 – 20 may 2009

Main outputs:

- The first day of seminar 4 took place in Bucharest, where after an initial interview with the General Director of the Management Authority for the SOP Environment a meeting took place with representatives from all the departments of the Management Authority, where discussions were held mainly on the most common sources of financial corrections in projects cofinanced with EU Funds
- The remaining 2 days were spent in Bacau, where discussions were held on several subjects: i) Definition of Risk and risks classes, ii) Ways of budgetary execution in the EU: shared management, iii) Risk management in REG CE 1605/2002 from 25 of june of 2002, iv) Risk management in the Regulations 2007-13 (Cohesion Fund), v) Risk management of the Funds for the European Court of Auditors, vi) Risk analysis in environmental projects: Risks map, vii) Risks management and Control Plan, viii) Discussion of numerous examples of projects.
- A document with recommendations, based on the discussions held. (see annexes; can be downloaded from the Twinning's webpage)

Activity 3.9.3

Reference number and title of Activity: 3.9.3 - Evaluation of programme of activities 3.9.2.

Names of MS experts who delivered it: E. Martínez (STE, Spain).

Number of experts from the BC who participated and their departments of origin: 9 experts from the Ministry of Environment.

Duration of the activity: 4th – 5th june 2009.

Main outputs:

- The evaluation seminar was divided into two parts, one for evaluation and another for The first day a meeting took place in Bucharest with the Director of Structural Funds Directorater of the Management Authority for the SOP Environment and representatives from all the departments of the Management Authority, where discussions were held on several topics like the management of projects which involve the use of several EU Funds, or the transfers between axes during the Programming Period.

- The second day, in Bacau, Mrs. Martínez-Urrutia analyzed the answers to a questionnaire previously distributed to the participants of seminars of activity 3.9.2, elaborating a final evaluation report for this component of EU Funds management.

Component 4

Activity 4.1 (first seminar, 4.1.a)

Reference number and title of Activity: 4.1.- Support to assess feasibility of new technological approaches to be applied for household waste sorting/ treatment in the context of the Regional Plan for Municipal Waste Management, including associated investment costs (population acceptance based on Romanian economic situation).

The title of this first seminar is "Integrated waste management systems".

Names of MS experts who delivered it: M. Sánchez and E. López (STEs, Spain).

Number of experts from the BC who participated and their departments of origin: 20 (3 experts from REPA, 8 from LEPAs, 1 from NEG, 1 from MESD, 2 from County Councils, 2 from municipalities and 1 from University Bacau).

Duration of the activity: 29 september – 3 october 2008.

Main outputs:

- Training delivered to the participants through the discussion of several topics: i) Steps to take for a correct planification and dimensioning of an integrated waste management system: from the underlying motivations of the EU legislation of this area and the environmental goals to achieve, to the initial characterization of the existing waste, indicators, different possible management models, steps to take in the design of an integrated waste management system, information system for the management data, elaboration of specific norms and analysis of the financing of the model chosen, public awareness..., ii) Detailed analysis of the different kinds of domestic waste treatment plants: processes and how they work, problems found, costs. Plants for classification and separation of packages (manual and authomatic), plants for tunnel composting, biomethanization plants and plants for energetic valorisation, iii) Information systems for the monitoring of waste fluxes, mass and energy balances. Control of the efficiency of the treatment plants, iv) Financing of the costs for the initial investment, the maintainance and exploitation of the infrastructures

Activity 4.1 (second seminar, 4.1.b)

Reference number and title of Activity: 4.1.- Support to assess feasibility of new technological approaches to be applied for household waste sorting/ treatment in the context of the Regional Plan for Municipal Waste Management, including associated investment costs (population acceptance based on Romanian economic situation).

The title of this second seminar is "Waste collection and transport systems".

Names of MS experts who delivered it: R. García and J.M. Ureña (STEs, Spain).

Number of experts from the BC who participated and their departments of origin: 12 (1 expert from REPA, 5 from LEPAs, 3 from NEG, 2 from County Councils and 1 from a municipality).

Duration of the activity: 10 – 11 november 2008.

Main outputs:

- Training delivered to the participants through the discussion of several topics: i) Legislation, financing of the selective collection, ii) Criteria for the selection of system and associated equipment, as a function of the local characteristics. Diverse examples from different districts of the city of Madrid, iii) Advantages and disadvantages of the different kinds of collecting systems (trucks with back-loading, lateral loading, pneumatic collection...), iv) Costs linked to the precollection systems: initial investments, maintainance... , for each of the selectively collected waste fractions, v) Collection and transport: logistics, kinds of vehicles and technologies used in Madrid, before and now.
- DVDs with videos presenting different kinds of collection and transport systems provided to the participants.
- A document with recommendations, based on the discussions held. (see annexes; can be downloaded from the Twinning's webpage).

Activity 4.1 (third seminar, 4.1.c)

Reference number and title of Activity: 4.1.- Support to assess feasibility of new technological approaches to be applied for household waste sorting/ treatment in the context of the Regional Plan for Municipal Waste Management, including associated investment costs (population acceptance based on Romanian economic situation).

The title of this third seminar is "Dumping Sites and Landfills: construction, management, closure, monitoring".

Names of MS experts who delivered it: M.A. Magaña and G. Puigcerver (STEs, Spain).

Number of experts from the BC who participated and their departments of origin: 27 (9 experts from REPA, 5 from LEPA, 3 from NEG, 2 from NEPA, 1 from a County Council and 5 from municipalities).

Duration of the activity: 9 – 11 march 2009.

Main outputs:

- Training delivered to the participants through the discussion of several topics: i) Landfills in the context of the urban waste management of the city of Madrid, ii) Legal framework for landfills, iii) Construction of a new landfill, iv) Exploitation and IPPC permit of the landfill of Alcalá de Henares, v) Closure works of a landfill, vi) Post-maintainance measures after the exploitation phase, vii) Admisibility procedures of waste into landfills, viii) Process of the ISPA contracts in the solid waste sector in Bacau.
- A document with recommendations, based on the discussions held. (see annexes; can be downloaded from the Twinning's webpage)

Activity 4.1 (fourth seminar, 4.1.d)

Reference number and title of Activity: 4.1.- Support to assess feasibility of new technological approaches to be applied for household waste sorting/ treatment in the context of the Regional Plan for Municipal Waste Management, including associated investment costs (population acceptance based on Romanian economic situation).

The title of this fourth seminar is "Financing systems for waste management. Fees, tariffs, taxes, responsibility schemes".

Names of MS experts who delivered it: J. Alfaro and M. Gómez (STEs, Spain).

Number of experts from the BC who participated and their departments of origin: 19 (3 experts from REPA, 3 from LEPAs, 4 from NEG, 3 from County Councils, 2 from ECOROM, and 4 from S.C. Urban Serv. S.A).

Duration of the activity: 17 – 18 march 2009.

Main outputs:

- Training delivered to the participants through the discussion of several topics: i) Contractual framework of waste management systems: work and service contracts, public private partnerships, subcontracting public works, ii) Establishment of fees to cover investment and exploitation costs, iii) Establishment of taxes to cover waste collection and treatment costs, iv) “Green dot” schemes to finance the selective collection and recycling, v) Covenants of Green Dot Organisations with public entities: payment formulae.
- A document with recommendations, based on the discussions held. (see annexes; can be downloaded from the Twinning’s webpage)

Activity 4.1 (fifth seminar, 4.1.e)

Reference number and title of Activity: 4.1.- Support to assess feasibility of new technological approaches to be applied for household waste sorting/ treatment in the context of the Regional Plan for Municipal Waste Management, including associated investment costs (population acceptance based on Romanian economic situation).

The title of this third seminar is “Waste management projects financed by the Cohesion Fund”.

Names of MS experts who delivered it: A. Miramón (STE, Spain).

Number of experts from the BC who participated and their departments of origin: 13 (4 experts from LEPAs, 1 from NEG, 2 from IB SOP Environment Region North-east and 4 from County Councils of Region North-east).

Duration of the activity: 28th – 29th may 2009.

Main outputs:

- Training delivered to the participants through the discussion of several topics: : i) Introduction to the financing of projects with EU Funds, structure and administrative organisation for the management of EU Funds, example from the municipality of Madrid, ii) Letter of interest for the obtention of money from the Cohesion Fund for projects. Structure of the letter, information included, monitoring parameters of the execution and economical monitoring, iii) Decisions from the European Commission regarding the allocation of funds, and their modifications. Start of the execution of projects, awarding and contracting, iv) Presentation by a representative of Intermediate Body SOP Environment: Role of the IB SOP Environment. Situation in Romania, and specially in the North-East Region, of the application and financing for projects financed by the cohesion or structural funds, v) Control of the management and monitoring of projects. Reports of the Commission, check-lists, publicity of the projects, vi) Work completion statements and reimbursement request. Documentation needed, steps of elaboration. Structure of the reimbursement request and checking of it. Audits, vii) Presentation by a representative of Intermediate Body SOP Environment: Steps to take to successfully obtain co-financing for a waste management project from Priority Axe 2 of SOP Environment (based on an example), viii) Finalisation of projects, final completion statement, works reception. Final report of the Cohesion Fund project and complementary documentation.
- A document with recommendations, based on the discussions held. (see annexes; can be downloaded from the Twinning’s webpage)

Activity 4.2 (first seminar, 4.2.a)

Reference number and title of Activity: 4.2.- Support to elaborate modern approaches related to the implementation of the future EU legislation requirements in the field of biodegradable household waste.

The title of this first seminar is “Composting techniques: introduction”.

Names of MS experts who delivered it: A. Veeken (STE, The Netherlands).

Number of experts from the BC who participated and their departments of origin: 20 (3 experts from REPA, 8 from LEPAs, 1 from NEG, 1 from MESD, 2 from County Councils, 2 from municipalities and 1 from University Bacau).

Duration of the activity: 29 september – 3 october 2008.

Main outputs:

- Training delivered to the participants through the discussion of several topics: i) Presentation of several strategies for prevention and minimization of waste, and of selective collection, in The Netherlands: historical evolution, good and bad experiences, conclusions, ii) Biodegradable waste management in The Netherlands, iii) Principles of composting and composting quality: necessary conditions for the degradation process to take place, and for an obtention of a final product of the right quality, iv) Composting processes at different scales (domestic, in farms, in large-scale plants): presentation of them, and comparison among them. Criteria to select them as an alternative for a given province, v) Awareness through educational programmes of compost production in schools, vi) Uses and marketing of the compost produced, vii) Possibilities for the region North-east, and proposals for the following seminars / workshops.
- Educational materials on home and community composting provided to the participants.
- Contact established with a local NGO of Bacau to extend school composting to more schools of the county.

Activity 4.2 (second seminar, 4.2.b)

Reference number and title of Activity: 4.2.- Support to elaborate modern approaches related to the implementation of the future EU legislation requirements in the field of biodegradable household waste.

The title of this second seminar is “Implementation of composting techniques in the Region 1 – North-East. Examples from Galicia. Awareness campaigns. Awareness in schools”.

Names of MS experts who delivered it: A. Veeken (STE, The Netherlands) and D. Pérez (STE, Spain).

Number of experts from the BC who participated and their departments of origin: 74 (1 expert from REPA, 6 from LEPAs, 7 from NEG, 6 from County Councils, 17 from municipalities, 5 from the University of Bacau, 10 from NGOs, 22 school teachers).

Duration of the activity: 10 – 13 january 2009.

Main outputs:

- A 1-day conference was held where several subjects were discussed: i) Introduction to composting: EU policy, part of integrated waste management, examples in other EU countries, principles of composting, composting technologies, ii) Implementation of home

composting in rural areas: experiences and lessons from Spain, iii) Composting in rural areas: closing the nutrient and organic matter cycles by home composting and farm-scale composting, iv) Current situation regarding composting approaches in the North-East Region: Piatra Neamt case, v) Discussion in groups: problems and solutions to optimise the management of biodegradable waste in the North-East Region.

- Training course delivered to school teachers who are or will be involved in environmental awareness activities in their schools based on the theory and practice of composting.
- Two meetings were held, one with representatives from NGOs of Bacau County, and another with representatives from the Project Implementation Unit of the municipality of Bacau. They served as a basis for the preparation of next seminar, whose final goal will be to be the first step towards the establishment of a formal collaboration of REPA, LEPAs, NGOs and municipalities in the awareness campaigns on home composting, REPA and LEPAs acting as knowledge centers for the topic.
- Preparation of several documents related to the benchmarks established for this activity was discussed and started, namely 2 DVDs with educational materials on home and school composting, a report on compost quality and marketing, and a document on the life-cycle approach to waste policy (going beyond waste avoidance schemes).
- A meeting with the rector of the University of Bacau, where the basis for the collaboration of this University with the University of Vigo (to which the Spanish STE belongs) in several areas was established.

Activity 4.2 (third seminar, 4.2.c)

Reference number and title of Activity: 4.2.- Support to elaborate modern approaches related to the implementation of the future EU legislation requirements in the field of biodegradable household waste.

The title of this second seminar is "Implementation of composting techniques in the Region 1 – North-East. Awareness campaigns. Awareness in schools. 2nd seminar & supporting materials".

Names of MS experts who delivered it: A. Veeken and H. Huisman (STEs, The Netherlands).

Number of experts from the BC who participated and their departments of origin: 81 (2 experts from NEPA, 1 from MoE, 1 from REPA, 10 from LEPAs, 2 from NEG, 7 from municipalities, 9 from operators, 2 from University, 3 from School Inspectorate, 1 from House of Teachers Bacau, 1 from monastery, 14 from NGOs and 27 school teachers & students).

Duration of the activity: 11 – 19 May 2009.

Main outputs:

- In this seminar the experts prepared some of the materials related to deliverables of activities 3.3.2 and 4.2, commented in pages 8-10.
- Series of meetings held with all groups of stakeholders involved in these topics (total of 81 participants). Discussions were held on several subjects: i) Technical alternatives to implement home and community composting in cities, towns and villages, ii) Importance of awareness campaigns to implement home and community composting, as well as selective collection. Presentation of supporting materials prepared by the Twinning project, iii) Key aspects to make good quality compost, iv) Promotion of environmental awareness programmes in schools, based on composting theory and practice. Presentation of supporting materials prepared by the Twinning project. Role of schools in spreading awareness to promote composting.
- A document with recommendations, based on the discussions held. (see annexes; can be downloaded from the Twinning's webpage)

Activity 4.3

Reference number and title of Activity: 4.3.- Last EU legislation and domestic waste management implementation

Names of MS experts who delivered it: E. López and M. Sánchez (STEs, Spain), H. Huisman (The Netherlands).

Number of experts from the BC who participated and their departments of origin: 7 experts from the Ministry of Environment.

Duration of the activity: 9th – 11th June 2009.

Main outputs:

- A series of meetings held in Bucharest with representatives from the Directorate for Waste and Hazardous Substances of the Ministry of Environment. The experts discussed those aspects of the current European domestic waste management legislation of more interest to the Romanian experts, based on the examples of the experiences in Spain and The Netherlands. The topics were the following: i) Construction and demolition waste from households – instruments and financial-economic mechanisms to create a system for collection and putting into value, ii) Portable batteries – methods to stimulate the citizens to collect them separately, iii) Identifying WEEE in the Harmonized Customs Tariff - allocation of a customs code. Their classification according to customs codes, iv) Biowaste. Collection schemes. Measures and instruments used / stipulated by legislation of member states in order to achieve their targets, v) Measures and instruments foreseen by legislation regarding the treatment of domestic waste before landfilling, vi) -Issues related to the transposal of some provisions from the 2008/98/EC Directive - no longer waste (statute), vii) Closure of waste landfills – which fall under article 14 from Directive 1999/31/CE regarding waste landfilling, viii) Waste list, classification criteria; characterisation of waste, ix) Acceptance criteria at the landfill – applied procedures / Guide used by the landfill operator.
- Provided, on request, a set of translations of several national and regional waste laws of Spain and The Netherlands related to waste oils, construction and demolition waste and end-of-life vehicles
- A document with recommendations, based on the discussions held. (see annexes; can be downloaded from the Twinning's webpage)

Component 5

Activities 5.1.1 and 5.1.2: These activities, related to the communication exchange with other twinning projects and with other REPAs and LEPAs, specially about subjects related to the focal point of the project, were fulfilled, and the main output was the Twinning's webpage, <http://www.twinning-waste-bacau.ro>, with over 6.000 visitors / month, and an average of 4 Gb / month of downloads.

Activity 5.2.1

Reference number and title of Activity: 5.2.1 – First Study Visit to Spain.

Names of MS experts who delivered it: The study visit was organised, in collaboration with REPA, by the RTA, the Spanish PL J. Álvarez and the STE M. E. Campos.

Number of experts from the BC who participated and their departments of origin: 10 (4 experts from REPA, 3 from LEPAs 2 from NEPA and 1 from MESD).

Duration of the activity: 8 – 12 september 2008.

Main outputs:

- Study visit to relevant Spanish administrative bodies at national, regional and local level, in Galicia region: meetings held with the regional Minister of Environment, with the President of the Association of Municipalities of Galicia (FEGAMP), with the President of the Galician Institute for Economical Promotion (IGAPE), with representatives of the (big) municipalities of A Coruña and Santiago de Compostela, and of two smaller municipalities which collaborate in an exemplary way with the environmental policies of the region, namely Ordes and Cerceda.
- Study visit to waste management facilities of that region, including: Landfills, thermo-destruction plants, organic waste production plants, waste selection plants and waste recycle plants (for bulky waste, WEEE waste, construction and demolition waste, animal waste). Collection points for diverse fractions of waste, a waste water treatment plant and a biodiesel production plant visited as well.
- The opportunity was also taken to organise in parallel a visit of the rector of the university of Bacau, who held a meeting with the rector and several other representatives of the university of Santiago de Compostela, and a collaboration agreement was signed for the exchange of students and teachers.

Activity 5.2.2

Reference number and title of Activity: 5.2.2 – Second Study Visit to The Netherlands.

Names of MS experts who delivered it: The study visit was organised, in collaboration with REPA, by the RTA and the Dutch Junior Partner Coordinator, H. Huisman.

Number of experts from the BC who participated and their departments of origin: 10 (4 experts from REPA, 3 from LEPAs 2 from NEPA and 1 from MoE).

Duration of the activity: 23 – 27 march 2009.

Main outputs:

- Study visit to relevant Dutch and Belgian administrative bodies at national, regional and local level: meetings held with high level representatives from: i) SenterNovem, (The Hague), ii) Infomil Reach helpdesk, iii) National Waste Shipment notification desk (LMA), iv) hospital waste Dordrecht, v) OVAM (Mechelen), vi) GAD headquarters (example of municipal cooperation), vii) DCMR (REPA of Rotterdam).
- Study visit to waste management facilities of The Netherlands and Belgium, including: i) home composting initiatives in Flandria, ii) Industrial-scale composting facilities in Flandria, iii) VAR site (land filling, recycling building demolition waste, composting), iv) AEB Incineration plant Amsterdam.
- Also, on request by the beneficiaries, visits were performed to: i) contaminated sites in Rotterdam harbour, ii) poultry farms and their licensing (province Gelderland).

2E – ANALYSIS OF THE LONG-TERM IMPACT OF THE PROJECT

The extensive training programme followed by the staff of the Regional and Local Protection Agencies (REPA and LEPAs), the Intermediate Body for the Sectorial Operational Programme Environment and National Environmental Guard working in the Region 1 – North East of Romania has improved substantially their performance to response to the new responsibilities and demands linked to the implementation of the EU environmental acquis in the following years. Knowledge from the experience of spanish and dutch experts has been transferred, based mainly on the discussion of real study cases of those countries and of Romania.

But not only the environmental public administration of the Region 1 – North East has benefitted from this programme, as there has been as well often participation from staff of the National Environmental Protection Agency, specially in the seminars devoted to the focal point of this project. Also a part of the training was delivered specifically to the staff of the Ministry of Environment working in the field of waste management, dealing with the currently more problematic aspects of the implementation of the waste management acquis in Romania.

Due to the essential role of other stakeholders in the management of municipal waste, like County Councils, municipalities and operators, information has been provided to them as well, through their participation in some of the seminars on the subject. Also the environmental awareness programme in schools started in the Twinning Phase I has been continued and extended in this Twinning Phase II, promoting in this way an intense collaboration of REPA and LEPAs with the schools participating, which will continue due to its success.

To guarantee a more extended impact both in range and in time, many supporting materials (see pages 7-9) have been prepared and distributed to all the beneficiaries of the project mentioned in this section.

Moreover, the experience gained throughout the project awakened the interest of the participants in the development of future common initiatives. This has been possible thanks to the good tuning and understanding among the members of the Twinning team, as well as the good attitude of all the authorities favouring the development of the Twinning. There is a reciprocal desire to be involved in new international projects and to create linking paths among the twinned regions and countries.

Up to now, the main responsables of the Twinning have established two new bonds between romanian and spanish institutions:

- The collaboration agreement established between the Universities of Bacau and of Santiago de Compostela, both for the exchange of students (ERASMUS Programme), as for the exchange of teachers and the execution of common research projects.
- A similar agreement between the University of Bacau and the University of Vigo.

2F – LESSONS LEARNT

The exchange of experience performed during the implementation of the project have provided some general lessons:

- The staff from the environmental public institutions which has participated in the activities of the project has a good technical background, being eager to learn from the experience of other experts in subjects or challenges related to the implementation of the EU acquis which are new for them.
- It is important, specially for subjects embracing a broad set of fields of expertise (like projects funded by Structural or Cohesion Funds to build environmental infrastructures) to organise periodically meetings or events where the different environmental administrations and other stakeholders meet and discuss about the problems found and how to solve them in a coordinate way. Otherwise the lack of communication between them may lead to a general slow down in the execution of projects, for example.
- The involvement of staff from the central level (MoE and NEPA) in the trainings and workshops is important to spread the results of a regional project like this Twinning to other regions.
- The elaboration of a webpage with a clear structure and with all the materials of the project available, has proven to be an extremely useful way of spreading the results and knowledge gained during the project.

2G – KEY RECOMMENDATIONS

Related to the lessons learnt come the following key recommendations:

- Regarding the new topics discussed during the seminars and workshops, several useful supporting materials have been prepared and distributed by the Twinning team and experts (see pages 7-9). These materials should be used and distributed by the NEPA, REPA and LEPA to other stakeholders for whom they could be of use.
- In order to have access to huge amounts of EU information and networks, and to establish links with experts from other EU member states, training courses to learn english should be provided to the staff of the environmental institutions.
- For a detailed list of recommendations provided by the member state experts during the project, read the compilation document prepared by the RTA, available in the Twinning DVD, or in the website in <http://www.twinning-waste-bacau.ro/twinning-3/activities/supporting-materials-produced-not-used-in-seminars/institutional-capacity/guidelines-improved-functioning-compilation-of-recommendations-from-seminars/view> (english version) and <http://www.twinning-waste-bacau.ro/twinning/activities/supporting-materials-produced-in-addition-to-the-ones-of-seminars/capacitatea-institutionala/compilatie-de-recomandari-furnizate-in-cadrul-sesiunilor-de-instruire/view> (romanian version).

2H. TIMING AND DELAYS

Adherence to time schedule

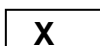
Project Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Month	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	July	Aug
Activity 1.1	X																	
Activity 1.2																	X	
Component 2 INSTITUTIONAL CAPACITY BUILDING																		
Activity 2.1		X																
Activity 2.2					X					X				X	X			
Activity 2.3																	X	
Component 3 SUPPORTING DAILY ACTIVITIES																		
Sub-Component 3.1 Environmental Planning																		
Activity 3.1.1		X																
Activity 3.1.2				X X											X			
Activity 3.1.3																	X	
Sub-Component 3.2 IPPC																		
Activity 3.2.1		X																
Activity 3.2.2					X			X	X			X					X	
Activity 3.2.3																	X	X
Sub-Component 3.3 Waste Management																		
Activity 3.3.1		X																
Activity 3.3.2					X						X							
Activity 3.3.3																X	X	
Sub-Component 3.4 Air Quality																		
Activity 3.4.1		X																
Activity 3.4.2							X			X					X			
Activity 3.4.3																	X	
Sub-Component 3.5 Biodiversity and Nature Protection																		
Activity 3.5.1			X															
Activity 3.5.2									X			X				X		
Activity 3.5.3																	X	
Sub-Component 3.6 Soil/subsoil protection and ecological reconstruction																		
Activity 3.6.1					X													
Activity 3.6.2											X			X			X	

Twinning Contract number: RO/2006/IB/EN06

Project Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Activity 3.6.3																	X	
Sub-Component 3.7 Chemicals																		
Activity 3.7.1			X															
Activity 3.7.2				X					X									
Activity 3.7.3																X		
Sub-Component 3.8 Horizontal Legislation																		
Activity 3.8.1				X														
Activity 3.8.2								X					X					X
Activity 3.8.3																	X	
Sub-Component 3.9 Structural Instruments																		
Activity 3.9.1				X														
Activity 3.9.2								X X				X			X			
Activity 3.9.3																X		
Component 4 Specific Activities Focussed on Domestic Waste																		
Activity 4.1.								X	X				X	X	X			
Activity 4.2								X				X			X			
Activity 4.3																X		
Component 5 Information Exchange																		
Activity 5.1.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Activity 5.1.2			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Activity 5.2.1							X											
Activity 5.2.2													X					



Activity/action planned acc. To Contract



Activity/action performed



Activity/action Delayed by more than 3 months

Recuperation of delays

The only activity with seminars delayed more than 3 months was activity 2.2, where the advise from the representatives of the Ministry of Environment, explaining that it was better to have activities related to Institutional Capacity after the romanian legislative elections, has been followed. The last seminar of this activity took in april 2009.

2I. ASSESSMENT / CONCLUSIONS

For the great satisfaction of the romanian, spanish and dutch administrations involved in this project, all the objectives established initially in the covenant have been fulfilled through the complete execution of the seminars and workshops programme, the delivery of all the technical support materials, and the communication tools and documents.

Through the programme implemented a better trained staff from environmental administrations, with improved skills to perform successfully their tasks, has been achieved, specially in the field of urban waste. More than 1.100 participants have benefitted from the training programme. As a consequence, the Region North-east has become a reference for the rest of environmental administrations and stakeholders involved in urban waste management in the country. In this sense, the training received, the creation of the webpage and the preparation of supporting materials played a key role to reach this success.

The exchange of experiences during the seminars lead in a natural way to the creation of friendship links in the context of the project. Simultaneously to the execution of the programme of activities, the experts of the countries involved belonging to different administrations generated interesting cooperation synergies among them, establishing the basis for future projects. This constitutes a catalyst for the process of alignment with the environmental acquis which Romania is currently experiencing.

2J. INFORMATION ON THE STEPS TAKEN TO ENSURE THE VISIBILITY OF EU FINANCING

All the multimedia materials produced, the promotional materials and the webpage of the project followed the EU visual identity guidelines and were subject to the revision and approval from the romanian Ministry of Environment and CFCU.

Section 3: Expenditures

The financial part of the report is still under development by the organisations in charge of it (FIIAPP on the spanish side and SenterNovem financial department on the dutch side), and will be shortly delivered, including the following information:

3A – FINAL STATEMENT OF ALL ELIGIBLE COSTS AND FULL SUMMARY STATEMENT OF THE TWINNING PROJECT'S INCOME AND EXPENDITURE AND PAYMENT RECEIVED

3B – FINAL BUDGET

3C – AUDIT CERTIFICATE