

# Quarterly Progress Report N°09



EUROPEAN COMMISSION

## **TWINNING PROJECTS INTERIM QUARTERLY REPORT**

**Project Title:** Improving Emissions Control

TR 2008/IB/EN/02

**Partners:** Umweltbundesamt (Environment Agency Austria)  
and  
Ministry of Environment and Urbanisation,  
Turkey

**Date:** June 2013

## 1. Overview

---

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

<b>Section 1</b>	Basic data of the project
<b>Section 2</b>	Report about progress achieved during the reporting period and plans for the follow-up period
<b>Section 3</b>	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.

## Executive Summary

**This report** - the last before the end of the Project - summarises activities undertaken by the Twinning Project from 25<sup>th</sup> April 2013 to 6<sup>th</sup> July 2013 that marks the end of the project implementation period.

Seven Missions covered activities under components 0 (0.2 closing event), C3 and C4 and a wrap-up meeting as part of activity 0.2. This was followed by the closing event held on 11 June 2013 in Ankara. STEs involved spent 41 person-days in Turkey.

Highlights of progress made until 11<sup>th</sup> July 2013 include:

- a) Review of two draft legislation documents;
- b) Delivery of Turkish versions of two benchmark reports;
- c) Meeting to wrap-up project results;
- d) Consultation with the Ministry on progress made and future cooperation;
- e) Elaboration and approval of side letters no. 25 and 26;
- f) Two workshops on particulate matter and black carbon and on air quality modelling and assessment;
- g) Closing event held on 11<sup>th</sup> June 2013 followed by the final steering committee meeting.

The Ministry did not nominate participants for the study tour to Finland, which already was postponed twice. This hampered the achievement of benchmark B4.2.2.

About 88% of total budget allocated was spent. The draft expenditure compilation of the reporting period is in Annex 8 of this report. Expenditure is subject to revision because of work on the Project ended on Friday, 5<sup>th</sup> July 2013. The final report/final expenditure will reflect this.

The draft progress report was sent to all SC members in advance to the Steering Committee Meeting held on 11<sup>th</sup> June 2013.

**Section 1: Project Data**

<b>Twinning Contract Number</b>	TR 2008-IB-EN-02
<b>Project Title:</b>	Improving Emissions Control
<b>Twinning Partners (MS and BC)</b>	Umweltbundesamt GmbH (Environment Agency Austria) and Ministry of Environment and Urbanisation, Turkey
<b>Report Number:</b>	<b>08</b>
<b>Period covered by the report:</b>	25 April to 06 July 2013
<b>Duration of the project:</b>	24 months + 2 months extension
<b>Project Leaders:</b>	<u>BC Project Leader:</u> Mr Muhammet ECEL - Deputy General Director - T.R. Ministry of Environment and Urbanisation  <u>MS Project Leader:</u> Mr Manfred RITTER Umweltbundesamt GmbH (Environment Agency Austria) <u>Junior MS Project Leader:</u> M.Sc. Kimmo Juhani SILVO Finnish Environment Institute, SYKE
<b>Preparation of the Report:</b>	Dr. Dietmar KOCH (RTA)
<b>Project Website</b>	<a href="http://www.csb.gov.tr/projeler/nec">www.csb.gov.tr/projeler/nec</a>

## Section 2: Progress and Achievements

*This section describes the activities of the project. It is divided into 5 sub sections 2A- 2E.*

### List of Contents

<b>1 2A - BACKGROUND .....</b>	<b>6</b>
1.1 Policy and General Developments .....	6
1.2 Project Assumptions.....	6
<b>2 2B - ACHIEVEMENT OF MANDATORY RESULTS .....</b>	<b>6</b>
2.1 Benchmarks in the reporting period .....	6
<b>3 2C - ACTIVITIES IN THE REPORTING PERIOD.....</b>	<b>6</b>
3.1 All Components .....	7
3.2 Proceedings of the activities .....	10
3.3 Issues to be considered .....	10
<b>4 2D - TIMING AND DELAYS .....</b>	<b>11</b>
4.1 Adherence to Time Schedule .....	11
4.2 Recuperation of delays.....	12
<b>5 2E - ASSESSMENT.....</b>	<b>12</b>
5.1 Overall Assessment of progress .....	12
5.2 Findings and Recommendations .....	12

### Annexes

Note: Considering the Environment, Annexes were not printed but made available electronically. All mission reports and draft papers were reviewed by the MoEU.

Annex 1	MR_Act.0.2_SILVO+RITTER_June2013
Annex 2	Guidance on maintenance of the website_July2013
Annex 3	MR_Act.3.1_KAMPEL_REBERNIG_NAGL_PHILIPPITSCH_May2013
Annex 4	MR_Act.4.1_SAUTNER_May2013
Annex 5	MR_Act.4.2_POUPA_June2013
Annex 6	MR_Act.4.2_BUXBAUM_June2013
Annex 7	MR_Act.4.3_MAYER_April2013
Annex 8	Q9_Expenditure_Draft

Note: The Quarterly Progress Report only covers activities and results of this reporting period.

## **1 2A – BACKGROUND**

### **1.1 Policy and General Developments**

The General Affairs Council's (GAC) meeting in Luxembourg held on 25<sup>th</sup> June 2013 welcomed that the Member States reached agreement to open Chapter 22 (regional policy and coordination of structural instruments) and in principle on the Common Position. This should help Turkey in its efforts to tackle some of the socio-economic disparities linked to the Kurdish issue. It can also provide support to Turkey in dealing with the consequences and regional impact caused by the Syria refugee crisis.

At the press conference after the meeting, the Commissioner Štefan Füle underlined this as a clear response to many of those who have been demonstrating peacefully in recent weeks as it should strengthen EU efforts to engage with Turkey and re-establish the relevance of the EU-related reforms as the benchmark for Turkey.

The Beneficiary is running four Twinning Projects in parallel, of which three were holding closing events as follows:

- Improving Emissions Control, TR08IBEN02: 11 June 2013
- Institutional Building on Air Quality in the Marmara Region, TR07IBEN02: 13 June 2013
- Integrated Pollution Prevention and Control, TR08IBEN03: 24 June 2013

The TW Project on Control of industrial volatile organic compound emissions will continue until the end of September 2013.

### **1.2 Project Assumptions**

The assumptions specified for each Activity remained valid.

## **2 2B - ACHIEVEMENT OF MANDATORY RESULTS**

### **2.1 Benchmarks in the reporting period**

The Project achieved all Benchmarks by the end of the eight quarter. This was possible due to great support and commitment of the Beneficiary.

## **3 2C - ACTIVITIES IN THE REPORTING PERIOD**

Activities undertaken in the reporting period required seven expert missions, which focussed on additional training requested by the beneficiary and on increasing the awareness of stakeholders for the implementation process of the NECD. This included a wrap-up meeting and the closing event.

The following chapter provides interim results of missions including recommendations where it was seen appropriate. Details of each activity/mission were included in mission reports drafted by STEs.

### 3.1 All Components

During the reporting period, activities/missions were carried out under the components 3 and 4. Some STEs covered multiple activities within a single mission, others carried out a joint mission. The hand-over of project website to the Ministry was associated with guidance and training on maintenance of the site (update of benchmark B2.3.3 due to change of website host and software by the beneficiary) after the Project has ended.

#### Summary:

Component 0: Closing Event

Component 1: >completed<

Component 2: Trainings completed, but hand-over of project website was to be done by the end of the Project.

Component 3: One mission on institutional cooperation;

Component 4: Five missions to,

- review two drafts legislation,
- consult the Ministry on progress made and future cooperation;
- wrap-up project results and get prepared for the closing event;
- carry out a workshop on particulate matter and black carbon;
- hold a workshop on air quality modelling and assessment.

#### Details:

##### Component 0:

###### Closing Event

This event took place on 11 June 2013 in Hilton Hotel Ankara. About 96 participants registered for the event, which was opened by the BC Project Leader Mr Muhammet ECEL. The Ambassadors of Finland to Turkey and of Austria to Turkey and a representative from the EUD delivered keynote speeches. These were followed by Mr Manfred RITTER, MS Project Leader, Mr Kimmo SILVO, Junior Partner and Dr. Dietmar KOCH, RTA who elaborated more on the Project results. Certificates of Appreciation were hand-over to Turkish experts who actively participated in the Project's workshops, trainings and meetings of the Coordination Committee.

More details, presentations and the list of participants were included in the mission report drafted by Manfred Ritter and Kimmo Silvo that is in Annex 1 of this progress report.

##### Component 2:

Following an update of the project website, designed and maintained by Ms Gönenç INAL, project assistant, an internal workshop on website maintenance was held on 1<sup>st</sup> July 2013. For this, Ms Inal drafted a guidance document (see Annex 2 of this progress report) that will enable the beneficiary to maintain the website after the Project has ended.

This workshop marked the fulfilment of the related benchmark B.2.3.3. The Ministry is expected to continue using this site to show *inter alia* progress on the NECD implementation including interim results of the Coordination Board.

**Component 3:**

**Activity 3.1: Preparation of an agreed strategic action plan for the achievement of National Emission Ceilings**

In week 22, an expert team (Violeta Philippitsch, Christian Nagl, and Elisabeth Kampel) from the Environment Agency Austria, led by its managing director, Mr Georg REBERNIG was involved in several activities. The main aim of this mission was to discuss possible contribution of interested stakeholders during the implementation of the Strategic Action Plan in the future. The mission included a meeting with Klaus Wolfer (Austrian Ambassador) and Sabine Kroissenbrunner (Ambassador Deputy), consultations with the Ministry (new General Director of Environmental Impact Assessment, Permission and Inspection, Dr. A. Cagatay Dikmen and the Section Chef of Environment Agency, Department of Environmental Inventory and Information Management in the General Directorate of EIA, Permit and Inspection, Ms. Fatma Nur Cebecioglu.e.g. EIONET focal point, RTA counterpart), the preparation and undertaking of the wrap-up meeting and preparatory work for the closing event (e.g. leaflet, press release).

The joint mission report is in Annex 3 of this progress report.

**Component 4:**

**Activity 4.1 Evaluation of the institutional and technical capacity for the implementation of the NEC Directive in Turkey**

The objective of the mission by Mr Martin Sautner in week 18 was to review the two draft legislative proposals (B1.1.3 and B4.1.2) and discuss ways for their transposition into national legislation. This may include provisions to grant public access to data associated with an effective implementation of the NECD. The proposed primary legislation (Cabinet Decree) implementing the NEC Directive.

This final mission completed the effort to clarify roles and responsibilities of institutions involved in the transposition and implementation of the NECD. The Project helped the Ministry establish the necessary capacity for the work to come.

The mission report drafted by Mr Sautner is in Annex 4 of this progress report.

**Activity 4.2 A comprehensive training programme covering training events both in Turkey and in member states**

In week 23, Mr Stephan POUPA held a workshop on the issues of generation and release of particulate matter (PM<sub>2.5</sub>) and black carbon (BC) into the air. Particulate Matter (PM) results in emissions consisting of a mixture of particles suspended in the air including dust or Total Suspended Particulate Matter (TSP), PM<sub>10</sub>, PM<sub>2.5</sub> and black carbon (BC). PM was recently added to the Gothenburg Protocol, and will be included in the NECD being revised. Strengthened by many epidemiological studies, sufficient evidence suggests that there is an association between long and short-term exposure to ambient particulate matter and various serious health impacts.

More information was made available by the STE in his mission report that is in Annex 5 of this progress report.

In week 24, Ms Iris BUXBAUM carried out a workshop on air quality modelling and assessment. The main objective was to show the link between data contained in emissions inventories and air quality measurements. A presentation was given explaining the EMEP model, source-receptor relationships and reduction scenario results. The focus was on the use and interpretation of EMEP model results and on the usefulness for the emission inventory team. She also touched upon dispersion modelling as mathematical treatment of the relationship between emissions, meteorology, topography and other factors. Dispersion modelling coupled to emissions data and health statistics may be used to prepare a localised cost-benefit analysis and discriminate between alternative emission control approaches.

An overview of the Forum for Air Quality Modelling in Europe (FAIRMODE) was presented supplemented by brief introductions of selected models and their applications. The Ministry maybe deciding to apply the US CMAQ model for larger and urban scale simulation of pollution concentration levels. Model results can be used to assess the air quality impact of sources like traffic, industry, domestic emissions.

The inventory team was advised to collect and provide necessary data feeding the model(s) in the future.

Based on a brief presentation on the “Critical load and level approach” generated a desire for more information, which the Project cannot provide anymore.

The mission report drafted by Ms Buxbaum is in Annex 6 of this progress report.

### Activity 4.3: Dissemination workshop on the implementation of the NECD in Turkey

In week 18, Mr Johannes MAYER carried out a workshop to discuss status and the development perspectives of “Priority Dataflow Reporting” from Turkey to the European Environment Agency with the Turkish National Focal Point. This was followed by a workshop on “Management of and access to environmental information (with focus on emissions to air and air quality), reporting to European Environment Agency, international co-operation etc.”

Mr Mayer recommended to further improve “Priority Dataflow Reporting” and related monitoring/assessment/reporting chains in all relevant thematic areas (bilateral and EU financed) and expert support schemes. The Turkish NFP team should develop an initial thematic “wish-list” as basis for further dialogue.

The mission report drafted by Mr Mayer is in Annex 7 of this progress report.

In week 24, Ms Elisabeth KAMPEL, together with the BC prepared the wrap up meeting and held informal feedback sessions. These included discussions on lessons learned from the project for the benefit of both MS and BC and on how to ensure sustainability of project results in the beneficiary country. Her report is part of the joint mission report under Act. 3.1, which is in Annex 3 of this progress report.

### **3.2 Proceedings of the activities**

Proceedings of the missions, as well as minutes of meetings, were presented in the respective reports. In all cases, these were sent to the participants and the BC representatives for comments. Final versions, together with agendas, presentations and lists of participants included in mission reports were archived at the Twinning office. Presentations and selected documents were archived and partly uploaded to the Project website at: [www.csb.gov.tr/projeler/nec](http://www.csb.gov.tr/projeler/nec)

### **3.3 Issues to be considered**

(1) The Beneficiary has not nominated participants for the study tour to Finland, which has been postponed for the second time. The Ministry must take full responsibility for the failure of not achieving benchmark B4.2.2. This needs to be considered during the evaluation of Project results.

4 2D - TIMING AND DELAYS

4.1 Adherence to Time Schedule

TR08IBEN02 - Improving Emissions Control		B M E A R C H S	2011												2012												2013				Extension	
Month of Project			May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun				
Operational Project Management					Q1				Q2			Q3			Q4			Q5			Q6			Q7		Q8		Q9				
Project Coordination / Steering Committee Meetings				√					√			√			√		√				√			√		√		√				
Running month		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26					
<b>Component 0 - Visibility Events</b>																																
Activity 0.1: Opening event	B0.1			C																												
Activity 0.2: Closing event	B0.2																													C		
<b>Component 1 - Understanding of int. and EU legislation related to the NEC Directive and of the roles and responsibilities of the competent authorities in the Transposition of the NEC Directive</b>																																
Activity 1.1: Identification present situation	B1.1.1	√				√	C																									
	B1.1.2	√					√			C																						
	B1.1.3						√			√				√						C												
Activity 1.2: Investigation of roles and responsibilities	B1.2.1						√	√	√																			C				
Activity 1.3: Assessment of air management structure	B1.3.1						√			√		C																				
	B1.3.2									√		C																				
<b>Component 2 - Establishment of the necessary capacity to prepare and manage the national NEC Directive inventory system and to compile, report and archive NOx, NMVOC, SO<sub>2</sub> and NH<sub>3</sub> emissions data (including projections)</b>																																
Activity 2.1: Training on inventory preparation, management & reporting	B2.1.1	√		√			C																									
	B2.1.2													S1	C																	
	B2.1.3							√	√				√					√	√	√	C											
	B2.1.4												√								C											
	B2.1.5			√							√	√	√							C												
	B2.1.6																		√		C											
Activity 2.2: Awareness workshops and seminars	B2.2.1					C																										
	B2.2.2						C																									
Activity 2.3: Project Website	B2.3.1			√	C																											
	B2.3.2																													C		
	B2.3.3			√	C																											
<b>Component 3 - Establishment of the necessary capacity to develop a strategic action plan to reduce emissions of NEC pollutants and to implement the Action Plan</b>																																
Activity 3.1: Strategic Action Plan	B3.1.1						√	√				√				√		√	√	√	√	√	√	√	√	C						
	B3.1.2																	√		√	√	√	√	√	√	C						
Activity 3.2: Abatement Road Map	B3.2.1										√				√		√		√	√	√	√	C									
<b>Component 4 - Development of reporting capacity in line with the NEC Directive</b>																																
Activity 4.1: Evaluation the Institutional Capacity	B4.1.1		√	√		√				√						√				C			√	C								
	B4.1.2															√				√				√	√			C				
Activity 4.2: Training Programme	B4.2.1															√			√	√	√	√	√	√	√	√		C				
	B4.2.2																												S2			
Activity 4.3: Dissemination Workshops	B4.3.1							√			√		√				√		√	√	√		C									
Running month		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26					

## 4.2 Recuperation of delays

The non-approval of the study tour to Finland cannot be recuperated by the Project anymore.

## 5 2E - ASSESSMENT

### 5.1 Overall Assessment of progress

The Ministry very much appreciated the very good results achieved by the Project. The main achievements were as follows:

- Draft **legislation** for the transposition of the NECD;
- Establishment of **National Coordination Board (CoBoard)**;
- Draft **By-law** on roles and responsibilities of Institutions involved in the process;
- **Strategy and an Action Plan (SAP)** towards meeting emissions ceilings once negotiated with the EU;
- Emissions **Abatement Roadmaps** by sectors (EARM) providing recommendations for the implementation of the NECD in a cost-effective manner;
- National **Air Emissions Inventory** for the NEC pollutants together with the **Informative Inventory Report (IIR)**;

These were highlighted by many speakers at the closing event held on 11<sup>th</sup> June 2013 as successfully delivered by the Project.

The Project's activities incurred most of the budgeted expenditure but surplus was generated by the study tour that did not take place.

Main administrative actions included the preparation of missions, the wrap-up meeting and the closing event. This required agreeing on contents of material for inclusion in the event folders, commissioning the printing of material, hiring interpretation service and ensuring visibility of the project in advance to and during the closing event.

The implementation period of the Project ends on 6<sup>th</sup> July 2013.

### 5.2 Findings and Recommendations

No observations.

### **Section 3: Expenditures**

Draft budget tracking and actual expenditures in the reporting period are presented in a separate Excel file that is in Annex 8 of this report.

**Done at Vienna and Ankara in four originals in the English language, one for each of the signatories, the CFCU and the EUD.**

**BC Project Leader  
Mr Muhammet ECEL**

**MS Project Leader  
Mr Manfred RITTER**

.....  
Signature

.....  
Signature

.....  
Date

.....  
Date