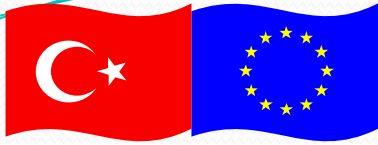


# 2<sup>nd</sup> Quarterly Progress Report

**TR08IBEN02**

**IMPROVING EMISSIONS CONTROL**



# ***Contents***

- 1. Benchmarks achieved**
- 2. Current work**
- 3. Project Management**
- 4. Updated Workplan**
- 5. TA and TW Joint Action**
- 6. Forward Planning**

# **1. Benchmarks achieved**

- B1.1.1 Overview of data providers**
- B2.1.1 Assessment of current Inventory process incl. identification of Training Needs**
- B2.2.1 Awareness Workshop & Training**
- B2.2.2 Publication (being reviewed by experts)**
- B2.3.1 Launch of the Project website**
- B2.3.2 Guidance for maintenance of the website**

## **B1.1.1 OVERVIEW OF DATA PROVIDERS**

**We** share this list with the TA Project - discussed with BC - considered the SoP:

- **Çevre ve Şehircilik Bakanlığı (MoEU)**
- **Ulaştırma Bakanlığı** (Ministry of Transportation, Maritime Affairs and Communication)
- **Enerji ve Tabii Kaynaklar Bakanlığı** (Ministry of Energy and Natural Resources)
- **Gıda, Tarım ve Hayvancılık Bakanlığı** (Ministry of Food Agriculture and Livestock)
- **Orman ve Su İşleri Bakanlığı** (Ministry of Forest and Water Works)
- **TÜİK** (TurkStat)

**We** will have to monitor and update it if necessary.

NFR code	Source Category	Action by Data Providers
1A1, 1A2	Electricity Generation & Industrial Combustion Emissions	<ul style="list-style-type: none"> <li>- to continue to compile sector emission estimates</li> <li>- to compile point source estimates</li> </ul>
1A3b	Road Transport	<ul style="list-style-type: none"> <li>- to develop and operate detailed emissions modelling of air quality and GHG pollutants</li> <li>- to provide fuel use data for</li> </ul>
1A3c, 1A3d	Rail and Shipping	<ul style="list-style-type: none"> <li>- to continue to compile sector emission estimates</li> <li>- to investigate whether it is possible to improve on the current methodology for AQ pollutants</li> </ul>
1A3ai, 1A3aii	Aviation	<ul style="list-style-type: none"> <li>- to continue to compile emission estimates (international cruise?)</li> </ul>
1A3a,c,d,e	(other) Mobile Machinery (industrial, domestic, military)	<ul style="list-style-type: none"> <li>- to continue to compile sector emission estimates (assuming machinery specific methodology is being used)</li> <li>- to consider providing PM emission factors</li> </ul>
1A4a -c, 1A5a	Commercial/Residential Combustion, Combustion in Agriculture/Forestry/Fishery, Military Stationary Combustion	<ul style="list-style-type: none"> <li>- to continue to compile sector emission estimates</li> <li>- to provide NH<sub>3</sub> (and PM) emission factors where appropriate</li> <li>- to check for point source data</li> </ul>
1B1a-c	Extraction and distribution of fossil fuels (Fugitive emissions)	<ul style="list-style-type: none"> <li>- to continue to compile CH<sub>4</sub> emission estimates</li> <li>- to compile NO<sub>x</sub>, NMVOC and SO<sub>2</sub> emission factors and activity data</li> </ul>
2A - 2G	Industrial Processes (2A), Chemical Industry Processes (2B), Ferrous and Non-Ferrous Metal Processes (2C), Processes in Paper, Wood, Food and Drink (2D), and Other Processes (2E-2G)	<ul style="list-style-type: none"> <li>- to continue to compile sector emission estimates</li> <li>- to compile point source estimates</li> </ul>
3A	Solvent Use	<ul style="list-style-type: none"> <li>- to continue to compile sector emission estimates</li> <li>- to investigate whether it is possible to improve on the current methodology</li> </ul>
4B,4D,4F	Agriculture, Livestock (4B), Crops (4D) and Field Burning (4F)	<ul style="list-style-type: none"> <li>- to provide updated N<sub>2</sub>O and NH<sub>3</sub> emissions estimates for livestock and crop</li> </ul>
6A	Solid waste disposal on land	<ul style="list-style-type: none"> <li>- to compile the required data on NMVOC</li> </ul>
6B	Wastewater handling	<ul style="list-style-type: none"> <li>- to compile the required data on NH3</li> </ul>
7 and 11	Other and Natural Sources	<ul style="list-style-type: none"> <li>- to discuss the current methodology, and the potential for any improvement</li> <li>- to undertake improvements, if possible</li> </ul>
NEC Emissions Data		<ul style="list-style-type: none"> <li>- to provide historic emissions data summarised to NFR categories for the NEC Directive submission</li> <li>- to import the emissions data into the reporting templates, and make formal submission under NECD.</li> </ul>
Emissions data for projections		<ul style="list-style-type: none"> <li>- to provide detailed emissions data and activity data for the most recent year, and any projected activity and emission factor data</li> <li>- to liaise with TurkStat to ensure consistency in projections estimates</li> </ul>

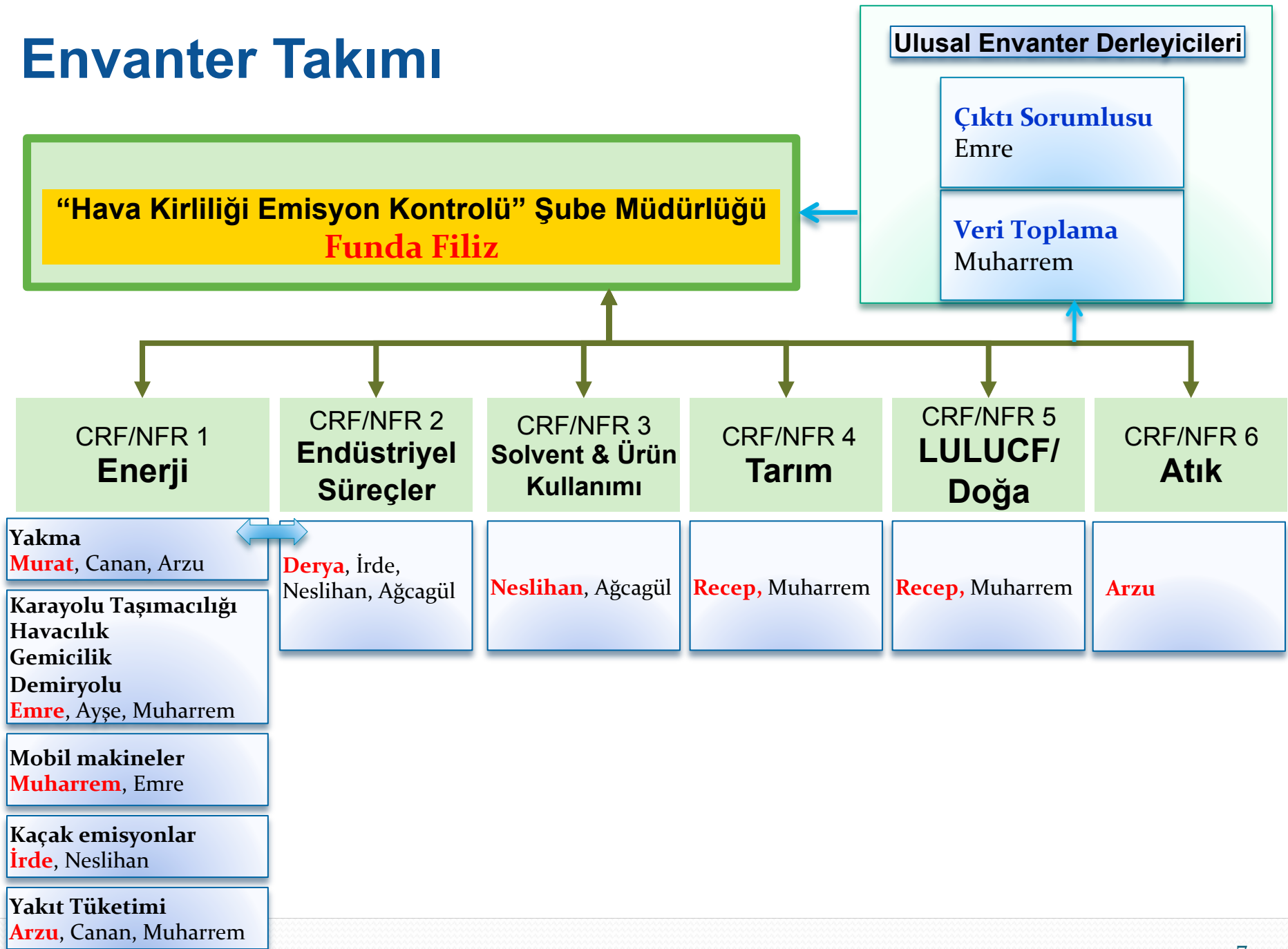
## **B2.1.2 Assessment of current Inventory process incl. Identification of Training Needs**

Mission Reports and an assessment of trainings needs are available.

### Summary:

- (1) The required Inventory not yet available at MoEU;
- (2) First step: NEC inventory;
- (3) Second step: Enhance and extend the inventory to cover other substances;
- (4) TNA carried out;
- (5) Inventory Team established.

# Envanter Takımı



## **B2.2.1 Awareness Workshop & Training and**

## **B2.2.2 Publication (being reviewed by experts)**

**Workshop** held in Ankara on 28+29 Sep 2011;

**It aimed to,**

- present national experience on emissions inventories and projections;
- highlight strategic issues on the implementation of the NECD;
- present and discuss SoP of the Regulation on “Energy and Large Combustion Plants in Turkey” (by MoEU)

### **Publications**

- Minutes ;
- Mission reports and WS Brochure published on the Project website.



**Inventory Compilation and Management of National Systems**  
Ankara, Ministry of Environment and Urbanisation (MoEU)  
28 - 29 September 2011



October 2011

## Launch of the Project website

### B2.3.3 Guidance for maintenance of the website

<http://nec.cygm.gov.tr/nec>

sitefinity

Project:NEC

User: hedy | My Preferences | My profile | Logout

DashboardPagesModulesFilesAdministrationLive Site

Select a folder

- nec
  - App\_Browsers
  - App\_Data
  - App\_Master
  - App\_Themes
  - bin
  - Files
    - Belgeler
    - engl\_version**
    - tr\_version
  - Images

nec/Files/engl\_version

Folder upUpload filesCreate new folder

Name	Size	Extension	Date modified
Agenda_20110721.pdf	312 KB	pdf File	27 Tem 2011, 12:15
Agenda_KickOff_07.07.2011.pdf	357 KB	pdf File	29 Tem 2011, 02:12
Press_Release_20110621.pdf	170 KB	pdf File	29 Tem 2011, 10:50

Files FAQ

**How to rename, delete files and folders**

To rename, copy or move a file/folder, right-click on it and select a command from the context menu.



## Improving Emissions Control

[Home](#) [Project](#) [Documents](#) [Events](#) [Links](#) [Contact](#) [Techn. Assistance Project](#)

## Improving Emissions Control - NEC Directive implementation

The overall objective of the **Twinning project (TR 2008/IB/EN02)** is to "improve the environmental conditions in Turkey by implementation and enforcement of the EU environmental acquis in the frame of ambient air quality." Desired conditions include meeting the EU standards set for ambient air quality towards further protecting human health and the environment. In the Turkish Ministry for Environment and Urbanisation the necessary capacity shall be established to implement the NEC Directive. The aim of this directive is to limit national emissions of sulphur dioxide (SO<sub>2</sub>), nitrogen oxide (NO<sub>x</sub>), volatile organic compounds (NMVOC) and ammonia (NH<sub>3</sub>) in order to improve the protection of the environment and human health against adverse effects from acidification, eutrophication and ground-level ozone.

The **NEC directive (2001/81/EC)** sets emission ceilings for the air pollutants NO<sub>x</sub>, NMVOC, SO<sub>2</sub> and NH<sub>3</sub> for the year 2010, which are not to be exceeded in any year after 2010.

This project is co-financed by the European Union and the Republic of Turkey



<http://nec.cygm.gov.tr/nec/AnaSayfa.aspx?sflang=en>

## **2. Current Work**

### **1.1.2 Roles and Responsibilities of Institutions**

✓ **Basic document available**

### **1.1.3 By-law**

✓ **TOC**

### **1.2.1 International Obligations**

✓ **CLRTAP**

### **1.3.1 Air Management System**

✓ **Status Assessment underway**

## 2. Current Work (2)

### 1.3.2 Analysis of the capacity of public authorities to handle emission problems

- ✓ Mission report on status

### 3.1.1 Strategic Action Plan

- ✓ Draft TOC

### 4.1.1 Assessment of Institutional Structure

- ✓ Draft TOC

## 2. Current Work (3)

### B 4.3.1 Establishment of the Coordination Committee

#### Objectives

- (1) Transposition of the NECD through a **By-law** under the Turkish Environmental Law;
- (2) Design of a **Roadmap** for the implementation of the By-law;
- (3) Development of an **Strategic Action Plan** towards meeting the emissions ceilings.

# 3. Project Management

## *Coordination of Activities:*

- **Daily contact with MoEU staff incl. RTA counterpart, Head of Air Department and Head of Division;**
- **Frequent meetings with BC Project Leader;**
- **Exchange of information with MS Project Leader and backup office in Vienna on Activity and budget management.**

TR08IBEN02 Improving Emissions Control			2011										2012										2013			
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
Operational Project Management					QR				QR			QR			QR			QR			QR			QR		FR
Project Coordination / Steering Committee Meetings					√				x			x			x			x			x			x		x
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
Component 0 - Visibility Events																										
Activity 0.1: Opening event			B0.1		√																					
Activity 0.2: Closing event			B0.2																							
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																										
Activity 1.1: Identification present situation	B1.1.1	√					√																			
	B1.1.2	√						√																		
	B1.1.3																									
Activity 1.2: Investigation of roles and responsibilities	B1.2.1							√																		
Activity 1.3: Assessment of air management structure	B1.3.1							√																		
	B1.3.2																									
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)																										
Activity 2.1: Training on inventory preparation, management & reporting	B2.1.1	√		√				√																		
	B2.1.2														S1											
	B2.1.3																									
	B2.1.4																									
	B2.1.5			√																						
	B2.1.6																									
Activity 2.2: Awarenes workshops and seminars	B2.2.1						√																			
	B2.2.2							√																		
Activity 2.3: Project Website	B2.3.1			√																						
	B2.3.2																									
	B2.3.3				√																					
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																										
Activity 3.1: Strategic Action Plan	B3.1.1						√																			
	B3.1.2																									
Activity 3.2: Abatement Road Map	B3.2.1																									
Component 4 - Development of reporting capacity in line with the NEC Directive																										
Activity 4.1: Evaluation the Institutional Capacity	B4.1.1		√	√		√																				
	B4.1.2																									
Activity 4.2: Training Programme	B4.2.1																									
	B4.2.2																			S2						
Activity 4.3: Dissemination Workshops	B4.3.1																									

123456789101112131415161718192021222324

QR

Quarterly progress Report

FR

Final Report

√

Expert mission carried out

S1

Study Visits: 1. AT, 2. FI



## 5. TA and TW Joint Action

### **TW mandatory result C1**

Establishment of the necessary capacity to,

- Collate activity data and use suitable emission factors to estimate the emissions of  $\text{SO}_2$ ,  $\text{NO}_x$ , NMVOC and  $\text{NH}_3$ .

### **TW mandatory result C2**

Strengthening the capacity to manage the national inventory system from compilation to reporting.



**M10**

### **TA Milestone**

Guidelines available for the effective use of methodologies for emissions inventory.

Benchmark / Activity	week
2.1.3 Sectoral Trainings on inventory prep., mgt and reporting (by EK)	48
1.2.1 International Obligations (by KvdH)	49
4.3.1 <b>First Meeting of Coordination Committee (CoCom)</b>	50
1.3.2 Analysis of the capacity and preparedness of relevant public authorities to handle emission problems (by HP)	02
1.1.1 Further Drafting of By-law (by MS and AE) and 1.1.2 Assessment of roles and responsibilities of competent authorities of cooperate (by MH)	03
2.1.3 Sectoral Trainings on inventory prep., mgt and reporting (by MP)	04
<b>Joint Steering Committee Meeting,</b> and <b>4.3.1 Second Meeting of CoCom</b>	<b>06</b> <b>Thu 9th FEB 2012</b>

# Quarterly Reporting Periods and joint SC Meetings

## TW+TA joint SC Meetings

as of 17 NOV 2011

TA	TW	Proposal for joint SCMs		
Commencement Date				
15 March 2011	24 April 2011			
+ 20 months	+ 24 months			
End of Quarterly periods		Meeting No.	week	Date
14 June 2011	23 July 2011	1	27	Thu 07 JULY 2011
14. Sep 11	23 Oct 2011	2	46	Thu 17 NOV 2011
14 Dec 2011	23 Jan 2012	3	06	Thu 09 FEB 2012
14 March 2012	23 Apr 2012	4	19	Thu 10 MAY 2012
14 June 2012	23 July 2012	5	31	Thu 02 AUG 2012
14 Sep 2012	23 Oct 2012	6	xx	To be decided
End of Projects				
14 November 2012	23 April 2013			