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# Technical Assistance for Capacity Building on European Pollutant Release and Transfer Register (E-PRTR) in Turkey

TR2013/0327.06-01-02/001

## *Technical Assistance for Capacity Building on European Pollutant Release and Transfer Register (E-PRTR) in Turkey*

### Workshop Event

### Training Needs Analysis



Presenter:  
**Scott Crossett**  
**NIRAS IC**

Date: September 2017





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### Overall Objective

The overall objective of the project of which this contract will be a part is as follows:

To improve the industrial pollution control by enhancing environmental conditions, monitoring and registering industrial pollution in Turkey.

### Project Purpose

The purposes of this contract are as follows:

- Strengthening of the institutional and technical capacity on the implementation of E-PRTR,
- Transposition of the Regulation (EC) No 166/2006 on European Pollutant Release and Transfer Register.



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### Results to be achieved by the Contractor

The expected results to be achieved through implementation of this assignment are as follows:

**Result 1:** National E-PRTR system is established.

**Result 2:** Institutional, individual and technical capacities for Competent Authorities and priority groups are increased.

**Result 3:** Awareness of priority groups and decision makers are raised.



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## Project Team

Based in Golbasi offices of MoEU

Three representatives from the MoEU dedicated to PRTR

Office Manager

Team Leader – Environmental Capacity Building Expert

Legal Expert

RIA Expert

Environmental Monitoring Expert

3 x PRTR Experts – **Ireland**; Spain and Serbia



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### **Activity 2: Institutional capacity strengthening**

**Activity 2.1:** Conducting institutional and technical training needs assessment studies

**Activity 2.2:** Training meetings to discuss on the project topics and E-PRTR Regulation and reporting system with all stakeholders to have the early and effective public participation while designing the E-PRTR System.

**Activity 2.3:** Training on Regulatory Impact Analysis (RIA) methodology and conduction of RIA on the implementing of E-PRTR legislation

**Activity 2.4:** Two study visits (5 days for each) to analyse the institutional and technical requirements of E-PRTR systems which are used in different EU Member States (options of Study Visit Countries: Spain, Germany, France, Netherlands). 10 technical staff from the E-PRTR responsible and related divisions of MoEU and Technical Assistance Team will participate to each study visits.



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**Activity 2.5:** Two technical Staff from the E-PRTR responsible division will be trained to be coordinator trainers on calculation, estimation and measurement methods of E-PRTR through a one month traineeship in a Member State's institution which is responsible for the implementation of E PRTR. The country in which two technical staff will be trained is determined by the MoEU.

**Activity 2.6:** Training of Trainers on E-PRTR Regulation, reporting system and implementations (15 days training for 20 persons (6 technical staff from the E-PRTR responsible division of MoEU, 10 representatives from the industry associations, and 4 representatives from NGOs).

**Activity 2.7:** Training on results of E-PRTR inventory, National E-PRTR System of Turkey and the responsibilities of stakeholders.



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## **Activity 2: Institutional capacity strengthening**

**Activity 2.1:** Conducting institutional and technical training needs  
assessment studies

### **Training Needs Assessment Questionnaire**



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### ***Standardised Questionnaire for the evaluation of the EPRTR situation in Turkey***

*This questionnaire is given out as an evaluation tool for the project “Technical Assistance for Capacity Building on European Pollutant Release and Transfer Register (E-PRTR) in Turkey and co-financed by the European Union and the Republic of Turkey. Please complete this questionnaire by answering all the questions. Your answers are confidential, and will only be used to understand patterns of thinking and acting in your organisation.*

*Thank you!*



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### A. General questions:

1. Name of your Institution/Company or Government Department:

2. Date of completing the questionnaire:

3. Your position in the sector (please tick ✓)

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> Sector Specialist       | <input type="checkbox"/> Monitoring Expert                   | <input type="checkbox"/> Lawyer                       |
| <input type="checkbox"/> Process Engineer        | <input type="checkbox"/> Laboratory Technician               | <input type="checkbox"/> Environmental Manager        |
| <input type="checkbox"/> Installation Manager    | <input type="checkbox"/> Environmental Engineer              | <input type="checkbox"/> Civil Society Representative |
| <input type="checkbox"/> Environmental Inspector | <input type="checkbox"/> Environmental Permit Administrator. |   |



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4. Your gender (please tick ✓)

Female ♀

Male ♂

5. Your age (please tick ✓)

<25  25-34

35-50  >50

6. Duration you are working in your profession (please tick ✓)

<2 years  2-5 years  5-10 years  >10 years



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### Heading 1: EPRTR Legislation

*7 questions*

1. Are you familiar with EPRTR Legislation?
2. Do you know which industry sectors are included in the EPRTR Legislation?
3. Do you know how pollutants are included in the EPRTR Legislation?
4. Do you know which State Institution will manage the EPRTR System in Turkiye?
5. Do you know the reporting requirements for Installations under EPRTR legislation?
6. Do you know which EU organisation receives the reports from EPRTR installations in EU?
7. Do you know the interactions between EPRTR and IPPC legislations?



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### Heading 2: EPRTR Implementation – State Sector

*8 questions*

1. Have you received any information on the implementation of EPRTR?
2. Do you know who will implement the EPRTR system in Turkiye?
3. Do you know who will be responsible for collecting the monitoring data from installations?
4. Do you know in what format data will be received from installations?
5. Do you have experience in verifying emissions monitoring data?
6. Do you know how to verify emissions monitoring data?
7. Do you know how to use EPRTR data?
8. Do you know how to check EPRTR data quality?



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### Heading 3: EPRTR Implementation – Private Sector

#### *7 Questions*

1. Do you understand your obligations under EPRTR regulations?
2. Do you know how frequently you will be required to submit data under EPRTR regulations?
3. Do you have information from the State on EPRTR implications for your sector?
4. Do you know how to present information for EPRTR Reporting?
5. Do you know who will be your main focal point for EPRTR Reporting?
6. Have you received any training in EPRTR implementation or compliance?
7. Do you think EPRTR data may help industrial facilities performance in the sector?



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### Heading 4: EPRTR Data - Public Record

#### *6 Questions*

1. Do you know what EPRTR data will be available on the Public Record?
2. Do you know which data installations can keep confidential and how this can be achieved?
3. Do you know whom to address a request for data from the EPRTR system as a private citizen?
4. Do you know how to request data from the EPRTR system?
5. Have you been given any information on EPRTR and the Publicly available information from the system?
6. Do you have any existing, or past experience, of the EPRTR system and its requirements?



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How do we intend to use the data from the questionnaires?



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### Use of an easy to answer questionnaire to be marked with crosses, Questionnaire

Part A: Anonymous questions about the person  
*Position in the hospital, gender, age, time working in the institution*

Part B: Questions about the personal opinion of the waste  
management situation in the hospital/department  
*4 main sectors, 6 questions each. 24 questions randomly spread*

All departments in Tirana University Hospital Centre – Mother Teresa  
were chosen to participate

80 participants delivered a filled questionnaire

This is a user – not consultant – based evaluation process



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### Evaluation

(Tirana University Hospital Centre – Mother Teresa)

- 294 collected questionnaires
- 87% female, 13% male
- Age structure
  - <25 Years, 26 (9%)
  - 25-34 Years, 89 (31%)
  - 35-50 Years, 120 (42%)
  - >50 Years, 54 (19%)

Position	Number	%
Junior Doctor	22	8%
Doctor	25	9%
Senior Doctor	3	1%
Junior Nurse	23	8%
Nurse	162	55%
Matron	21	7%
Midwife	0	0%
Cleaning	34	12%
Technician	0	0%
Senior Techn.	2	1%
Administrat	1	0%
<b>Total</b>	<b>293</b>	<b>100%</b>



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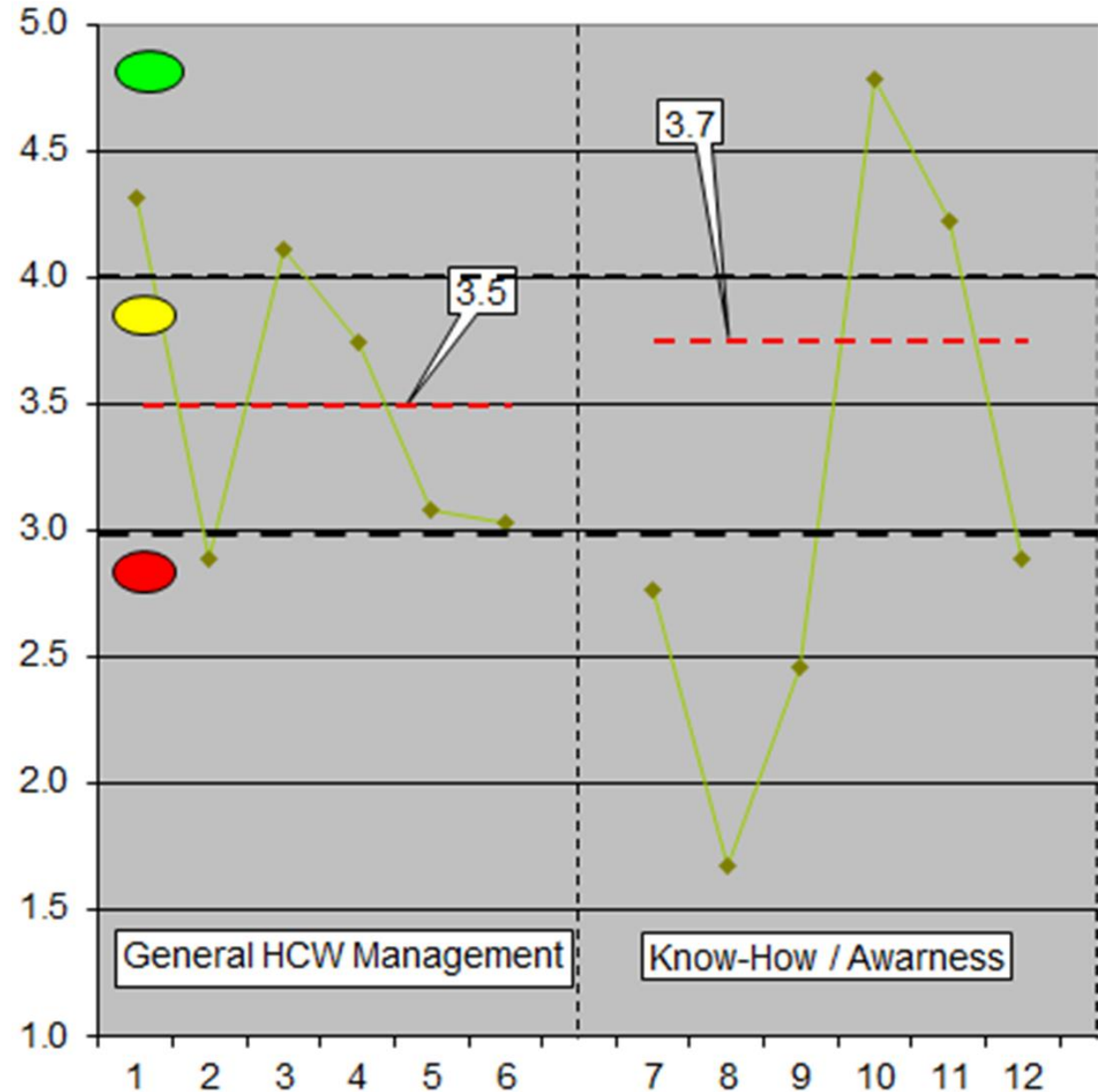
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## General waste management

1. Monitoring of the waste management
2. Responsible person exist and is encouraging to segregate and recycle waste
3. A waste policy is existent
4. Standard Operating Procedures (SOP) are existent
5. Accident report system is set up
6. Record keeping of waste streams

## Know how / awareness

7. Information supply on waste management
8. Continuous training (at least every 2 years)
9. Know-how in case of accident situation
10. Awareness on risk by the staff
11. Awareness on HCW risk by the management
12. General know-how of the staff



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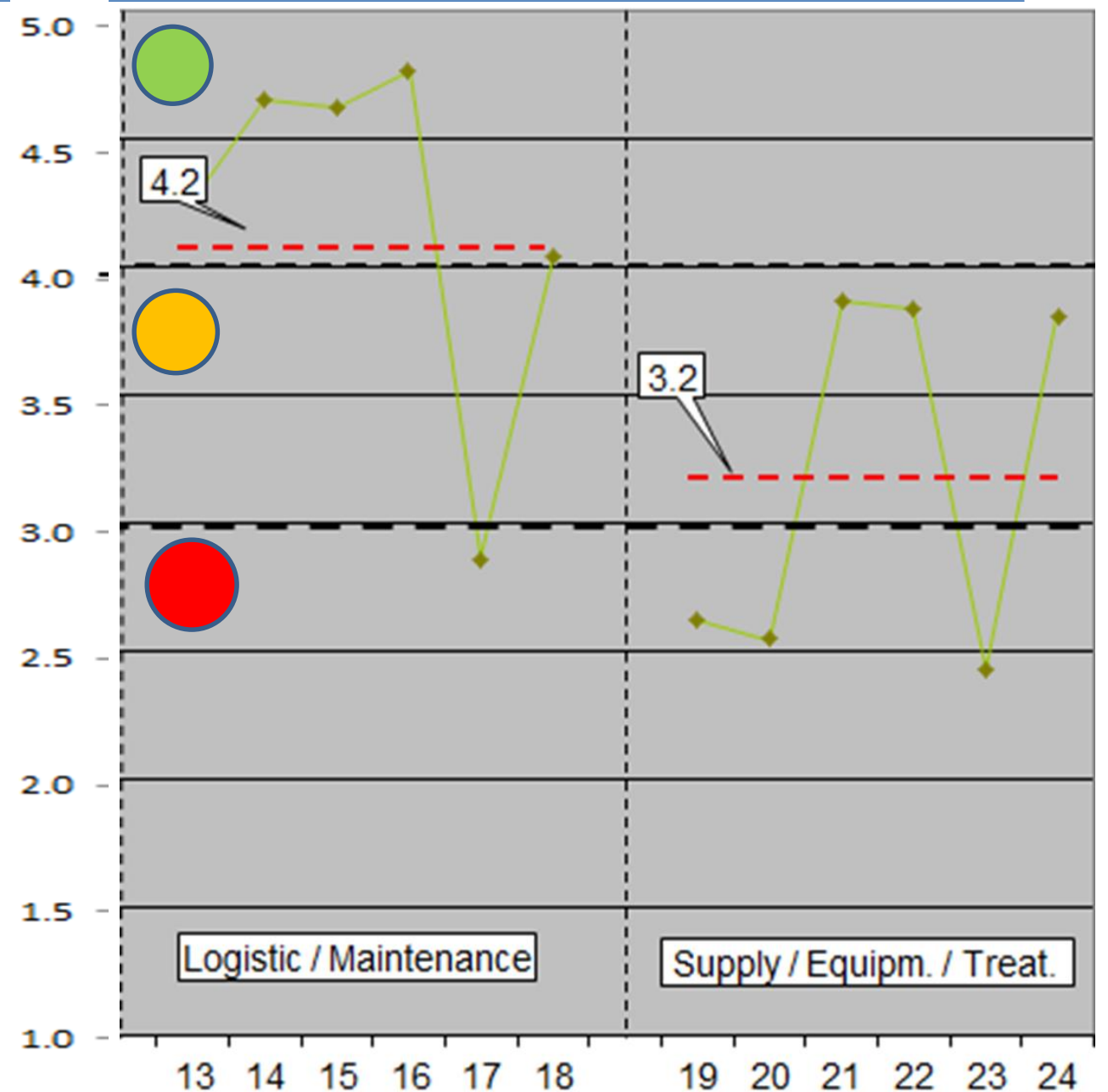
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### Logistic / maintenance

- 13) Usage of color code system
- 14) Separation of the waste
- 15) Separate rooms for dirty and clean materials
- 16) Collection interval of waste (> or = daily)
- 17) Maintenance of waste bins
- 18) Safety of internal waste transportation

### Supply / Equipment / Treatment

- 19) Sufficient supply of color coded bags
- 20) Sufficient supply of sharp containers
- 21) Sufficient supply of waste bins
- 22) Existence of central waste interim storage places
- 23) Correct disposal of liquid chemicals
- 24) Environmental friendly treatment of infectious waste



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### Results:

Capacity Building Programme developed in regard to weak points in analysis:

- Waste Manager
- Waste Management Records
- Liquid Waste Management
- Equipment Supply
- Maintenance of Equipment
- Accident Reporting
- Health & Safety
- Staff Training and Awareness



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