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European Union and the Republic of
Turkey*

SUPPORTING THE IMPLEMENTATION OF BY-LAW ON
STRATEGIC ENVIRONMENTAL ASSESSMENT

Contract N° TR2018 ESOP MI A3 12/CNP/03

***SEA Pilot Project for Nitrate Action Plan for
Northern Aegean Basin***

***MISSION REPORT
-FINAL-***

MARCH 2020

This report was produced with the financial support of the European Union and the Republic of Turkey. Its contents are the sole responsibility of Eptisa Mühendislik. It does not necessarily reflect the views of the Republic of Turkey and European Union.

DOCUMENT CONTROL SHEET

Contracting Authority	Ministry of Environment and Urbanization, General Directorate of European Union and Foreign Relations
Beneficiary	Ministry of Environment and Urbanization, Directorate of EIA, Permit and Inspection
Project	Supporting the Implementation of By law on Strategic Environmental Assessment (SEA)
EuropeAid No	TR2018 ESOP MI A3 12/CNP/03
Title	Mission Report
Submission	04.03.2020- Draft 17.03.2020- Final
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TABLE OF ABBREVIATIONS

EU	European Union
MoAF	Ministry of Agriculture and Forestry
MoEU	Ministry of Environment and Urbanization
MoM	Minutes of Meeting
NIBIS	Nitrate Information System
NAP	Nitrate Action Plan
SEA	Strategic Environmental Assessment
ToR	Terms of Reference

ABOUT THE PROJECT

Strategic environmental assessment (SEA) is internationally recognized as the key instrument for integrating environmental and health concerns into strategic planning and decision-making to prevent and mitigate possible adverse effects of the economic and regional development. Turkey introduced SEA in its national legal framework by adopting the By-law on SEA, which entered into force in 8 April 2017, and which almost fully transposes requirements of the European Union's (EU) SEA Directive. In accordance with the By-law on SEA, the SEA should be applied for the plans and programmes with regard to agriculture, coastal management, forestry, fishery, energy, industry, transport, waste management, water management, telecommunications, tourism, land use planning and the plans and programs.

Pursuant of the SEA By-law provisions, the Ministry of Environment and Urbanization (MoEU) identified the Nitrate Action Plan (NAP) of Northern Aegean Basin as a Plan (strategic document) for which the SEA shall be applied (screening decision was taken on 28/03/2019). And, the NAP for Northern Aegean Basin is one of the plans undergoing the SEA process.

Authorized body for the preparation of NAPs is the Ministry of Agriculture and Forestry (MoAF), and the NAP of Northern Aegean Basin shall be prepared by a consultant (TUBITAK-MAM) that shall work on behalf of MoAF. In a parallel process, the SEA will be conducted under the lead and supervision of the MoEU by the SEA Contractor (EPTISA & Integra). This SEA process for NAP of Northern Aegean Basin is supported by the project "Supporting the Implementation of By-law on Strategic Environmental Assessment", funded by EU and implemented by MoEU and its Contractor.

1. INTRODUCTION

1.1 NATURE OF THE DOCUMENT AND OBJECTIVES

The purpose of this report is to document the outputs of "Activity 1.4.1 Performing Scoping Meetings" and "Activity 1.4.3 Performing Site Visits", which are included in the project's Terms of Reference (ToR) and have been successfully completed.

The merger of these two activities to be carried out for the pilot sector of the NAP for Northern Aegean Basin was decided by the joint decision of the parties. A meeting was held between the MoEU, MoAF and the Contractor on 05.02.2020 to plan these two activities (see Annex I for the Minutes of Meeting (MoM)). According to the decisions taken at this meeting, "Activity 1.4.1 Performing Scoping Meeting" was held in İzmir province on 25.02.2020 and "Activity 1.4.3 Performing Site Visit" was held on 26 / 27.02.2020 as follows;

- Going to and accommodation in Edremit after the scoping meeting on 25th of February
- Going to Burhaniye and return to Edremit on 26th of February
- Return to İzmir (stop by Bergama on the road) on 27th of February
- Return to Ankara on 27th of February

In addition, it was decided that 3 representatives from MoEU and 4 representatives from MoAF to attend the meeting. The activities were successfully completed with a total of 10 people with the participation of 3 people from the team of Contractor. The participant list is given below.

Table 1: The Participant List

No	Name / Surname	Title	Institution/Company
1	Yusuf Gürbüz	Supervisor	MoAF- Gen. Direc. Agricultural Reform
2	Orhan Sezgin	Expert	MoAF- Gen. Direc. Agricultural Reform
3	Pınar Hışır	Engineer	MoAF- Gen. Direc. Agricultural Reform

No	Name / Surname	Title	Institution/Company
4	Kadir Kirbař ¹	Engineer	MoAF- Gen. Direc. Agricultural Reform
5	Nihan řahin Hamamcı	Branch Manager	MoEU- Directorate of EIA
6	Hakan Acar	Expert	MoEU- Directorate of EIA
7	Özge Erdem	Expert	MoEU- Directorate of EIA
8	Michal Musil	SEA Expert	Integra (Consultant Team)
9	Gonca Kaynak	SEA Local Expert	Eptisa (Consultant Team)
10	Münever Doęan	Environmental Engineer	Eptisa (Consultant Team)

1.2 EXECUTION OF THE MISSION

1.2.1 Activity 1.4.1 Performing Scoping Meetings

A scoping meeting was held at Ramada Wyndham Hotel Venue in İzmir on 25.02.2020 to present the Scoping Report prepared for the NAP of Northern Aegean Basin to stakeholders and to receive comments. The meeting, which was held with the participation of the total of 33 people, started with the presentation of MoAF to give information about nitrate pollution and health problems; legislation and policy documents, studies for nitrate pollution (from agriculture) management; nitrate vulnerable zones and NAPs to stakeholders. Afterwards, MoEU made a presentation to the stakeholders to explain what the principles of the SEA, the SEA Regulation, the scope of the project, and its activities.

Later, the meeting continued with the presentation of the Contractor team. The Contractor team made a presentation to the stakeholders to explain the work done under the project so far and introduced the SEA Scoping Report prepared for NAP. The presentation was followed by the discussion where participants shared their opinions on importance of the addressing the nitrate pollution and showed interest in proposed NAP measures. In conclusion of the meeting, the Contractor asked the stakeholders to provide comments to the Scoping within 15 days after the Turkish version of the scoping report for NAP is delivered and questions of the stakeholders. (For details see the Minutes of the Scoping meeting in Annex)



Figure 1: A photo from Scoping Meeting

¹ In line with the ToR, the Contractor shall be responsible for all accommodation costs of 6 participants. Therefore, Kadir Kirbař's expenses were covered by him.

1.2.2 Activity 1.4.3 Performing Site Visit

According to the ToR, "Site visits, the procedural steps of SEA will be executed for two determined planning processes. At least 2 site-visits (one following the scoping meeting in the area and one following the consultation meeting in the area) for each SEA process for 2 days with 6 participants will be held in order to see the planning area."

In this context, the site visit for the SEA process of NAP following the scoping meeting was held between 26 and 27 February 2020 with the participation of 10 people in Balıkesir and İzmir. The agenda of the site visit is as follows:

26.02.2020 Wednesday

- Meeting with Burhaniye District Directorate of Agriculture and Forestry
- Visit to Yaprak Dairy Plant (Burhaniye)
- Visit to Mast Animal Husbandry Enterprise (Burhaniye)
- Meeting with the Mukhtar of Çoruk Village
- Meeting with Havran District Directorate of Agriculture and Forestry
- Visit to Animal Husbandry Enterprise in Havran
- Visit to Ege Olive Cultivation Enterprise (Havran)

27.02.2020 Thursday

- Meeting with Bergama District Directorate of Agriculture and Forestry
- Visit to Süt Kardeşler Dairy Plant (Bergama)
- Meeting with the Mukhtar of Aşağıkırıklar Village
- Visit to Akarsüt Dairy Plant

2. SITE VISIT OBSERVATIONS

In this chapter, the Contractor provides a general information about the places visited.as well as summary of findings from the site visits.

2.1 Burhaniye District Directorate of Agriculture and Forestry

The meeting started with giving information about NAP, Code of Good Agricultural Practices and SEA pilot project by MoAF. Afterwards, mission participants asked questions to understand the agricultural pattern of the district including livestock breeding, to learn the possible sources that may cause nitrate pollution and to understand the environmental problems of the district and trends in agriculture specifically the no of live stocks etc.



Figure 2: Burhaniye District Directorate of Agriculture and Forestry

In line with the interviews made with Burhaniye District Directorate of Agriculture and Forestry, it was noted that there are 2 large enterprises in Burhaniye and olive cultivation takes up approximately 75 percent of the total area (while the total area is 23,000 ha, olive cultivation area is 17,000 ha). In areas where olives are not cultivated, greenhouse cultivation is done according to the season. In these areas, there is one large enterprise which produces tomatoes. In addition, Burhaniye District Directorate of Agriculture and Forestry has a laboratory that measures organic matter and has requested the MoAF for a new device capable of precise nitrogen measurement.

It is stated by the Director of Agriculture and Forestry that local people started to focus on more livestock business and classic farming starts to be replaced by organic farming due to mechanization in agriculture and thus the costs increase. It is known that especially with the increase of animal husbandry and livestock activities, nitrate pollution increases. As a result of the interviews, it was seen that the importance of soil analysis was clearly known and that Burhaniye District Directorate of Agriculture and Forestry tried to explain it to the citizens.

On other environmental issues, an odour problem especially in hot weather and the groundwater pollution through infiltration, were mentioned as important in the local context.

2.2 Yaprak Dairy Plant

During the introduction, the representatives of MoAF explained the reason of the visit and information was given about the project and specifically for NAP. Later, general information about the plant was obtained by the general manager of the plant and the facility was visited.

The average daily milk yield per animal of the Yaprak Dairy Plant is 35 kg and the average cow lactation milk yield is 10,500 kg. The first goal of the company in the short term is to increase the average daily milk yield to 40 kg in line with European and American standards and to reach the average milk lactation yield to 13,000 kg.



Figure 3: Yaprak Dairy Plant

During the plant visit, it was observed that animal manure was collected thanks to the chain scrapers inside the barns and then collected in a common pool. It was stated by the authorities that the animal manure collected and the process of which was completed were used in the process of making feed for animals. The plant authorities also underlined that the use of chemical fertilizers has been reduced to a minimum.



Figure 4: Common pool where animal manures are collected

MoAF informed that there is a grant support available and they can take back 50% of their expenditures in the operations they will make in order to make their plant in compliance with the code of good agricultural practices, especially to the establishment of suitable animal manure storage areas.

2.3 Mast Animal Husbandry Enterprise

After visiting the Yaprak Dairy Plant, Mast Animal Husbandry Enterprise was visited. Again, after the explaining the reason for being there, information was given about the project by MoAF. Later, general information about the plant was obtained and a tour of the plant took place.



Figure 5: Mast Animal Husbandry Enterprise

After learning about the plant's animal manure process, MoAF again stated that there is a grant support and they can take back 50% of their expenditures in the operations they will make in order to make their plant in compliance with the code of good agricultural practices, especially to the establishment of suitable animal manure storage areas. The difference between modern and conventional style of husbandry enterprises were discussed between the NAP and SEA teams.

2.4 Meeting with the Mukhtar of Çoruk Village

The meeting started with giving information about NAP, Code of Good Agricultural Practices and SEA pilot project by MoAF. Afterwards, questions were asked to understand the agricultural pattern of the village, to learn the possible sources that may cause nitrate pollution and to understand the environmental problems of the village.

As a result of the meetings with the mukhtar of Çoruk village, the following information was obtained;

- There are 6-7 medium-sized businesses near the village;
- The population of the village is 300-400 people;
- Looking at the agricultural products in the village, it is seen that the most dominant product is corn;
- There is no storage area for the animal manure in the village. Animal manure is mixed immediately.



Figure 6: A photo from Çoruk village meeting

After receiving information about the village, MoAF provided information on grant support, especially with regard to storage areas and the use of organic fertilizers. MoAF also underlined that fertilizers should be mixed with soil within 24 hours in the absence of the storage area. It was also emphasized that although it seems efficient, the amount of organic matter in the soil is very small and therefore correct fertilizer use is important.

In terms of environmental problems, no complaints were highlighted except for the fly, odour and the salinity in the water. It was discussed that there is NIBIS system managed by MoAF and the necessary data shall be given to Contractor to identify the quality of water. The salinity of water is most likely due to salt intrusion from sea and not related with any agricultural activity.

2.5 Havran District Directorate of Agriculture and Forestry

The meeting started with giving information about NAP, Code of Good Agricultural Practices and SEA pilot project by MoAF. Afterwards, questions were asked to understand the agricultural pattern of the district, to learn the possible sources that may cause nitrate pollution and to understand the environmental problems of the district.



Figure 7: Havran District Directorate of Agriculture and Forestry

In line with the interviews made with Havran District Directorate of Agriculture and Forestry, it was learned that, like other places in the region, olive cultivation was high in this district.

It was also stated that olive oil blackwater is disposed by evaporation. Since the location of the facilities is scattered, no common treatment can be made.

2.6 Animal Husbandry Enterprise in Havran

Representatives of MoAF explained the reason of visit and information was given about the project and specifically for NAP. Later, general information about the plant was obtained by the responsible staff of the plant and the facility was visited.



Figure 8: Animal Husbandry Enterprise in Havran

MoAF also gave information about the grant support especially with regard to storage areas and the use of organic fertilizers to this facility, which is located in a smaller area and have a smaller number of animals compared to other enterprises.

2.7 Ege Olive Cultivation Enterprise (Havran)

After the explaining the reason for being there, information was given about the project by MoAF. Later, general information about the plant was obtained and facilities was visited.

Olive oil is produced in this factory, which has a closed area of 2,000 square meters on 17 decares of land.

After learning about the enterprise's process, MoAF stated that there is a grant support and they can take back 50% of their expenditures in the operations they will make in order to make their enterprise in compliance with the code of good agricultural practices. Afterwards, it was noted that the Code of Good Agricultural Practices has already been followed in this enterprise.



Figure 9: Code of Good Agricultural Practices in Ege Olive Cultivation Enterprise



Figure 10: Ege Olive Cultivation Enterprise

2.8 Bergama District Directorate of Agriculture and Forestry

The meeting started with the information provided by MoAF. The importance of storage and use of suitable animal manure was explained by mentioning the Code of Good Agricultural Practices. The questions asked by the authorized person about nitrate pollution were also answered by MoAF.

The Contractor team asked if any complaints about the water quality arising from the use of animal manure. Also, the issue of odour was examined. According to the response of the authorized person, it was understood that there were no complaints for either issue.

Figure 11: Bergama District Directorate of Agriculture and Forestry

In Bergama Directorate, there is an inventory of animals prepared by years. According to the information received from this inventory, there are a total of 66,000 cattle, 160,000 ovine and 1.800.000 poultry in Bergama district. The number of animals has an increasing trend. There are also 4,920 cattle enterprises. It is stated by the authorized person that a maximum of 500 of them are large enterprises. In addition, there are 3,626 ovine enterprises.

2.9 Süt Kardeşler Dairy Plant

At Süt Kardeşler Dairy Plant, the reason for being there was explained and information was given about the project by MoAF. Later, general information about the plant was obtained by the general manager of the plant and the facility was visited.

There are 3,000 animals in the facility, which has 1,400 animals that give milk. The plant produces 38 litres of milk per animal per day.



Figure 12: Süt Kardeşler Dairy Plant

The animal manure collected by the chain scraper systems in cowsheds is transferred to the collection ponds. There is a total of 4 collection pools in 8 cowsheds. Here, loading is made to the main pool by the pump. In the main pool, animal manure is mixed with continuous mixers. Then, it is sent to the 38-cubic meter washing drum. In this drum, manure is squeezed strongly and the resulting water is transferred to a separate pool. The remaining fiber-textured animal manure is disinfected from microbes at 70 degrees for 25 hours. The material free from pathogens and microbes is used as a bed for animals. Thus, a large amount of recycling is achieved. While 25% of the total animal manure formed is consequently a bedding material for animals, the remaining 75% is taken with vacuum trucks and used as organic matter in agriculture. For this method of use, agricultural engineers in the plant first determine the needs of the soil by doing soil analysis.



Figure 13: Animal Manure Process of Süt Kardeşler Dairy Plant

In cases where there is excess animal manure other than these uses, the animal manure is either sold or processed by the facility to make organic fertilizers.

2.10 Meeting with the Mukhtar of Aşağıkırıklar Village

The meeting started with giving information about NAP, Code of Good Agricultural Practices and SEA pilot project by MoAF. Afterwards, questions were asked to understand the agricultural pattern of the village, to learn the possible sources that may cause nitrate pollution and to understand the environmental problems of the village.

After the meetings with the Mukhtar, it was learned that there were odour complaints especially in hot weather. After the short meeting, Ovacık Mardal Creek was visited together with the mukhtar for on-site inspection and it was observed that animal manure was discharged on the site, most likely in conflict with proper manure management rules. The mukhtar alleged that steps to report the incident to the relevant authority was taken, but with no response so far.



Figure 14: Ovacık Mardal Creek

2.11 Akarsüt Dairy Plant

Akarsüt Dairy Facilities were visited as the last stop of the site visit. After the introduction of the purpose of the mission, information was given about the project by MoAF. Later, general information about the plant was obtained by the responsible staff of the plant and the facility was visited.

There is a total of 475 animals in the plant.



Figure 15: Akarsüt Dairy Plant

After learning about the plant's process, MoAF stated that there is a grant support and they can take back 50% of their expenditures in the operations they will make in order to make their plant in compliance with the code of good agricultural practices. Site visit was completed with this facility.

3. ANNEXES

ANNEXES	
ANNEX I:	MINUTES OF PILOT SECTOR MEETING No: 5
ANNEX II:	MINUTES OF SCOPING MEETING for NAP No:1



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Supporting the Implementation of By law on Strategic Environmental Assessment (SEA)

TR2018 ESOP MI A3 12/CNP/03

MINUTES OF PILOT SECTOR MEETING No: 5	
Contract Title:	: Supporting the Implementation of By law on Strategic Environmental Assessment (SEA)
Contract No / Type:	: TR2018 ESOP MI A3 12/CNP/03
Contracting Authority	: Ministry of Environment and Urbanization (MoEU)
Consultant	: Eptisa Mühendislik Ltd. Şti. (Turkey) in consortium with Integra Consulting S.r.o. (Czechia)
Subject of Meeting:	: Planning of Activity 1.4.1 and Activity 1.4.3
Date/Time:	: 05.02.2020 – 10:30 -11:40
Venue:	: MoAF- General Directorate of Agricultural Reform
Participants	: Attendance Sheet is enclosed
Annexes	: I- Attendance Sheet (2 pages) II- Photos of Minutes of Pilot Sector Meeting No: 5 (1 page)

Note: "These Minutes are record of events including actions and recommendations. Acceptance is assumed unless Consultant is informed."



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Supporting the Implementation of By law on Strategic Environmental Assessment (SEA)

TR2018 ESOP MI A3 12/CNP/03

No	ATTENDEES NAME	TITLE	INSTITUTION/COMPANY
1	Yusuf Gürbüz	Supervisor	MoAF- Gen. Direc. Agricultural Reform
2	Orhan Sezgin	Expert	MoAF- Gen. Direc. Agricultural Reform
3	Pınar Hışır	Engineer	MoAF- Gen. Direc. Agricultural Reform
4	Kadir Kırbaş	Engineer	MoAF- Gen. Direc. Agricultural Reform
5	Öykü Yıldırım	Engineer	MoAF- Gen. Direc. Agricultural Reform
6	İpek Özenç	Engineer	MoAF- Gen. Direc. Agricultural Reform
7	Nihan Şahin Hamamcı	Branch Manager	MoEU- Directorate of EIA
8	Aysun Boşça	Expert	MoEU- Directorate of EIA
9	Özge Erdem	Expert	MoEU- Directorate of EIA
10	Gonca Kaynak	SEA Local Expert	Eptisa
11	Münevver Doğan	Environmental Engineer	Eptisa



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TR2018 ESOP MI A3 12/CNP/03

Agenda Item No	DESCRIPTION	ACTION BY	STATUS
1.0	Determination of Activity 1.4.1 and 1.4.3		
1.1	The meeting was organized in order to plan the works related with Activity 1.4.1 and Activity 1.4.3.	-	-
1.2	First of all, the parties talked about the ranking of the scoping meeting and site visit. MoEU stated that there should be a meeting first and then the site visits. After the discussions, it was decided to have the scoping meeting (1.4.1) first, then two days of site visits (1.4.3) shall be conducted.	-	-
1.2.1	Afterwards, location of meeting place was discussed. It was discussed that the most important criterion is easy transportation to the meeting place. For this reason, it was decided to hold the meeting in İzmir centre between 14:00-17:00 on February, 25.	-	-
1.2.2	In order to avoid any delay, it was decided that the MoEU, MoAF and Contractor team will go to İzmir on 24 February 2020 and stay there.	-	-
1.2.3	Arrangement of the meeting room of the hotel where the accommodation will be held for the meeting was discussed. A minimum capacity of 50 people was requested for the meeting hall by the MoEU. The Contractor stated that this issue should be confirmed as 30 people is indicated in ToR.	-	-
1.2.4	In addition, presentations to stakeholders during the meeting were discussed. Firstly, after a general presentation where the SEA is explained, the Contractor and MoAF will make a presentation.	-	-
1.2.5	Afterwards, it was discussed who will be invited to the meeting. The Contractor will forward a list with possible participant profile to the MoEU at least 10 days before the meeting with the agenda of the mission.	Contractor	At least 10 days before the meeting
1.3	Then, places to go for site visit were discussed. As a result, the following proposal was discussed; <ul style="list-style-type: none">• Going to and accommodation in Edremit after the meeting on 25th of February• Going to Burhaniye and return to Edremit on 26th of February• Return to İzmir (stop by Bergama or Kınık on the road) on 27th of February• Return to Ankara on 27th of February	-	-
	However, no final decision was made for these places, exact locations shall be determined in forthcoming days.	MoAF	11.02.2020
1.4	It was also discussed that there will total 6 participants from MoEU and MoAF in accordance with the ToR and the distribution could be done in the form of 3 people for each.	-	-
1.4.1	MoAF will send the list of participations' names on February 6 for flight ticket transactions.	MoAF	6.02.2020
1.4.2	MoEU will send the letter for the 3 participants next week.	MoEU	10.02.2020



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Agenda Item No	DESCRIPTION	ACTION BY	STATUS
1.5	The Contractor highlighted the importance of early reaction of MoAF and MoEU teams for arrangement of a proper mission.	-	-
2.0	Status of NAP of Northern Aegean Basin		
2.1	The Contractor noted that there is an updated version of NAP of Northern Aegean Basin, however, there are still some missing maps etc. Moreover the main comments shall be expected to be received from the local parties. Hence, if possible, revision of the scoping report shall be done once, when the site meeting shall be done, this was agreed by MoAF and MoEU.	-	-



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ANNEX – I: Attendance Sheet



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ANNEX – II: Photos of Minutes of Pilot Sector Meeting No: 5



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MINUTES OF SCOPING MEETING for NAP No:1	
Contract Title:	: Supporting the Implementation of By law on Strategic Environmental Assessment (SEA)
Contract No / Type:	: TR2018 ESOP MI A3 12/CNP/03
Contracting Authority	: Ministry of Environment and Urbanization (MoEU)
Consultant	: Eptisa Mühendislik Ltd. Şti. (Turkey) in consortium with Integra Consulting S.r.o. (Czechia)
Subject of Meeting:	: Activity 1.4.1 Performing Scoping Meeting for Nitrate Action Plan (NAP) for Northern Aegean Basin
Date/Time:	: 25.02.2020 / 14:00 – 17:00
Venue:	: İzmir Ramada Wyndham Hotel Venue
Participants	: Attendance Sheet is enclosed
Annexes	: I- Attendance Sheet (3 pages) II- Photos of MINUTES OF SCOPING MEETING for NAP No:1 (2 pages) III- Technical Presentations (of three parties)

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TR2018 ESOP MI A3 12/CNP/03

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1	Yusuf Gürbüz	Supervisor	MoAF- Gen. Direc. Agricultural Reform
2	Orhan Sezgin	Expert	MoAF- Gen. Direc. Agricultural Reform
3	Pınar Hışır	Engineer	MoAF- Gen. Direc. Agricultural Reform
4	Kadir Kırbuş	Engineer	MoAF- Gen. Direc. Agricultural Reform
5	Nihan Şahin Hamamcı	Branch Manager	MoEU- Directorate of EIA
6	Özge Erdem	Expert	MoEU- Directorate of EIA
7	Hakan Acar	Expert	MoEU- Directorate of EIA
8	Michal Musil	SEA Expert	Integra Consulting
9	Gonca Kaynak	SEA Local Expert	Eptisa
10	Münevver Doğan	Environmental Engineer	Eptisa
11	Ömer Bolat	Provincial Director	Çanakkale Provincial Directorate of Environmental and Urbanization
12	Funda Yalın	Environmental Engineer	Çanakkale Provincial Directorate of Environmental and Urbanization
13	Mahir Keskin	-	TEMA
14	Hakan Koparan	-	Çanakkale Provincial Directorate of Agriculture and Forestry
15	İbrahim Kırayı	-	Çanakkale Provincial Directorate of Agriculture and Forestry
16	Elvin Kaya Yardımcı	Geological Engineer	İzmir Provincial Directorate of Agriculture and Forestry
17	Müjgan Duman	Agricultural Engineer MSc.	İzmir Provincial Directorate of Agriculture and Forestry
18	Metin Polat	-	Manisa Provincial Directorate of Agriculture and Forestry
19	Osman Sarı	Engineer	Manisa Provincial Directorate of Agriculture and Forestry
20	Neşet Akgün	-	Manisa Provincial Directorate of Agriculture and Forestry
21	Yusuf Kurucu	Prof. Dr.	Ege University
22	Emine Bulduk	Agricultural Engineer MSc.	İzmir Provincial Directorate of Agriculture and Forestry
23	Lütfi Baykal	Branch Manager Deputy	Balıkesir Provincial Directorate of Agriculture and Forestry
24	Arif Başyigit	Environmental Engineer	Balıkesir Provincial Directorate of Agriculture and Forestry
25	Sabiha Aslan	Environmental Engineer	İzmir Provincial Directorate of Agriculture and Forestry
26	Şeyda Kabadayı	Chemical Engineer MSc.	Manisa Provincial Directorate of Environmental and Urbanization
27	Suzan Atlı	Agricultural Engineer	Manisa Ketbir
28	Erdi Kayahan	Agricultural Engineer	Manisa Sütbir
29	Hüsnü Yardımcı	Head	Karşıyaka Sosyal Sorumluluk ve Bilim Derneği
30	Devrim Kılıç	Biologist	İzmir Provincial Directorate of Environmental and Urbanization
31	Hayriye Venedik	Branch Manager Deputy	İzmir Provincial Directorate of Environmental and Urbanization
32	Özcan Gökoğlu	Provincial Representative	TEMA
33	Demet Aykut	Environmental Engineer	Manisa Provincial Directorate of Environmental and Urbanization



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Agenda Item No	DESCRIPTION	ACTION BY	STATUS
1.0	Presentation of MoAF		
1.1	The meeting started with the presentation of MoAF to give information about nitrate pollution and health problems; legislation and policy documents, studies for nitrate pollution (from agriculture) management; nitrate vulnerable zones and NAPs to stakeholders. Pilot project for SEA was also mentioned to inform the local stakeholders.	-	-
1.2	Afterwards, MoAF answered the questions of stakeholders before moving on to the other presentation.	-	-
1.2.1	Çanakkale Provincial Directorate of Environmental and Urbanization pointed out the meaning of the concepts of animal waste and animal fertilizers and stated that these concepts should be clarified and difficulties were experienced in the field. MoAF stated in this regard that if animal fertilizer is not used in accordance with the Code of Good Agricultural Practices, it is waste.	-	-
1.2.2	In addition, it was discussed that livestock breeding facilities' places should be compatible with Territorial Development Plans. It was stated by the Çanakkale Provincial Directorate of Environmental and Urbanization that citizens think that they have the right to do what they want on their land and therefore, citizens should be informed about this issue.	-	-
1.2.3	TEMA has offered proposal to encourage the production of energy from methane gas. In response to this, MoAF stated that 50% grant support was provided in case of using animal fertilizer as an energy source.	-	-
2.0	Presentation of MoEU		
2.1	MoEU made a presentation to the stakeholders to explain what the Strategic Environmental Assessment (SEA) is, the SEA Regulation, the scope of the project, the activities, etc.	-	-
3.0	Presentation of the Contractor team		
3.1	The Contractor team made a presentation to the stakeholders to explain the work done under the project so far and the SEA Scoping Report prepared for NAP.		
3.2	After the Turkish version of the scoping report for NAP will be delivered to the stakeholders, the Contractor informed that to receive the comments and questions of the stakeholders, local stakeholders shall have 15 days. After receiving the comments, final version of scoping report shall be submitted.	Stakeholders	15 days after Turkish version of report arrived
4.0	Other issues		
4.1	MoAF's Consultant (Prof. Dr. Yusuf Kurucu from Ege University) underlined that the strategic values of the environment should be mapped while preparing the SEA regulation and stated the importance of the existence of the sensitivity map.	-	-
4.2	The MoAF's Consultant suggested to explore the possibility to	Contractor	Upon



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Agenda Item No	DESCRIPTION	ACTION BY	STATUS
	use synthesis maps such as cultivated agricultural land map, total agricultural land map, special product land map, etc. in the SEA analysis since these maps are available in MoAF. MoAF will forward these maps to MoEU and MoEU to the Contractor.		receiving the necessary data
4.3	It was discussed that the effects of climate change on soil and water should be studied in more detail. Decreasing precipitation will bring 2 main factors: Washing the existing salt in the soil will decrease and the unwashed salt will remain as the remaining salt. In addition, irrigation water will decrease and its quality will deteriorate. Thus, the diversity of agricultural products will change and the trend towards animal husbandry will increase.	-	-



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ANNEX – I: Attendance Sheet



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ATTENDANCE SHEET

Name of Meeting: SCOPING MEETING FOR NAP /NEP KAPSAM BELİRLEME TOPLANTISI					Date: 25.02.2020	Page: 1
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ANNEX – II: Photos of MINUTES OF SCOPING MEETING for NAP No:1



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