

**Standard Summary Project Fiche – IPA decentralised National programmes**  
**(maximum 12/15 pages without the annexes)**

**1. Basic information**

- 1.1 CRIS Number: TR2010/0327.01
- 1.2 Title: Alignment in bathing water monitoring
- 1.3 ELARG Statistical code: 27 –Environment
- 1.4 Location: Turkey

**Implementing arrangements:**

- 1.5 Implementing Agency:

The CFCU will be Implementing Agency and will be responsible for all procedural aspects of the tendering process, contracting matters and financial management, including payment of project activities. The director of the CFCU will act as Programme Authorizing Officer (PAO) of the project. The contact details of CFCU Director are given below:

Mr. Muhsin ALTUN (PAO-CFCU Director)  
Central Finance and Contracts Unit  
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Söğütözü/Ankara TÜRKİYE

- 1.6 Beneficiary (including details of SPO to be designated in line with the article 75 (3) of IPA Implementing Regulation):

The Ministry of Health of Turkey, General Directorate of Primary Health Care  
Mr. Tacettin KAKILLIOĞLU, Department Head  
Ministry of Health of Turkey, General Directorate of Primary Health Care,  
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**Financing:**

- 1.7 Overall cost (VAT excluded)<sup>1</sup>: €1,500,000
- 1.8 EU contribution: €1,425,000
- 1.9 Final date for contracting: 2 years after the signature of the Financing Agreement
- 1.10 Final date for execution of contracts: 2 years following end date for contracting.

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<sup>1</sup> The total cost of the project should be net of VAT and/or other taxes. Should this not be the case, the amount of VAT and the reasons why it should be considered eligible should be clearly indicated (see Section 7.6)

1.11 Final date for disbursements: 3 years following the end date for contracting.

## **2. Overall Objective and Project Purpose**

### 2.1 Overall Objective:

The overall objectives of the project are to contribute to the reduction of public health risks and to ensure coordination, cooperation and data sharing between institutions and organisations in bathing waters

### 2.2 Project purpose:

Transposition of the new bathing water Directive 2006/7/EC into the Turkish national legislation and strengthening the bathing water quality monitoring system of Ministry of Health within the framework of the new Directive

### 2.3 Link with AP/NPAA / EP/ SAA

The AP 2008 sets out the principles, short term and medium term priorities. Under the environment chapter; In the short term: "continue transposition, implementation and enforcement of the acquis", in particular horizontal and framework legislation, such as the environmental impact assessment, including strengthening of administrative capacity. In the medium term: Continue to transpose and implement the acquis related to the framework legislation, legislation on nature protection, "water quality", chemicals, industrial pollution and risk management and waste management.

### 2.4 Link with MIPD

In MIPD 2009-2011, under "Transposition and implementation of the acquis communautaire notably in priority areas with voluminous legislative alignment and high investments needs": transposition of legislation on [...] "water quality"... is stated as a priority. The "water quality – bathing water quality" heading is given as the potential project to be proposed for 2010 under the environment priority for MoH.

### 2.5 Link with National Development Plan (where applicable)

The Ninth National Development Plan 2007-2013 refers to water sector

### 2.6 Link with national/ sectoral investment plans(where applicable)

N/A

## **3. Description of project**

### 3.1 Background and justification:

The first Council Directive concerning the quality of bathing water 76/160/ EEC has been transposed to the Turkish Legislation by the Ministry of Environment and Forestry by the By-Law on Bathing Water Quality, which was published in the Official Gazette No. 260489, dated February 2006. The Provisional Article 1 of the By-Law on Bathing Water Quality defines a 10-year transition period to meet the

guide values that are determined for total coliform and fecal coliform with regard to the microbiological parameters pertaining to bathing waters.

The By Law on Bathing Water Quality defines the competent authorities that are responsible for monitoring and inspection of bathing waters, preparing permits for discharges to these waters, and preventing pollution in those areas. Monitoring activities in bathing and recreational waters are carried out by the Ministry of Health. However, the Ministry of Environment and Forestry has the right to perform monitoring activities in those waters if required. In lake and sea coasts that are conventionally used by a large number of bathers in the bathing season, the Provincial Health Directorates of the Ministry of Health are carrying out microbiological monitoring studies at sampling points that are determined by the Commission established in accordance with the By-Law on Bathing Water Quality. The Provincial Health Directorates of the Ministry of Health also determine the bathing water sampling schedules for bathing season before the season. The Ministry of Health sends the results of the monitoring activities to the Ministry of Environment and Forestry. When the bathing and recreational water monitoring results reveal that there are deviations from the parameter values, the Ministry of Environment and Forestry is doing the necessary inspections to prevent pollution in source . On the other hand, in accordance with the By-Law on Bathing Water Quality, inspection and monitoring rights of authorities defined in the By Law are reserved. In this scope, in order to protect environment and public health, these authorities may take preventive measures for potential pollution in bathing and recreational waters.

The second and the new European Directive 2006/7/EC concerning the management of bathing water quality and repealing Directive 76/160/EEC was published on 15 February 2006. A period until 31 December 2014 was given to the Member States for the implementation of it. However The Member States shall bring into force the laws, regulations and administrative provisions in order to comply with this Directive by 24 March 2008.

Although the main objectives of the two Directives are to safeguard public health and protect environment from pollution, with the new Directive not only the new topics such as bathing water profiles, cyanobacterial risks, public participation, cooperation on transboundary waters; but the new bathing water quality classification through the monitoring of the parameters (intestinal enterococci, Escherichia Coli) will be introduced as well.

The transposition of the new Directive to the Turkish legislation will be done by the Ministry of Health so that Ministry of Health will be the responsible institution and Ministry of Environment and Forestry will be the relevant institution for this Directive. Due to the lack of technical background and experience about the new topics introduced by the new Directive, technical assistance will be required for the transposition of the Directive to our national regulation and its implementation.

### 3.2 Assessment of project impact, catalytic effect, sustainability and cross border impact (where applicable)

Project impact:

This project is expected to contribute to the transposition of the new bathing water Directive 2006/7/EC into the National legislation and strengthening the bathing water

quality monitoring system of the Ministry of Health within the framework of the new directive.

The achievements planned to be attained in the project are:

- Determination of the roles and responsibilities of the institutions and organizations on bathing water and in establishing bathing water profiles.
- Updating the current bathing water quality monitoring system of the Ministry of Health within the scope of the new bathing water directive.
- Preparation of the draft Turkish By-law concerning the alignment of the new bathing water directive 2006/7/EC.
- Establishment of the bathing water profiles in the selected areas of the pilot Provinces.
- Training of the technical personnel of the Ministry of Health from the central organization and 33 Provincial Health Directorates.
- Preparation and publication of guidance documents covering all the major headings of the new bathing water directive.

Catalytic effect:

This project will provide more comprehensive and effective monitoring of the quality of bathing water and reduction of the public health risks.

The project will also provide good coordination, cooperation and data sharing between institutions and organizations in bathing water.

Sustainability:

After the project finalization the developed methodologies and procedures will be put into general application in the 33 Provincial Health Directorates with the written instructions of the central organisation of the Ministry of Health. These new applications in bathing water quality monitoring will be controlled in the 33 Provincial Health Directorates by the central organization of the Ministry of Health during and/or at the end of the bathing season.

In-service trainings will be organized for the 33 Provincial Health Directorates before and after the bathing season to transfer the updated information on the quality of bathing water and monitoring applications

Cross border impact:

N/A

3.3 Results and measurable indicators:

Results	Objectively verifiable indicators
<p>1. The alignment of the new bathing water Directive 2006/7/EC will be done</p>	<p>Current situation assessment outputs through GAP analysis are in place for use by the end of the 3<sup>rd</sup> month of the project.</p>
	<p>Prepared draft of the Turkish legislation(By-law) is ready in the mid of 2014</p>
<p>2. Transition from 76/160/EEC to 2006/7/EC Directive regarding the classification and quality assessment of bathing water will be gradually ensured starting with the pilot applications and then disseminating to the whole bathing areas.</p>	<p>Methodology and Procedures for the new bathing water classification are ready for use in the mid of 2014</p>
	<p>The capacity of Ministry of Health for classifying and assessing the quality of bathing water improved in the mid of 2014 through training of 80 technical personnel from the central organization of the Ministry of Health and 33 Provincial Health Directorates</p>
	<p>Prepared and published Guidance Booklet on classification and quality assessment of bathing water is in place for use as 250 pieces in the mid of 2014</p>
<p>3. The bathing water profiles will be gradually established starting first in the selected areas of the pilot Provinces and then disseminating to the whole bathing areas.</p>	<p>Defined and assessed pollution sources in the selected Provinces (Antalya, İstanbul, Balıkesir) are ready for use at the beginning of the 13<sup>th</sup> month of the project.</p>
	<p>Methodology for establishing bathing water profiles are ready for use at the end of the 13<sup>th</sup> month of the project.</p>
	<p>Bathing water profiles in the selected areas of the pilot Provinces Antalya, İstanbul, Balıkesir established in the mid of 2014</p>
	<p>The capacity of Ministry of Health and other relevant institutions for establishing bathing water profiles improved in the mid of 2014 through training of 100 technical personnel from the central organization of the Ministry of Health, 33 Provincial Health Directorates and relevant institutions</p>
	<p>Prepared and published Guidance Booklet on bathing water profiles is in place for use as 350 pieces in the mid of 2014</p>
	<p>Procedures for compiling sets of bathing water quality data are ready for use at the beginning of the 14<sup>th</sup> month of the project.</p>
<p>4. Sets of Bathing water quality data will be compiled</p>	
	<p>The capacity of Ministry of Health for compiling sets of</p>

<p>5. The bathing water quality monitoring system of the Ministry of Health will be improved</p>	<p><del>bathing water quality data improved in the mid of 2014</del> through training of 80 technical personnel from the central organization of the Ministry of Health and 33 Provincial Health Directorates</p> <p>Prepared and published Guidance Booklet on sets of bathing water quality data is in place for use as 250 pieces in the mid of 2014</p> <p>The capacity of Ministry of Health for updating bathing water quality monitoring system improved in the mid of 2014 through training of 80 technical personnel from the central organization of the Ministry of Health and 33 Provincial Health Directorates</p> <p>Prepared and published Guidance Booklet on updated bathing water quality monitoring system is in place for use as 250 pieces in the mid of 2014</p>
<p>6. The technical capacity of the Ministry of Health laboratories to perform analysis according to the new bathing water directive will be improved</p>	<p>Capacity of the Provincial Public Health Laboratories of the 3 Provinces improved in doing the bathing water analysis with the coordination of Refik Saydam Hygiene Center of the MoH in the mid of 2014</p> <p>The capacity of Ministry of Health laboratory personnel on the analysis of the bathing water according to the requirements of the new Directive improved in the mid of 2014 through training of 70 laboratory personnel</p> <p>Prepared and published Guidance Booklet on the analysis of the bathing water according to the requirements of the new Directive is in place for use as 250 pieces in the mid of 2014</p>

3.4 Activities:

Activities	Means
<p>1.1 Assessment of the current situation with regard to 2006/7/EC</p> <p>1.2 Detailed GAP analysis with regard to 2006/7/EC</p> <p>1.3 Clarification of the roles and responsibilities of all Ministries concerning the new topics introduced by the 2006/7/EC Directive</p> <p>1.4 Local visit to Antalya and İstanbul to assess Provincial current situation.</p> <p>1.5 Preparation of the draft Turkish By-law</p> <p>2.1 Establishing methodology for the new bathing water classification</p> <p>2.2 Developing procedures for the new classification</p> <p>2.3 Adaptation of the new calculation method for the quality assessment of the bathing waters to the current system</p> <p>2.4 Pilot application with the 3 selected Provinces; Antalya, İstanbul, Balıkesir for the new bathing water classification</p> <p>2.5 Training on the new classification and quality assessment of bathing water with the participation of 33 Provincial Health Directorates.</p> <p>2.6 Preparation of Guidance Booklet on the new classification and quality assessment of bathing water.</p> <p>2.7 Workshop to discuss outputs and to establish operational procedures for the new classification and quality assessment of bathing water.</p> <p>2.8 Study Visit to see the bathing water classification and quality assessments in the Member State</p> <p>3.1 Determination of roles and responsibilities of the Ministries in establishing bathing water profiles with regard to 2006/7/EC .</p> <p>3.2 Visiting related Institutions having roles and responsibilities in establishing profiles</p> <p>3.3 Determination of roles and responsibilities of the Ministries producing data regarding environmental pollution factors in bathing water.</p> <p>3.4 Defining and assesement of the pollution sources by the relevant institutions and organizations in the selected Provinces (Antalya,</p>	<p>1 x Twinning Contract</p>

İstanbul, Balıkesir)

3.5 Local visit to Antalya, İstanbul, Balıkesir to assess the roles and responsibilities of the Provinces in establishing bathing water profiles.

3.6 Compiling and assesment of the relevant data

3.7 Development of methodology for establishing bathing water profiles

3.8 Establishing bathing water profiles in the selected areas of the pilot Provinces Antalya, İstanbul, Balıkesir.

3.9 Training on bathing water profiles for the personnel from the central organization of the Ministry of Health and 33 Provincial Health Directorates and also from other relevant Institutions having roles and responsibilities in establishing bathing water profiles.

3.10 Preparation of the Guidance Booklet on bathing water profiles.

3.11 Workshop to discuss outputs and to establish operational procedures for establishing bathing water profiles.

3.12 Study Visit to see the bathing water profiles in the Member State

4.1 Determination of the procedures for compiling sets of bathing water quality data

4.2 Reviewing of the existed data

4.3 Training on compiling sets of bathing water quality data for the Ministry of Health technical personnel from the central organization and 33 Provincial Health Directorates

4.4 Preparation of the Guidance Booklet on sets of bathing water quality data

4.5 Workshop to discuss outputs and to establish operational procedures for compiling sets of bathing water quality data

4.6 Study Visit to see the bathing water quality data sets in the Member State

5.1 Assessment of the current Bathing water quality monitoring system of the Ministry of Health

5.2 GAP analysis specific for the monitoring system

5.3 Establishing the monitoring calendar

5.4 Sampling

5.5 Evaluation of the analysis results during and at the end of the bathing season

5.6 Assessment of cyanobacterial proliferation



potential of bathing waters of Turkey

5.7 Development of local and national reports, reporting to EU

5.8 supply of information to the public

5.9 Defining short term pollution and abnormal conditions in bathing water and the determination of the preventive measures

5.10 Training on the updated bathing water quality monitoring system for the Ministry of Health technical personnel from the central organization and 33 Provincial Health Directorates

5.11 Preparation of the Guidance Booklet on updated bathing water quality monitoring system.

5.12 Workshop to discuss outputs and to establish operational procedures on updated bathing water monitoring system

5.13 Study Visit to see the monitoring system in the Member State

6.1 Pilot laboratory application with the Provincial Public Health Laboratories of the 3 selected Provinces; Antalya, İstanbul, Balıkesir with the coordination of Refik Saydam Hygiene Center of the MoH.

6.2 Local visit to the pilot laboratories to see their applications in place

6.3 Training on the analysis of the bathing water according to the requirements of the new Directive for the Ministry of Health laboratory personnel

6.4 Preparation of the Guidance Booklet on the analysis of the bathing water according to the requirements of the new Directive.

6.5 Workshop to discuss outputs and to establish operational procedures for analysis of bathing water

6.6 Study Visit for the pilot public health laboratories to see the laboratory applications in the Member State

### 3.5 Conditionality and sequencing:

N/A

### 3.6 Linked activities

Within the framework of 2004 Turkey-EU Pre-Accession Financial Cooperation programme, the Twinning Project under the title “Strengthening the Ministry of Health to Harmonise and Implement Legislation in the Field of Water For Public Health Protection” TR/2004/IB/EN/04 was implemented by Ministry of Health from 17 May 2006 to 30 June 2008. The aim of the project was to strengthen the institutional and administrative capacity of Ministry of Health to adopt and implement the EU Directives on Bathing Water (76/160/EEC – 2006/7/EC), Drinking water (98/83/EC), Mineral water (80/777/EEC).

This twinning project (TR 04-IB-EN- 04) was implemented under 6 components for Drinking Water, Bathing water and Natural Mineral Water. These components were as follows:

- Development of agreed framework implementation strategies for the full and effective implementation of the EU Directives,
- Strategy for Information,
- Protocols for monitoring, sampling and analysis,
- Management of non compliance cases,
- Measures to assure the quality and market potential of water in bottles,
- Assessment and update of procedures and test methods for approval of substances and materials in contact with water

Regarding with bathing water;

- Current situation assessment and gap analysis were done;
- Institutional arrangements roles and responsibilities of the Ministries were evaluated;
- Strategy for the full and effective implementation of the Directive were developed and action plan was defined;
- Data quality was assessed; data collection and management was evaluated in Antalya and Balıkesir Provincial Health Directorates as pilot applications;
- Database prototype was developed for Antalya and Balıkesir in connection with the Primary Health Care Statistic Module;
- Reporting and mechanisms for providing information to the public were studied;
- Management of non compliance cases in bathing water was evaluated;
- Management of quality incidents was evaluated;
- Capacities of laboratories were evaluated in doing the bathing water analysis;
- Analysing methods were assessed;
- Sampling, handling and transporting procedures were assessed and developed;
- Quality assurance for laboratories were developed;
- Guidance document involving legislation and all the headings of bathing water quality monitoring was prepared, published and distributed to the 34 Provincial Health Directorates;
- Protocol Handbook for Sampling, Handling, Transporting and Analysing Bathing water was prepared, published and distributed to the Refik Saydam

Hygiene Center, Regional Hygiene Laboratories and Public Health Laboratories;

- 2 Trainings, 1 workshop for Health Directorates and 2 trainings 1 workshop for laboratories were done.

Related with the new bathing water Directive 2006/7/EC

- The general outline of the Directive
- The new subjects introduced with the new Directive
- “Transposition methodology” were discussed .
- Cynobacteria – Algae exercise was done .

It is mentioned in the final report of the project The Twinning project has fulfilled its objectives, the related benchmarks and guaranteed results have been achieved.

- The Guidance documents (for Bathing Water Directives, for Drinking Water Directives and for Mineral Water Directive) and the 3 Handbooks on Protocols (also for the same media) released at the end of the project have been largely extended to cover not only the topics initially planned in the work plan but also the majority of subjects developed in the Twinning, and to give a general overview of every items of the Directive concerned. These manuals will create a common language, a common understanding of the requirements of the Directives and will help the potential users in the tasks and objectives they will face in the coming years.
- The training part of the project was also very successful, with an important increase in terms of number of persons trained compared with the work plan. Workshops also took place with full implication of pilot regions and presented results, examples and guidance documents .
- The development of software of database prototype has been a success. It has been prepared for Bathing Water Quality Data and Drinking Water Quality Data from three pilot regions (Ankara, Antalya and Balıkesir Provincial Health Directorates), a guaranty to obtain an efficient and practical tool that can be used by all Public Health Directorates when they will have entered their respective water supplying background. A workshop was organised in order to present the functionalities of the product.
- The web site [www.watertwinning.saglik.gov.tr](http://www.watertwinning.saglik.gov.tr) was established. All the translated documents, all drafts of Guidance Documents and Handbooks, all the presentations were systematically uploaded.

### 3.7 Lessons learned

It is stated in the previous Twinning Project (**TR 04-IB-EN-04**) Final Report that it will be interesting for the Ministry to develop certain topics in the coming years and reinforce corresponding abilities: Health risk assessment at immediate, middle and long term; Drinking water treatment and its relation with quality measurement; Quality assurance at all level from the sample to the national report; Crisis management in case of pollution and extreme events; Exchanges of information and data base for the information at all level on water quality; and finally the Development of Water Safety Plans as proposed in Directive under preparation by the EU.

It is also specified that all the project actions have contributed to the strengthening of the Ministry of Health in application of the concerned Directives in the field of Water and Health and result in a better protection of human health and the environment.

Besides, it is mentioned that during the course of the Twinning an excellent spirit of collaboration has developed and this explains the results obtained and the high level of exchanges between experts. There is no doubt that the Ministry of Health has the capacity to fulfil the obligations of the Directives in the next future.

The previous Twinning Project activities concerning the bathing water were mostly carried out on the basis of 76/160/EEC Directive, since the new bathing water Directive 2006/7/EC was published just before the implementation of the project. Nevertheless the methodology for the transposition of the new Directive was evaluated and general information were given about cyanobacteria and bathing water profiles within the framework of this project.

**4. Indicative Budget (amounts in EUR)**

			SOURCES OF FUNDING										
			TOTAL EXP.RE	TOTAL PUBLIC EXP.RE	IPA CONTRIBUTION		NATIONAL PUBLIC CONTRIBUTION					PRIVATE CONTRIBUTION	
ACTIVITIES	IB (1)	INV (1)	EUR (a)=(b)+(e)	EUR (b)=(c)+(d)	EUR (c)	% (2)	Total EUR (d)=(x)+(y)+(z)	% (2)	Central EUR (x)	Regional/ Local EUR (y)	IFIs EUR (z)	EUR (e)	% (3)
Activity 1 Twinning, for the Alignment in bathing water monitoring 2006/7/EC													
contract 1	x	–	1,500,000	1,500,000	1,425,000	95	75,000	5	75,000	0	0	0	–
TOTAL IB			1,500,000	1,500,000	1,425,000	95	75,000	5	75,000	0	0	0	0
TOTAL INV			-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL PROJECT</b>			<b>1,500,000</b>	<b>1,500,000</b>	<b>1,425,000</b>	<b>95</b>	<b>75,000</b>	<b>5</b>	<b>75,000</b>				

NOTE: DO NOT MIX IB AND INV IN THE SAME ACTIVITY ROW. USE SEPARATE ROW

Amounts net of VAT

(1) In the Activity row use "X" to identify whether IB or INV

(2) Expressed in % of the **Public** Expenditure (column (b))

(3) Expressed in % of the **Total** Expenditure (column (a))

For Twinning contracts joint cofinancing will be provided to cover 5% of the costs of the Twinning contract. Additional parallel cofinancing will be provided in order to cover costs of activities not eligible for IPA support in line with the Twinning Manual.

## 5. Indicative Implementation Schedule (periods broken down per quarter)

Contracts	Start of Tendering	Signature of contract	Project Completion
Contract 1	IQ2011	IQ2012	IQ2014

Duration of the twinning project: 24 months

All projects should in principle be ready for tendering in the 1<sup>ST</sup> Quarter following the signature of the FA

## 6. Cross cutting issues (where applicable)

N/A

### 6.1 Equal Opportunity

The project will apply the policy of equal opportunities for all groups including vulnerable groups.

### 6.2 Environment

The project has no negative impact on environment. The Project itself is focused on the achievement of long-term environmental improvements in Turkey.

The achievements and improvements in the monitoring of the quality of bathing water with the support of this project will ensure not only the better protection of public health but also the better protection of environment from pollution as well.

### 6.3 Minorities and vulnerable groups

According to the Turkish Constitutional System, the word minorities encompasses only groups of persons defined and recognized as such on the basis of multilateral or bilateral instruments to which Turkey is a party. This project has no negative impact on minority and vulnerable groups.

### 6.4 Civil Society

TURÇEV, Turkish Foundation for Environmental Education is the national coordinator of the Blue Flag Campaign in Turkey. The Blue Flag Campaign activities are being implemented with the cooperation of the three Ministries; Ministry of Health, Ministry of Culture and Tourism and Ministry of Environment and Forestry in the coordination of TURÇEV.

TURÇEV will involve in the relevant project activities and their recommendations and suggestions will be taken.

**ANNEXES**

- 1- Log frame in Standard Format
- 2- Amounts contracted and Disbursed per Quarter over the full duration of Programme

**ANNEX 1: Logical framework matrix in standard format**

LOGFRAME PLANNING MATRIX FOR Project Fiche	Programme name and number (IPA-1) 2010 (PIS Ref. No:31)	TR2010/0327.01
<b>Alignment in bathing water monitoring</b>	Contracting period expires 2 years after the signature of the Financing Agreement	Disbursement period expires 3 years following the end date for contracting.
	Total budget : 1.5M Euro	IPA budget: 1.425 MEuro

Overall objective	Objectively verifiable indicators	Sources of Verification	
The overall objectives of the project are to contribute to the reduction of public health risks and to ensure coordination, cooperation and data sharing between institutions and organisations in bathing waters	The new bathing water quality monitoring system is ready for use by 33 Provincial Health Directorates.  Ministry of Health will meet the bathing water quality monitoring requirements under the environmental acquis after 2011	- National Report - Annual reports of MoH	
Project purpose	Objectively verifiable indicators	Sources of Verification	Assumptions
Transposition of the new bathing water Directive 2006/7/EC into the Turkish national legislation and strengthening the bathing water quality monitoring system of Ministry of Health within the framework of the new Directive	-Draft By-law is prepared at the end of the project  - Guidance documents are in place for use by the 33 Provincial Health Directorates in the mid of 2014  - Almost 100 personnel from MoH and relevant institutions are trained on the requirements of the new bathing water Directive in the mid of 2014	- National Reports - Annual reports of MoH - Guidance Documents - Draft By-law	
Results	Objectively verifiable indicators	Sources of Verification	Assumptions
The alignment of the new bathing water Directive 2006/7/EC will be done  Transition from 76/160/EEC to 2006/7/EC Directive regarding the classification and quality assessment of bathing water will be gradually ensured starting with the pilot applications and then disseminating to the whole bathing areas.	- Current situation assessment outputs through GAP analysis are in place for use by the end of the 3 <sup>rd</sup> month of the project.  - Prepared draft of the Turkish legislation(By-law) is ready in the mid of 2014  - Methodology and Procedures for the new bathing water classification are ready for use in the mid of 2014  - The capacity of Ministry of Health for classifying and assessing the quality of bathing water improved in the mid of 2014 through training of 80 technical personnel from the central organization of the Ministry of Health and 33 Provincial Health Directorates  - Prepared and published	- Participation lists of the working groups - Working group reports - Draft By-law - Local Visit Reports  - Participation lists of the working groups - Working group reports - Participation list of the training and certificates of trainers - Participation list of the workshop and reports - Study Visit Reports	

## 2010 - Alignment in bathing water monitoring

<p>The bathing water profiles will be gradually established starting first in the selected areas of the pilot Provinces and then disseminating to the whole bathing areas.</p>	<p>Guidance Booklet on classification and quality assessment of bathing water is in place for use as 250 pieces in the mid of 2014</p> <ul style="list-style-type: none"> <li>- Defined and assessed pollution sources in the selected Provinces (Antalya, İstanbul, Balıkesir) are ready for use at the beginning of the 13<sup>th</sup> month of the project.</li> <li>- Methodology for establishing bathing water profiles are ready for use at the end of the 13<sup>th</sup> month of the project.</li> <li>- Bathing water profiles in the selected areas of the pilot Provinces Antalya, İstanbul, Balıkesir established in the mid of 2014</li> <li>- The capacity of Ministry of Health and other relevant institutions for establishing bathing water profiles improved in the mid of 2014 through training of 100 technical personnel from the central organization of the Ministry of Health, 33 Provincial Health Directorates and relevant institutions</li> <li>- Prepared and published Guidance Booklet on bathing water profiles is in place for use as 350 pieces in the mid of 2014</li> </ul>	<ul style="list-style-type: none"> <li>- Participation lists of the working groups</li> <li>- Working group reports</li> <li>- Participation list of the training and certificates of trainers</li> <li>- Participation list of the workshop and reports</li> <li>- Study Visit Reports</li> <li>- Local Visit Reports; Antalya, İstanbul, Balıkesir</li> </ul>
<p>Sets of Bathing water quality data will be compiled</p>	<ul style="list-style-type: none"> <li>- Procedures for compiling sets of bathing water quality data are ready for use at the beginning of the 14<sup>th</sup> month of the project.</li> <li>- The capacity of Ministry of Health for compiling sets of bathing water quality data improved in the mid of 2014 through training of 80 technical personnel from the central organization of the Ministry of Health and 33 Provincial Health Directorates</li> <li>- Prepared and published Guidance Booklet on sets of bathing water quality data is in place for use as 250 pieces in the mid of 2014</li> </ul>	<ul style="list-style-type: none"> <li>- Participation lists of the working groups</li> <li>- Working group reports</li> <li>- Participation list of the training and certificates of trainers</li> <li>- Participation list of the workshop and reports</li> <li>- Study Visit Reports</li> </ul>
<p>The bathing water quality monitoring system of the Ministry of Health will be improved</p>	<ul style="list-style-type: none"> <li>- The capacity of Ministry of Health for updating bathing water quality monitoring system improved in the mid of 2014 through training of 80 technical personnel from the central organization of the Ministry of Health and 33 Provincial Health Directorates</li> <li>- Prepared and published Guidance Booklet on updated bathing water quality monitoring system is in place for use as 250 pieces in the mid of 2014</li> </ul>	<ul style="list-style-type: none"> <li>- Participation lists of the working groups</li> <li>- Working group reports</li> <li>- Participation list of the training and certificates of trainers</li> <li>- Participation list of the workshop and reports</li> <li>- Study Visit Reports</li> </ul>
<p>The technical capacity of the Ministry of Health laboratories to perform analysis according to the new bathing water directive will be improved</p>	<ul style="list-style-type: none"> <li>- Capacity of the Provincial Public Health Laboratories of the 3 Provinces improved in doing the bathing water analysis with the coordination of Refik Saydam Hygiene Center of the MoH in the mid of 2014</li> </ul>	<ul style="list-style-type: none"> <li>- Participation lists of the working groups</li> <li>- Working group reports</li> <li>- Participation list of the training and certificates of trainers</li> <li>- Participation list of the workshop and reports</li> <li>- Study Visit Reports</li> <li>- Local Visit Reports</li> </ul>



## 2010 - Alignment in bathing water monitoring

	<ul style="list-style-type: none"> <li>- The capacity of Ministry of Health laboratory personnel on the analysis of the bathing water according to the requirements of the new Directive improved in the mid of 2014 through training of 70 laboratory personnel</li> <li>- Prepared and published Guidance Booklet on the analysis of the bathing water according to the requirements of the new Directive is in place for use as 250 pieces in the mid of 2014</li> </ul>		
Activities	Means	Costs	Assumptions
<p><b>The alignment of the new bathing water Directive 2006/7/EC will be done</b></p> <ul style="list-style-type: none"> <li>- Assessment of the current situation with regard to 2006/7/EC</li> <li>- Detailed GAP analysis with regard to 2006/7/EC</li> <li>- Clarification of the roles and responsibilities of all Ministries concerning the new topics introduced by the 2006/7/EC</li> <li>-Local visit to Antalya and İstanbul to assess Provincial current situation</li> <li>- Preparation of the draft Turkish By-law</li> </ul> <p><b>Transition from 76/160/EEC to 2006/7/EC Directive regarding the classification and quality assessment of bathing water will be gradually ensured starting with the pilot applications and then disseminating to the whole bathing areas.</b></p> <ul style="list-style-type: none"> <li>- Establishing methodology for the new bathing water classification</li> <li>- Developing procedures for the new classification</li> <li>- Adaptation of the new calculation method for the quality assessment of the bathing waters to the current system</li> <li>- Pilot application with the 3 selected Provinces; Antalya, İstanbul, Balıkesir for the new bathing water classification</li> <li>-Training on the new classification and quality assessment of bathing water with the participation of 33 Provincial Health Directorates.</li> <li>- Preparation of Guidance Booklet on the new classification and quality assessment of bathing water .</li> <li>- Workshop to discuss outputs and to establish operational procedures for the new classification and quality assessment of bathing water.</li> <li>- Study Visit to see the bathing water classification and quality assessments in the Member State</li> </ul> <p><b>The bathing water profiles will be gradually established starting first in the selected areas of the pilot Provinces and then disseminating to the whole bathing areas.</b></p>	1 x Twinning Contract	1.500.000 Euro	

## 2010 - Alignment in bathing water monitoring

<p>- Determination of roles and responsibilities of the Ministries in establishing bathing water profiles with regard to 2006/7/EC.</p> <p>- Visiting related Institutions having roles and responsibilities in establishing profiles</p> <p>- Determination of roles and responsibilities of the Ministries producing data regarding environmental pollution factors in bathing water.</p> <p>- Defining and assesment of the pollution sources by the relevant institutions and organizations in the selected Provinces (Antalya, İstanbul, Balıkesir)</p> <p>- Local visit to Antalya, İstanbul, Balıkesir to assess the roles and responsibilities of the Provinces in establishing bathing water profiles</p> <p>- Compiling and assesment of the relevant data</p> <p>- Development of methodology for establishing bathing water profiles</p> <p>- Establishing bathing water profiles in the selected areas of the pilot Provinces Antalya, İstanbul, Balıkesir.</p> <p>- Training on bathing water profiles for the personnel from the central organization of the Ministry of Health and 33 Provincial Health Directorates and also from other relevant Institutions having roles and responsibilities in establishing bathing water profiles.</p> <p>- Preparation of the Guidance Document on bathing water profiles.</p> <p>- Workshop to discuss outputs and to establish operational procedures for establishing bathing water profiles.</p> <p>- Study Visit to see the bathing water profiles in the Member State</p> <p><b>Sets of Bathing water quality data will be compiled</b></p> <p>- Determination of the procedures for compiling sets of bathing water quality data</p> <p>- Reviewing of the existed data</p> <p>- Training on compiling sets of bathing water quality data for Ministry of Health technical personnel from the central organization and 33 Provincial Health Directorates</p> <p>- Preparation of the Guidance Booklet on sets of bathing water quality data</p> <p>- Workshop to discuss outputs and to establish operational procedures for compiling sets of bathing water quality data</p> <p>- Study Visit to see the bathing water quality data sets in the Member State</p> <p><b>The bathing water quality monitoring system of the Ministry of Health will be improved</b></p>			
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## 2010 - Alignment in bathing water monitoring

<ul style="list-style-type: none"> <li>- Assessment of the current Monitoring system</li> <li>- GAP analysis specific for the monitoring system</li> <li>- Establishing the monitoring calendar</li> <li>- Sampling</li> <li>- Evaluation of the analysis results during and at the end of the bathing season</li> <li>- Assessment of cyanobacterial proliferation potential of bathing waters of Turkey</li> <li>- Development of local and national reports, reporting to EU</li> <li>- supply of information to the public</li> <li>- Defining short term pollution and abnormal conditions in bathing water and the determination of the preventive measures</li> <li>- Training on the updated bathing water quality monitoring system for the Ministry of Health technical personnel from the central organization and 33 Provincial Health Directorates</li> <li>- Preparation of the Guidance Booklet on updated bathing water quality monitoring system.</li> <li>- Workshop to discuss outputs and to establish operational procedures on updated bathing water monitoring system</li> <li>- Study Visit to see the monitoring in the Member State</li> </ul> <p><b>The technical capacity of the Ministry of Health laboratories to perform analysis according to the new bathing water directive will be improved</b></p> <ul style="list-style-type: none"> <li>- Pilot laboratory application with the Provincial Public Health Laboratories of the 3 selected Provinces; Antalya, İstanbul, Balıkesir with the coordination of Refik Saydam Hygiene Center of the MoH.</li> <li>- local visit to the pilot laboratories to see their applications in place</li> <li>- Training on the analysis of the bathing water according to the requirements of the new Directive for the Ministry of Health laboratory personnel</li> <li>- Preparation of the Guidance Booklet on the analysis of the bathing water according to the requirements of the new Directive.</li> <li>- Workshop to discuss outputs and to establish operational procedures for analysis of bathing water</li> <li>- Study Visit for the pilot public health laboratories to see the laboratory applications in the Member State</li> </ul>			
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**Pre conditions**



2010 - Alignment in bathing water monitoring

**ANNEX 2: amounts (in €) Contracted and disbursed by quarter for the project (IPA contribution only)**

<b>Contracted</b>	2011/4	2012/1	2012/2	2012/3	2012/4	2013/1	2013/2	2013/3	2013/4	2014/1	2014/2	2014/3	2014/4
Contract 1 (Twinning)		1,425,000											
<b>Cumulated</b>		<b>1,425,000</b>											
<b>Disbursed</b>													
Contract 1 (Twinning)		641,250		160,312		160,313		160,312		160,313			142,500
<b>Cumulated</b>		<b>641,250</b>	<b>641,250</b>	<b>801,562</b>	<b>801,562</b>	<b>961,875</b>	<b>961,875</b>	<b>1,122,187</b>	<b>1,282,500</b>	<b>1,282,500</b>	<b>1,282,500</b>	<b>1,282,500</b>	<b>1,425,000</b>

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