



İ S T A N B U L  
**BÜYÜKŞEHİR**  
BELEDİYESİ

ÇEVRE KORUMA VE KONTROL  
DAİRE BAŞKANLIĞI

Web Service Usage

Document

Environmental Protection

Directorate

V.1.01

## 1. PURPOSE

This document; It has been prepared for the purpose of sharing information about web services developed by the Environmental Protection Directorate.

## 2. CONTENT

It covers web services developed by the Environmental Protection Directorate. The document contains web services, method usage information and method return information.

## 3. GENERAL INFORMATION ABOUT USING THE SERVICES

The web services developed within the scope of this project are provided to return as JSON or CSV objects.

The date type used in the services should be sent according to the format type below, unless otherwise stated; Date Format: dd-MM- yyyy HH:mm:ss (Ex: 12-06-12 22:00:00)

## 4. AIR QUALITY WEB SERVICES

### 4.1. Air Quality Station Information Web Service

Information of Air Quality stations is shared with this web service.

#### 4.1.1. Web Service Address:

URL	<a href="https://api.ibb.gov.tr/havakalitesi/OpenDataPortalHandler/GetAQIStations">https://api.ibb.gov.tr/havakalitesi/OpenDataPortalHandler/GetAQIStations</a>
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#### 4.1.2. Method Parameter List (REQUEST)

Method Name	Parameter Name	P. Type	P. Status	Explanation
GetAQIStations	-	-	-	Returns the list of stations Id, Name, Address and Location.
GetAQIStations	f=csv	String	Optional	Data by specifying f=csv Returns as Csv

#### 4.1.3. Method Return List (RESPONSE)

Method Name	Parameter Name	P. Type	Explanation	D.Type
GetAQIStations	Id	Guid	Contains Station Id information. It is a unique field.	JSON
	Name	String	Contains the station name information.	
	Adress	String	Contains station address information.	
	Location	String	It contains the Lat-Long coordinate information of the station.	
GetAQIStations?f=csv	Id	Guid	Contains Station Id information. It is a unique field.	CSV
	Name	String	Contains the station name information.	
	Adress	String	Contains station address information.	
	Location	String	The station's Lat-Long Contains coordinate information.	

#### 4.2. Air Quality Station Measurement Results Web Service

With this web service, Concentration and Air Quality Index (AQI) information is shared according to the start and end dates of the station whose ID is entered.

Web Service Address:

URL	<a href="https://api.ibb.gov.tr/havakalitesi/OpenDataPortalHandler/GetAQIByStationId">https://api.ibb.gov.tr/havakalitesi/OpenDataPortalHandler/GetAQIByStationId</a>
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Example URL	<a href="https://api.ibb.gov.tr/havakalitesi/OpenDataPortalHandler/GetAQIByStationId?StationId=377e1216-bcc7-42c0-aad8-4d5b3d602b78&amp;StartDate=11.06.2020%2000:00:00&amp;EndDate=12.06.2020%2000:00:00">https://api.ibb.gov.tr/havakalitesi/OpenDataPortalHandler/GetAQIByStationId?StationId=377e1216-bcc7-42c0-aad8-4d5b3d602b78&amp;StartDate=11.06.2020%2000:00:00&amp;EndDate=12.06.2020%2000:00:00</a>
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##### 4.2.1. Method Parameter List (REQUEST)

Method Name	Parameter Name	P. Type	P. Status	Explanation
GetAQIByStationId	StationId	Guid	Necessary	It is the Unique Id of the station whose measurement information will be retrieved. (From "Air Quality Station Information" Web Service) accessible.)

StartDate	DateTime	Necessary	The specified date(dd.mm.yy) and time(hh:mm:ss) is determined as the start date of the measurements. Example format: "11.06.2020%2000:00:00"
EndDate	DateTime	Necessary	The specified date(dd.mm.yy) and time(hh:mm:ss) is determined as the end date of the measurements. Example format: "11.06.2020%2000:00:00"
f	String	Optional	Returns Data as Csv by specifying f=csv.

#### 4.2.2. Method Return List (RESPONSE)

Method Name	Parameter Name	P. Type	Explanation	D. Type
GetAQIByStationId	ReadTime	DateTime	Contains measurement date information.	JSON
	Concentration	Object	PM10, SO2, O3, NO2 and CO measured from the Station's Analyzer contains the value of the data.	
	AQI	Object	The values of PM10, SO2, O3, NO2 and CO raw data measured from the Analyzer of the station after calculating the Air Quality Index and the HKI value for that hour, the Pollutant parameter, the status and the status includes color.	
GetAQIByStationId?f=csv	ReadTime	DateTime	Measurement date information includes.	CSV
	Concentration	Object	PM10, SO2, O3, Measured from the Station's Analyzer NO2 and CO raw contains the value of the data.	
	AQI	Object	The values of PM10, SO2, O3, NO2 and CO raw data measured from the Analyzer of the station after calculating the Air Quality Index and the HKI value for that hour, the Pollutant parameter, the status and the status includes color.	