# ICOS (0.1.0)

Download OpenAPI specification: Download

ICOS Carbon Portal: info@icos-cp.eu | URL: https://www.icos-cp.eu | License: GNU AGPLv3

Access to data and metadata from the european Integrated Carbon Observation System, ICOS. The Carbon Portal is a one stop shop for european high quality greenhouse gas measurements.

This API is for users who like to have an easy access to the most common data objects and information about the research stations. Please note, that not all of the data objects and information is available through the API. For example we server only Level 2 data objects. If in doubt, please visit <a href="https://www.icos-cp.eu/about-icos-data">https://www.icos-cp.eu/about-icos-data</a> to learn more.

## **ICOS**

Integrated Carbon Obeservation System

## find

## A list of data collections

No parameters returns a list of collection id's with a short description for each collection (what kind of data is included, size, data object id's.)

#### **QUERY PARAMETERS**

⊣ id

any

Collection id returns a list of data object descriptors, included in a specific collection.

→ limit

integer

limit the amount of entries returned. Very useful to test your query before you possibly get a list of thousands fo entries.

### Responses

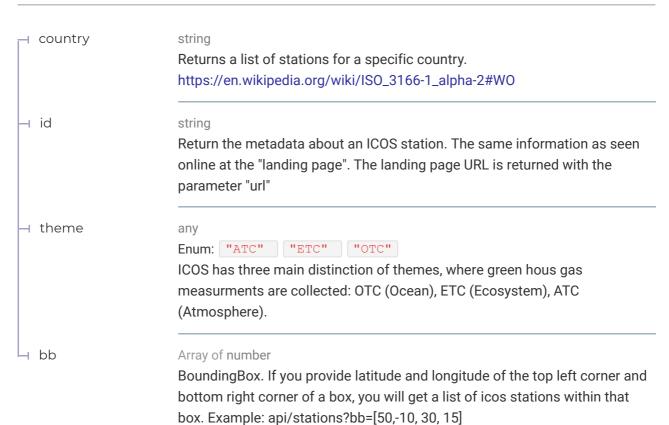
- 200 data collection



### A list of ICOS stations

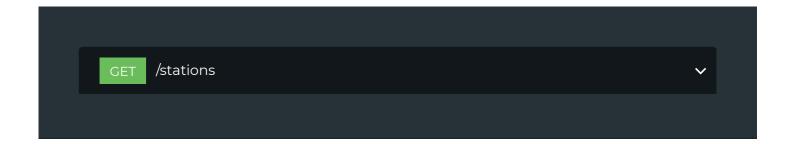
without any parameters returns a list of all labeled and certified ICOS stations.

#### **QUERY PARAMETERS**



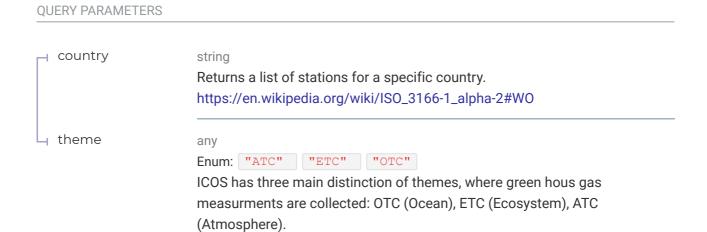
### Responses

- 200 ICOS certified stations



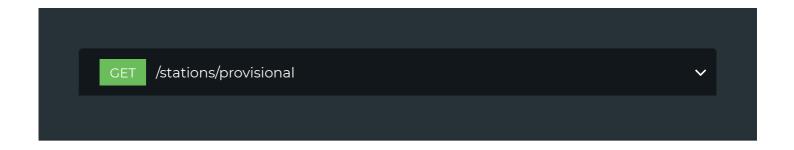
## Povisional ICOS stations

get a list of icos stations in the labeling process



## Responses

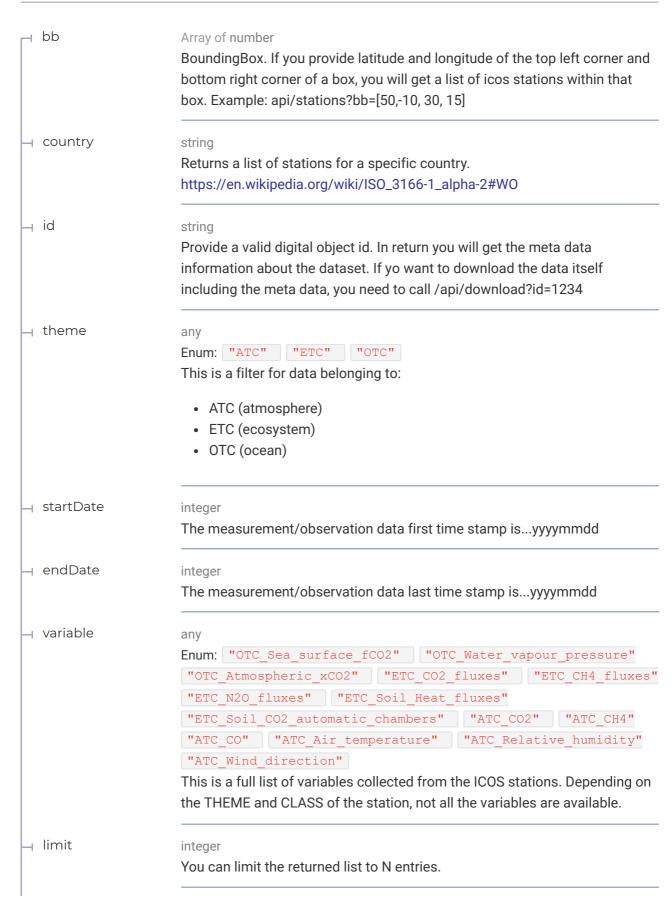
200 provisional icos stations



## A list of data objects

Download a list of data objects or if you provide a valid data object ID, you get the information about that specific digital object. If you don't set the paramater "limit", by default we set a limit of 25. If you want "all" you need to set limit to -1. But be very careful, we have thousands of data objects.

#### **QUERY PARAMETERS**



⊣ stationId ⊣ format

string

You can search for data measured at a specific station.

any

Value: "list"

By default you will get a list with meta data about the data objects. If you choose the output to be format=list you will get an array back, which can be used in the downlad part. You may feed this output directly into /api/download?id=list

## Responses

- 200 data object information



## download

## Download data

Download specific data objects.

**QUERY PARAMETERS** 

→ id required

any

Please provide an array of digital object identifiers (PID) as single argument for one file, or an array for multiple files Example single file: /api/downlad? id=123456 Example multi file: /api/downlad?id=[123456, 4362346, 32452345+, 1325415432lk3]

### Responses

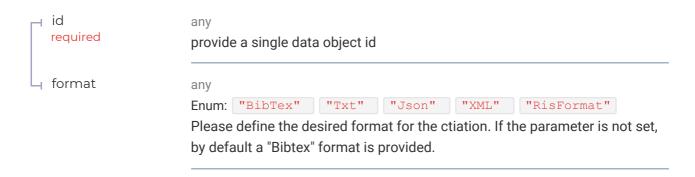
- 200 download completed



## Download citation

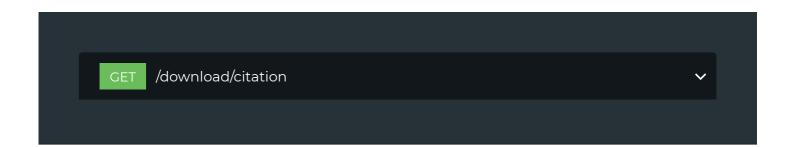
Download citation for a single specific data object. By default a "BibTex" file, alternative formats are available with the paramater ?format=

#### **QUERY PARAMETERS**



### Responses

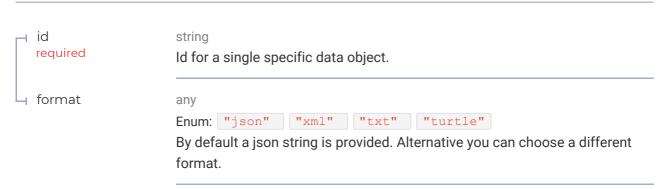
- 200 ICOS\_citation\_downland



## Download metadata

Download metadata for a specific single data object. By default the format is a "json" object, but alternative formats are provided by setting the paramater ?format=

#### **QUERY PARAMETERS**



## Responses

- 200 ICOS\_metadata\_download

