J R C T E C H N I C A L R E P O R T S

PT-DAP – Data submission - OC&EC

User Manual

Date: 19.02.2025
Version: 1.0

Table of Contents

Table of Contents 2

1. Introduction 3

2. DATA submission 4

2.1 Submission form 5

2.1.1 MEASURANDs and METADATA 5

2.1.2 DATA 5

3. Manage your data 8

4. Contact ERLAP 10

1. Introduction

The PT-Data Acquisition Platform (PT-DAP) is a web application designed to support proficiency testing (PT) for Total Carbon (TC), Organic Carbon (OC) and Elemental Carbon (EC) mass concentration measurements. During the data submission phase, participants are required to submit their data, by a specified deadline, in well-structured CSV files, ensuring consistency and accuracy in reporting. After preparing their data, users can upload their data files through the web interface.

This process centralizes data collection, enabling PT coordinators to evaluate the submitted data and provide feedback. The platform plays a crucial role in enhancing the reliability of particulate matter assessments, ultimately contributing to improved air quality monitoring.

2. DATA submission

During the data submission phase, accordingly to the displayed start and end date, you can either withdraw your participation in the PT-scheme round (click WITHDRAW and CONFIRM) or submit your data (click SUBMIT) (Figure 1).

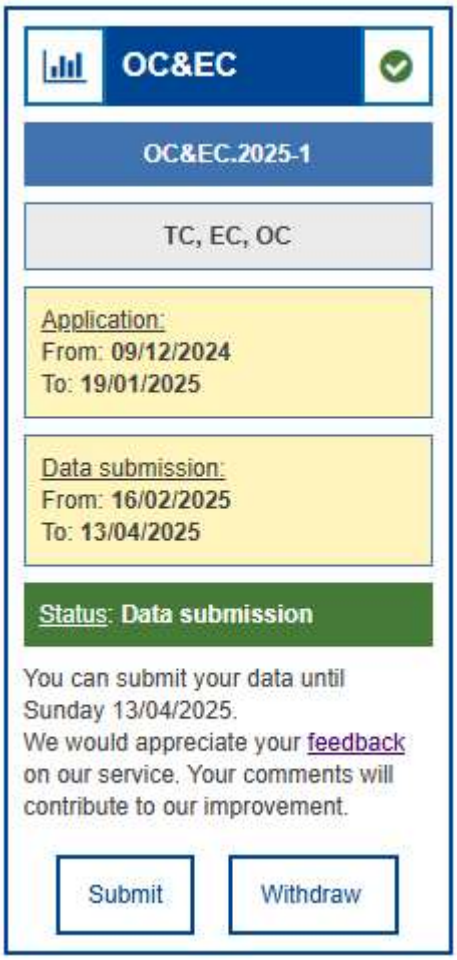


Figure 1 – Data Submission Phase, submit and withdrawn button

2.1 Submission form

2.1.1 MEASURANDs and METADATA

As a first step of the data submission phase (Figure 2), SELECT a measurand.

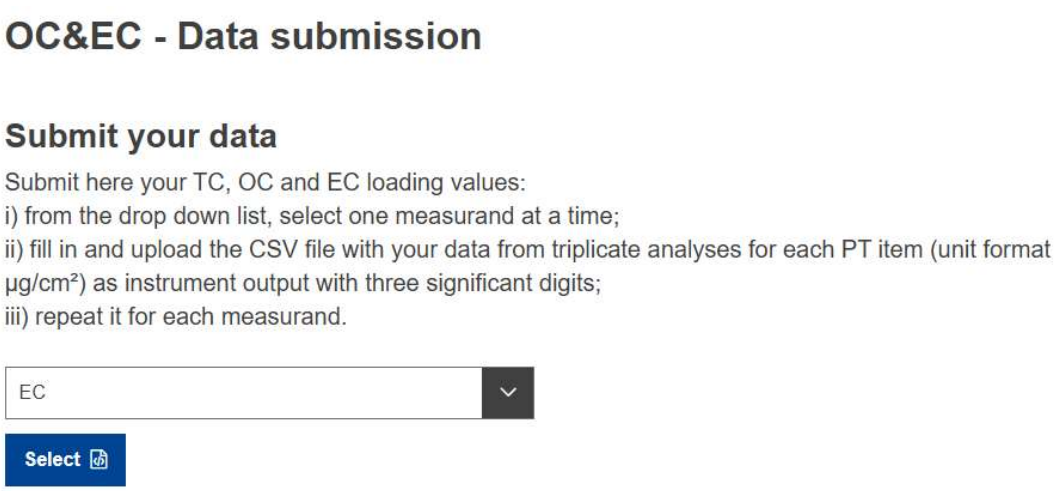


Figure 2 – Submission form

2.1.2 DATA

Proceed to upload your data:

1) Click CHOOSE FILE, browse, select and OPEN the data file (Figure 3).
2) SELECT a file
3) Click SUBMIT to upload the selected file (Figure 4).

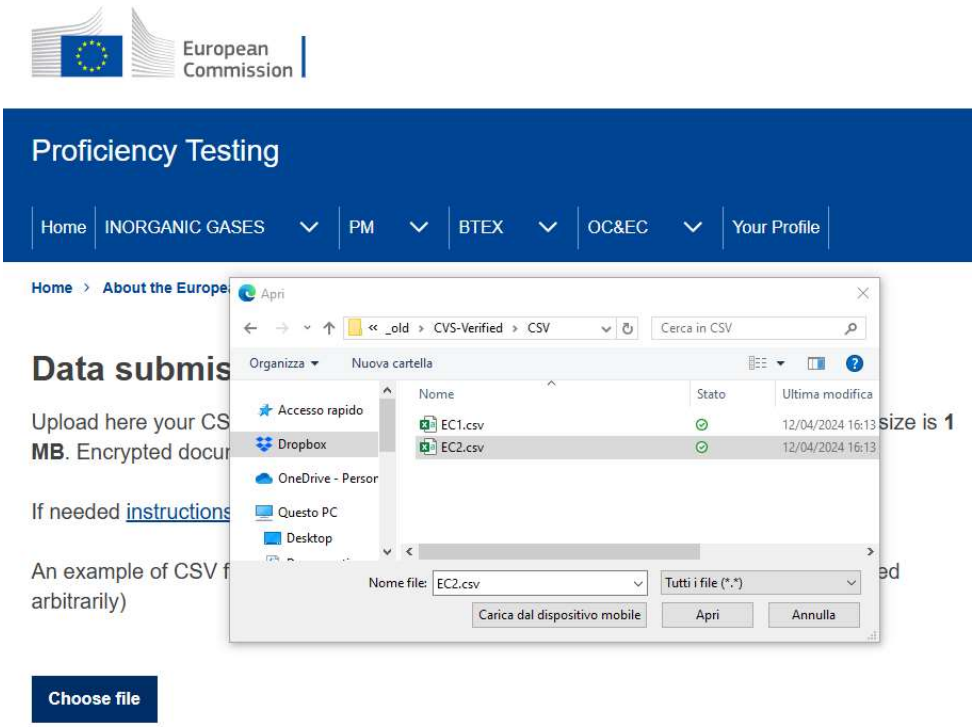
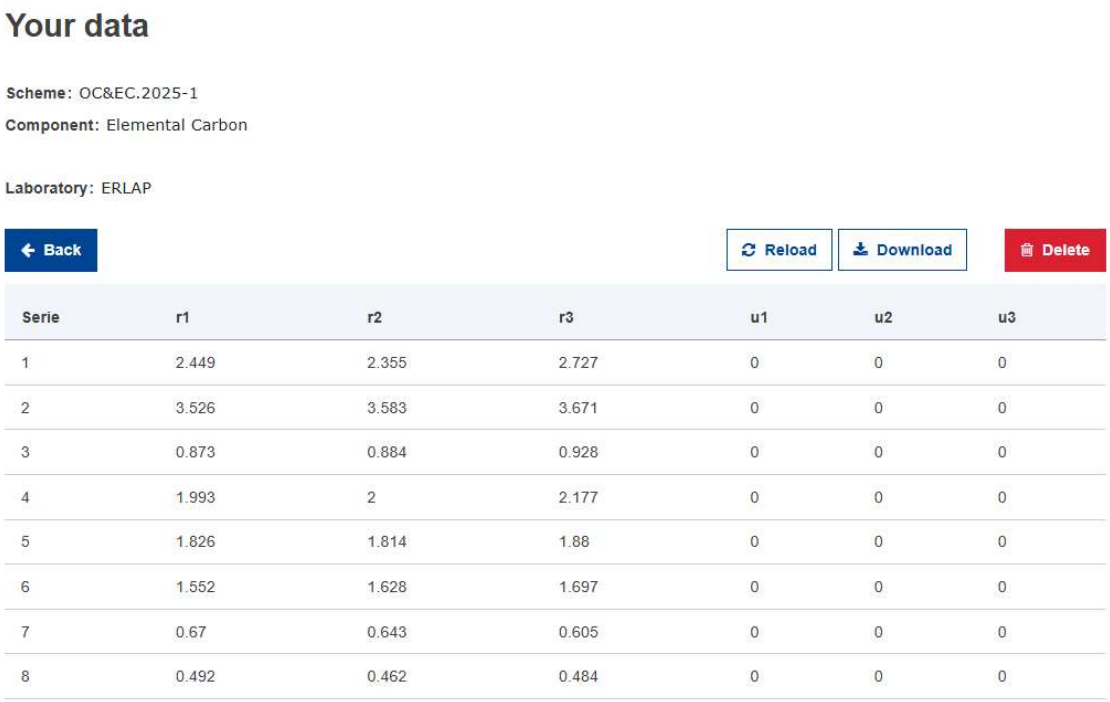


Figure 3 – Data file selection

Figure 4 – Data uploading

The data file is automatically verified for format and completeness; in case of a well-formed file, data are shown in a table (Figure 5); otherwise, error details are provided.



Your data

Scheme: OC&EC.2025-1

Component: Elemental Carbon

Laboratory: ERLAP

Back | Reload | Download | Delete

Serie	r1	r2	r3	u1	u2	u3
1	2.449	2.355	2.727	0	0	0
2	3.526	3.583	3.671	0	0	0
3	0.873	0.884	0.928	0	0	0
4	1.993	2	2.177	0	0	0
5	1.826	1.814	1.88	0	0	0
6	1.552	1.628	1.697	0	0	0
7	0.67	0.643	0.605	0	0	0
8	0.492	0.462	0.484	0	0	0

Figure 5 – Data correctly uploaded

Click BACK and repeat the previous steps for each measurand and the transport-storage temperature recording (.pdf file).

3. Manage your data

Once the submission is completed, a summary of the submitted data sets is displayed (Figure 6). Measurands and the last modified date are given in columns.

Figure 5 – Your submitted data sets

You can manage your data sets: click VIEW to display the corresponding data in a table. Note that cells highlighted in yellow indicate missing entries, left intentionally or mistakenly empty (Figure 7).

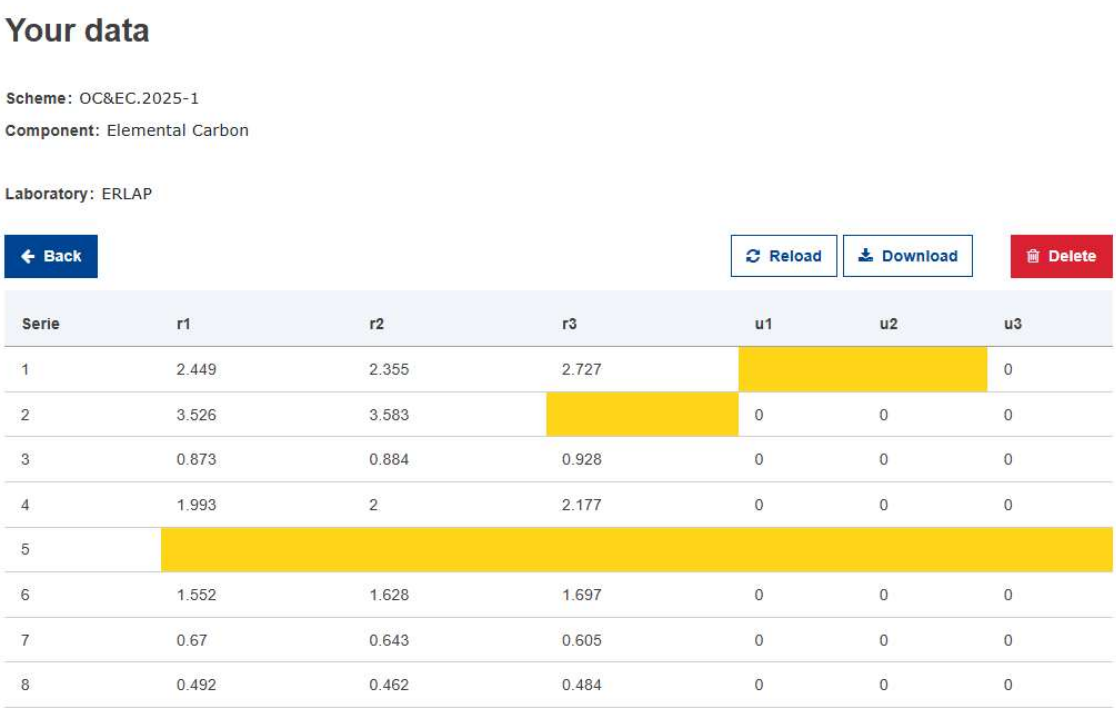


Figure 6 – a data set

Now, you may (Figure 7):

1. RELOAD your data set: refresh a data set by reloading a new file;
2. DOWNLOAD your data set: export a data set;
3. DELETE your data set: permanently delete a data set;

4. Contact ERLAP

The need for an independent reference laboratory dealing with air pollution monitoring questions led to the creation of the *European Reference Laboratory for Air Pollution (ERLAP)* at Joint Research Centre. ERLAP contributes to the development and correct implementation of Air Quality Directives in Europe.

ERLAP works on the harmonisation and standardisation of measurement techniques, develops reference and equivalent measurement methods and organizes PT schemes in support to the European Commission's air quality policy.

European Reference *Laboratory* for Air Pollution (*ERLAP*)
Joint Research Centre - European Commission
Via E. Fermi, 2749 - I-21027 ISPRA (VA)

Email: jrc-erlap@ec.europa.eu

As the Commission's in-house science service, the Joint Research Centre's mission is to provide EU policies with independent, evidence-based scientific and technical support throughout the whole policy cycle.

Working in close cooperation with policy Directorates-General, the JRC addresses key societal challenges while stimulating innovation through developing new standards, methods and tools, and sharing and transferring its know-how to the Member States and international community.

Key policy areas include: environment and climate change; energy and transport; agriculture and food security; health and consumer protection; information society and digital agenda; safety and security including nuclear; all supported through a cross-cutting and multi-disciplinary approach.