EUROPEAN
FOOD
SAFETY
AUTHORITY

DIETEX PUBLIC CONSULTATION GUIDE

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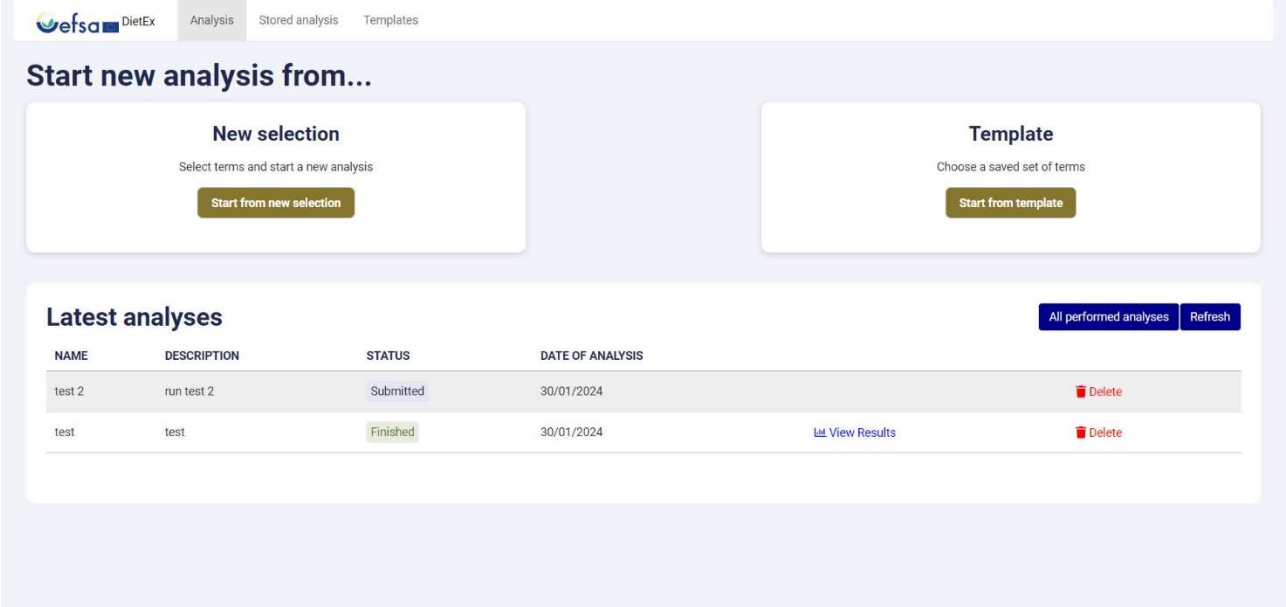
DIETEX PUBLIC CONSULTATION GUIDE

FRONTEND

1 START SCREEN

When you launch the app, the first thing you'll encounter is the start screen.

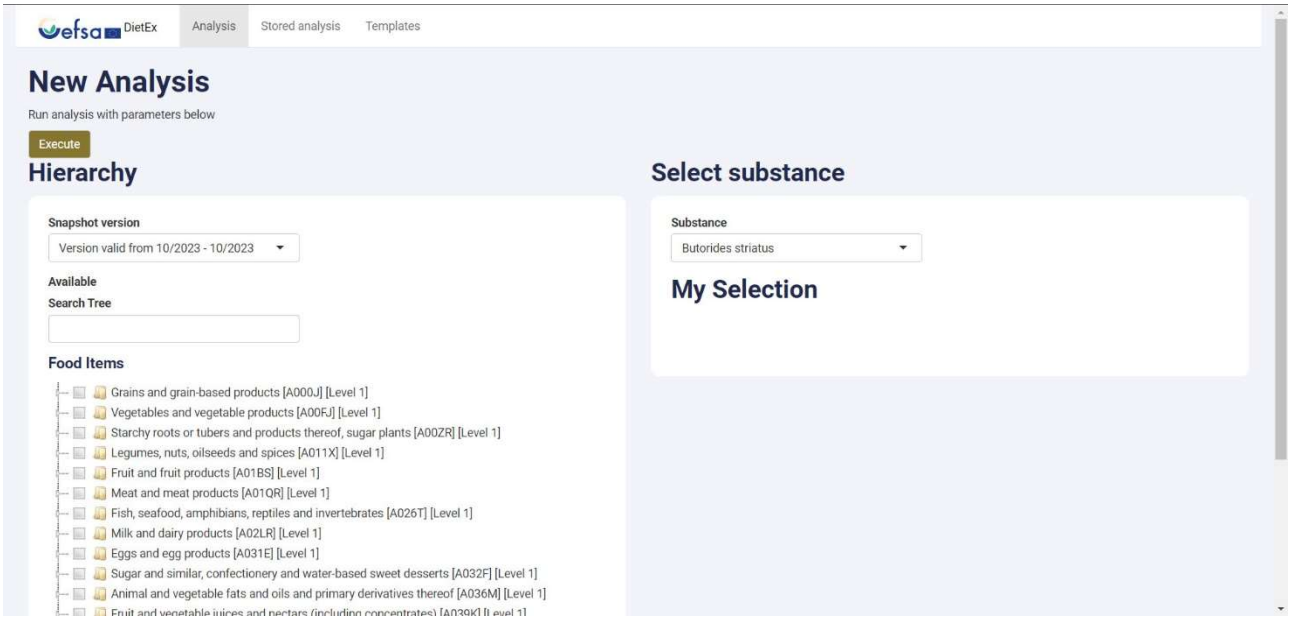


On this screen, you have several options:

- Start a new analysis from a new selection
- Start a new analysis from a template
- Open or delete existing analyses

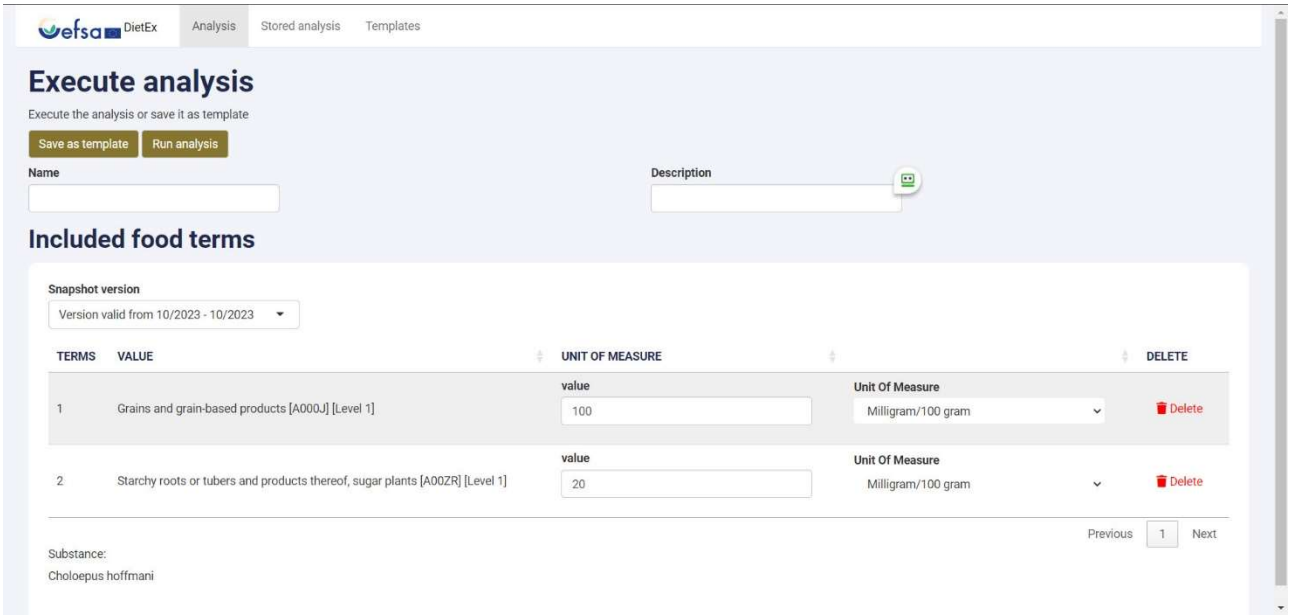
2 STARTING A NEW ANALYSIS FROM A NEW SELECTION

Clicking on the "Start from new selection" button takes you to the screen where you can choose the required FoodEx2 items:



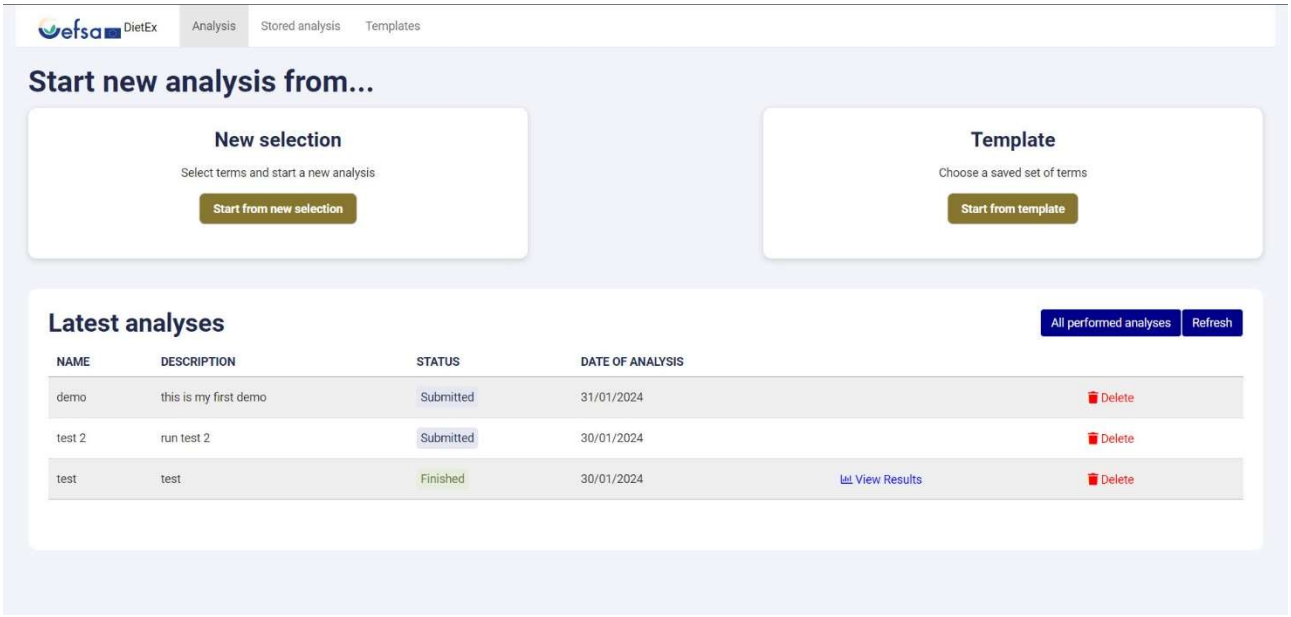
You have two ways to find FoodEx2 items: you can navigate through the hierarchical tree and select items or you can select the foods at the level of specificity desired, knowing that a selection of two elements connected by a branch relationship in the tree (ancestor-child or parent-child relationship) is not allowed, in this case an error message will appear in the right side panel. The search field allows you to search by words, level, and code. Your selections will appear on the right side of the screen. Additionally, you can select a substance on the right side of the screen. Once you've chosen all necessary parameters, click "Execute" to proceed.

On the following screen, the selected items will be listed, and you'll need to specify the amount and unit of measurement for each item. You can also remove a FoodEx2 item if desired.



In the two top fields, you must enter a name and description to store the analysis in your account. After that, you can choose to save it as a template or run the analysis using the

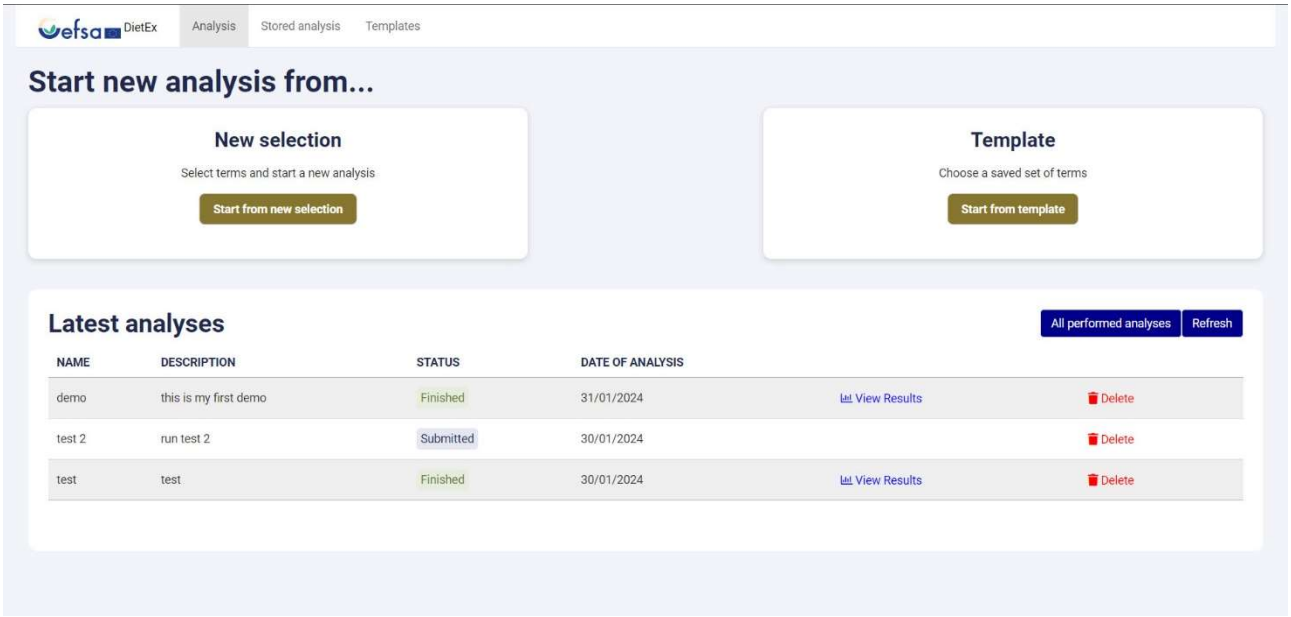
buttons at the top left. If you opt to save it as a template, you'll need to provide a name and description for the template, which can be the same or different from those of your analysis. The saved template will be accessible to create new analyses from. Clicking on "Run analysis" processes the data, and you'll be redirected to the start screen where you can monitor the status of your analysis:



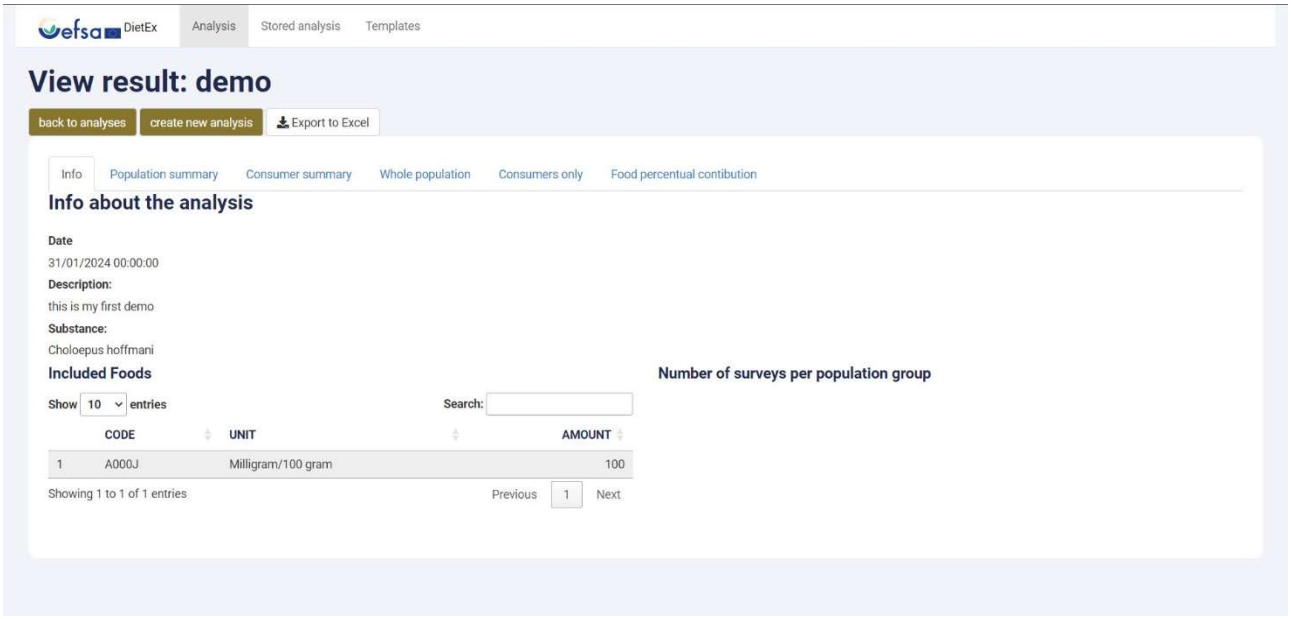
The status field can have one of three different values:

- Submitted: Indicates that the analysis is currently running.
- Finished: Indicates that the analysis has been successfully completed.
- Failed: Indicates that the analysis has encountered an error and has failed.

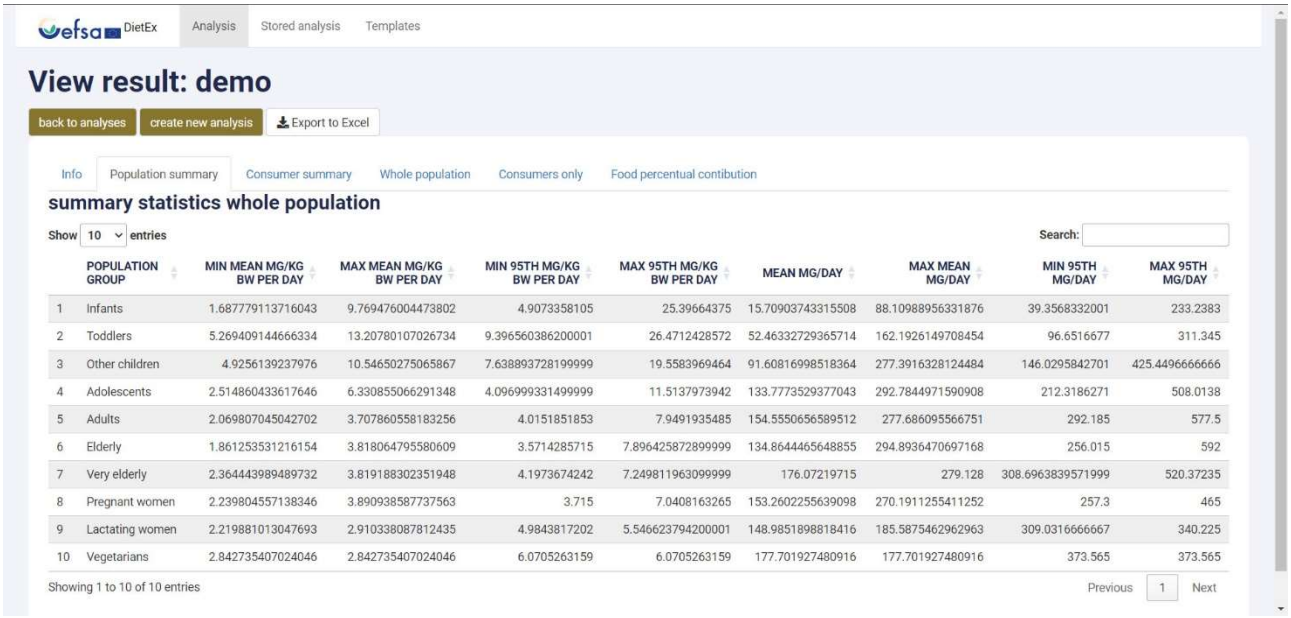
The status will transition from "Submitted" to one of the other two values as soon as the analysis is completed, which may take up to 60 seconds:



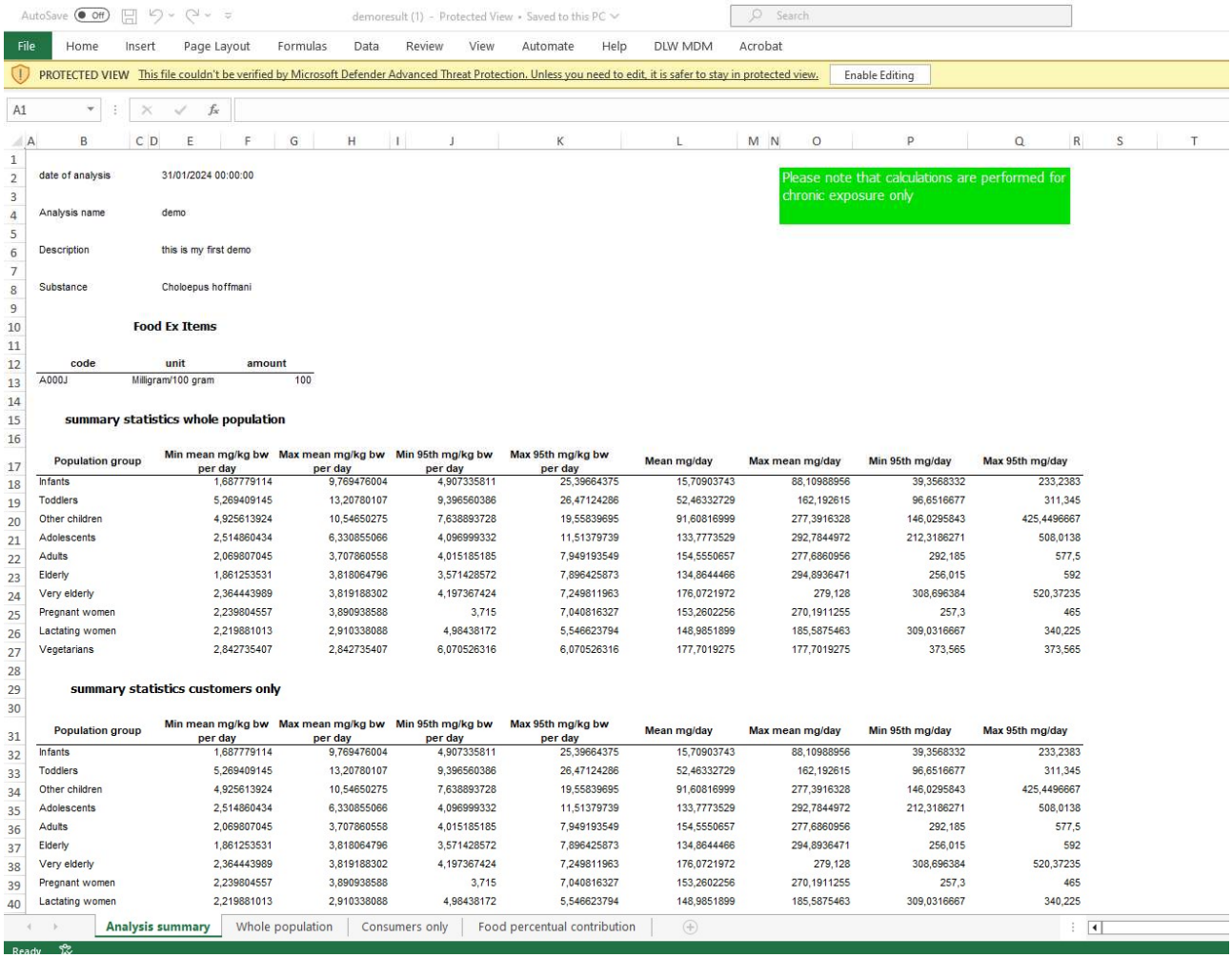
Clicking on "View results" in the row of a finished analysis will redirect you to the results page:



Initially, you'll encounter all the key information about the analysis, such as the date, description, and the selected FoodEx2 items. Following this, you can choose from various other results of the analysis, such as the summary on population or consumer level, the complete results of the entire population or the consumers, and the percentage contribution of each FoodEx2 item:



Additionally, you have the option to export these results to an Excel file. Each tab in the Excel file will correspond to a specific set of results:



date of analysis 31/01/2024 00:00:00

Analysis name demo

Description this is my first demo

Substance Choloepus hoffmani

Please note that calculations are performed for chronic exposure only

Food Ex Items

code	unit	amount
A000J	Milligram/100 gram	100

summary statistics whole population

Population group	Min mean mg/kg bw per day	Max mean mg/kg bw per day	Min 95th mg/kg bw per day	Max 95th mg/kg bw per day	Mean mg/day	Max mean mg/day	Min 95th mg/day	Max 95th mg/day
Infants	1,687779114	9,769476004	4,907335811	25,39664375	15,70903743	88,10988956	39,3568332	233,2383
Toddlers	5,269409145	13,20780107	9,396560386	26,47124286	52,46332729	162,192615	96,6516677	311,345
Other children	4,925613924	10,54650275	7,638893728	19,55839695	91,60816999	277,3916328	146,0295843	425,4496667
Adolescents	2,514860434	6,330855066	4,096999332	11,51379739	133,7773529	292,7844972	212,3186271	508,0138
Adults	2,069807045	3,707860558	4,015185185	7,949193549	154,5550657	277,6860956	292,185	577,5
Elderly	1,861253531	3,818064796	3,571428572	7,896425873	134,8644466	294,8936471	256,015	592
Very elderly	2,364443989	3,819188302	4,197367424	7,249811963	176,0721972	279,128	308,696384	520,37235
Pregnant women	2,239804557	3,890938588	3,715	7,040816327	153,2602256	270,1911255	257,3	465
Lactating women	2,219881013	2,910338088	4,98438172	5,546623794	148,9851899	185,5875463	309,0316667	340,225
Vegetarians	2,842735407	2,842735407	6,070526316	6,070526316	177,7019275	177,7019275	373,565	373,565

summary statistics customers only

Population group	Min mean mg/kg bw per day	Max mean mg/kg bw per day	Min 95th mg/kg bw per day	Max 95th mg/kg bw per day	Mean mg/day	Max mean mg/day	Min 95th mg/day	Max 95th mg/day
Infants	1,687779114	9,769476004	4,907335811	25,39664375	15,70903743	88,10988956	39,3568332	233,2383
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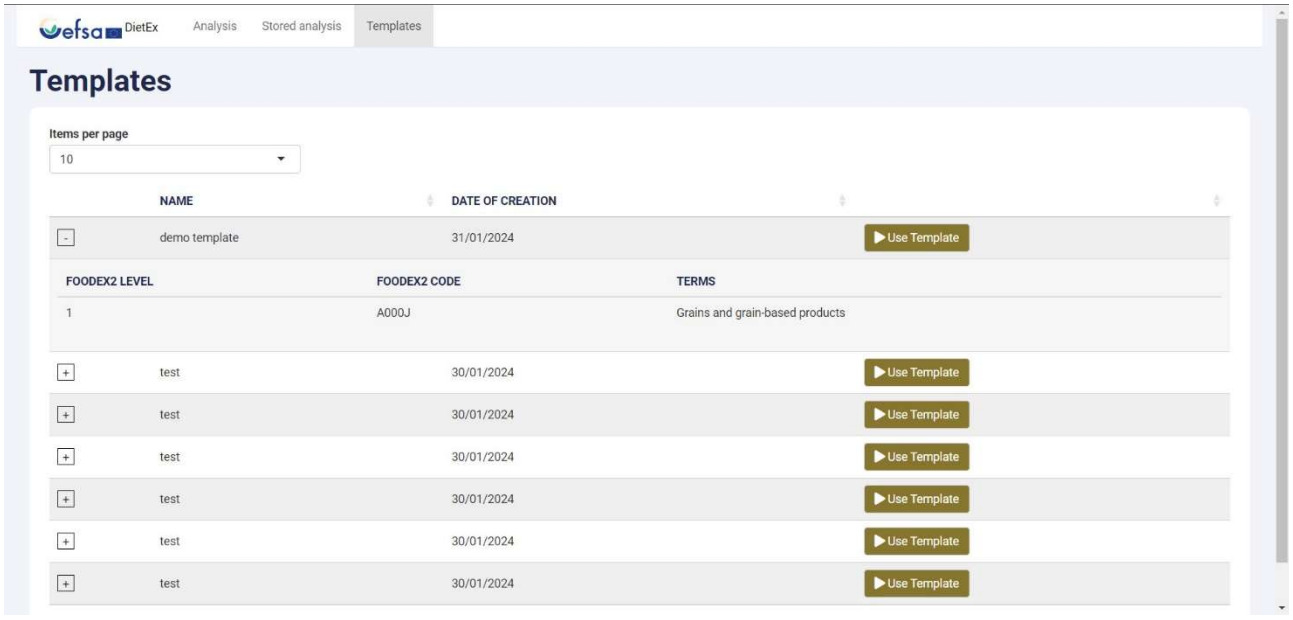
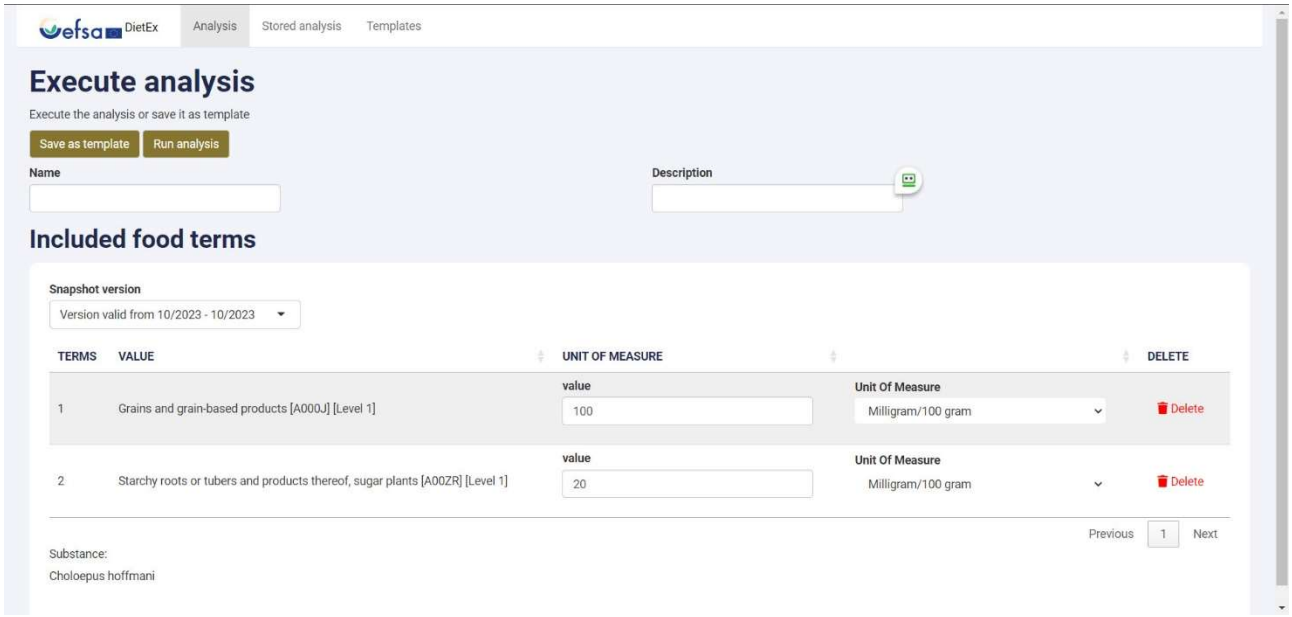
Lactating women	2,219881013	2,910338088	4,98438172	5,546623794	148,9851899	185,5875463	309,0316667	340,225

3 STARTING A NEW ANALYSIS FROM A TEMPLATE

If you click on "Start from template" on the start screen, you'll be directed to a page displaying your saved templates. Here, you can view the selected FoodEx2 items before proceeding:



Clicking on "Use template" will redirect you to the same screen as when starting from a new selection. Here, you'll need to enter the amounts for the selected items:



From this stage onward, the process remains identical.

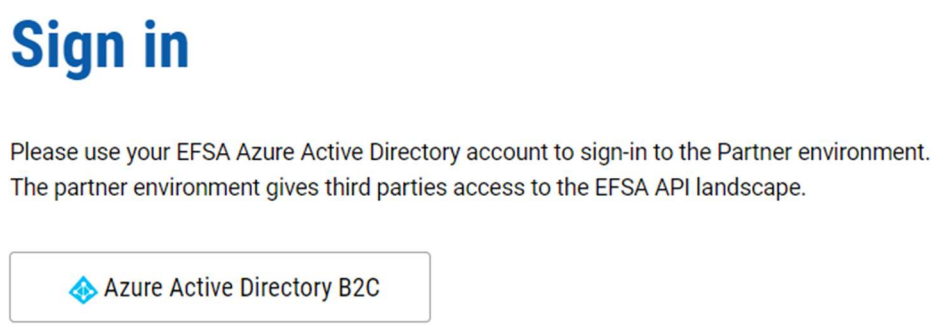
API MANAGEMENT (API-FIRST)

The DietEx API's are also available to be called directly, should it be desired. The API's are integrated into the API management developer portal for ease of use.

4 ACCESSING THE DEVELOPER PORTAL

The developer portal is accessible at **https://developers.efsa.europa.eu/**.

In order to gain access to the API's, you must log in to the developer portal using B2C. Click on **Sign in** in the top right and then click on **Azure Active Directory B2C**. Follow the prompt.

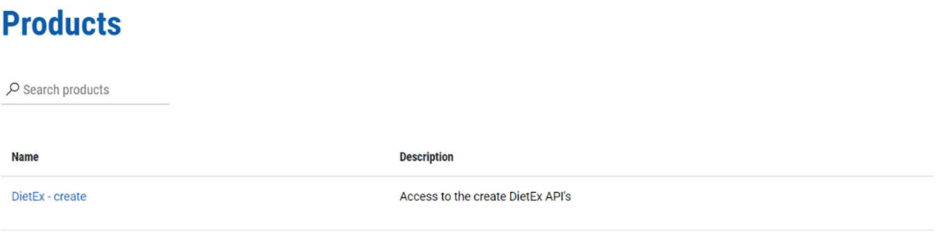


Note: due to a glitch in API management, it is possible you are met with an error screen when going to the sign in page. You may dismiss this error.

5 SUBSCRIBING TO THE API'S

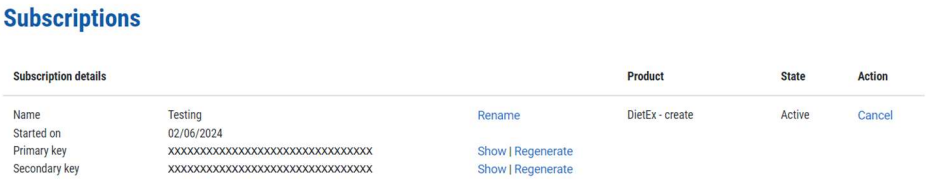
When logged in, you are able to access the "Products" page.

Here, you will notice a DietEx product.



Click open the product. You are then able to subscribe to it and generate subscription keys.

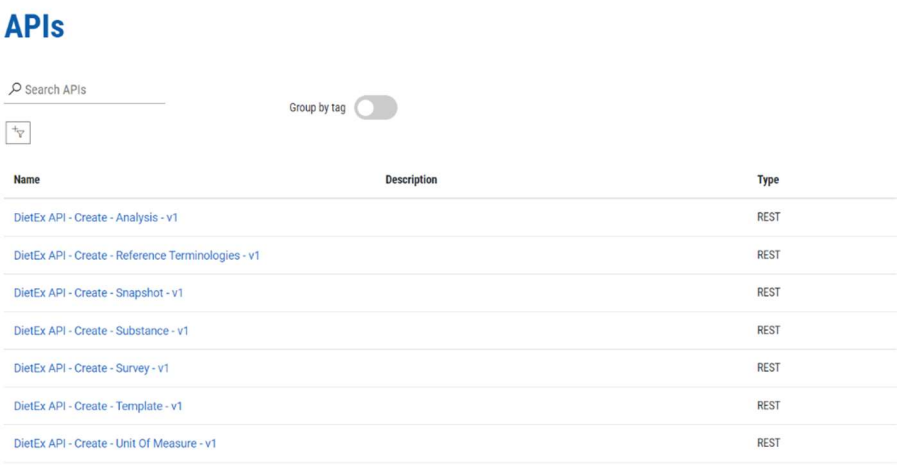
After entering a name for your subscription and clicking **Subscribe**, you are directed to your profile where you will see your new subscription.



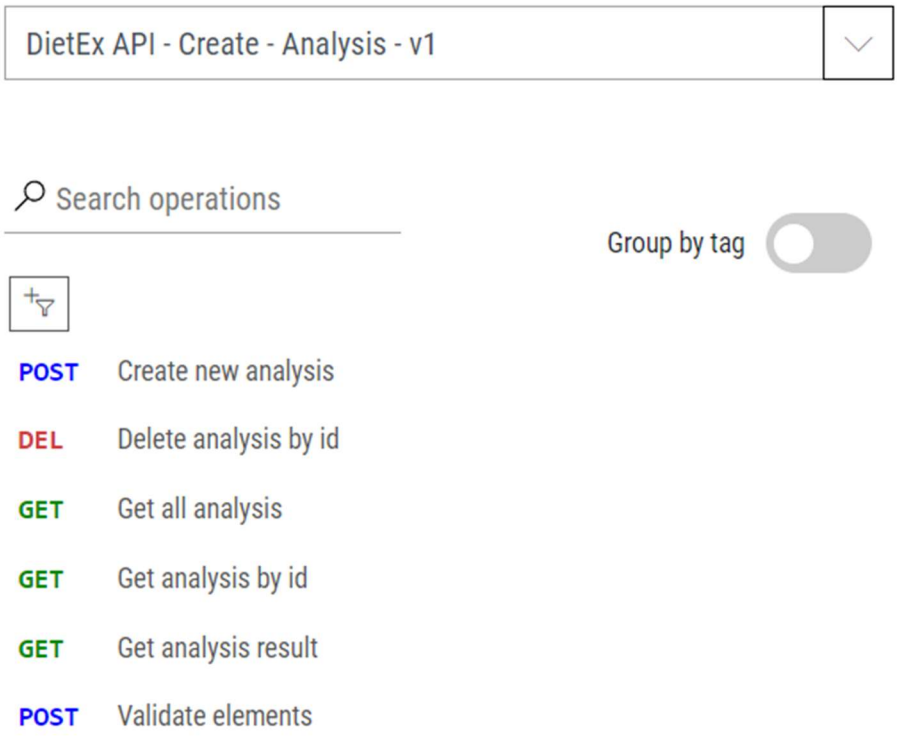
Note that a subscription key is only the first layer. In order to use the API's, you must also authenticate via B2C.

6 USING THE API'S

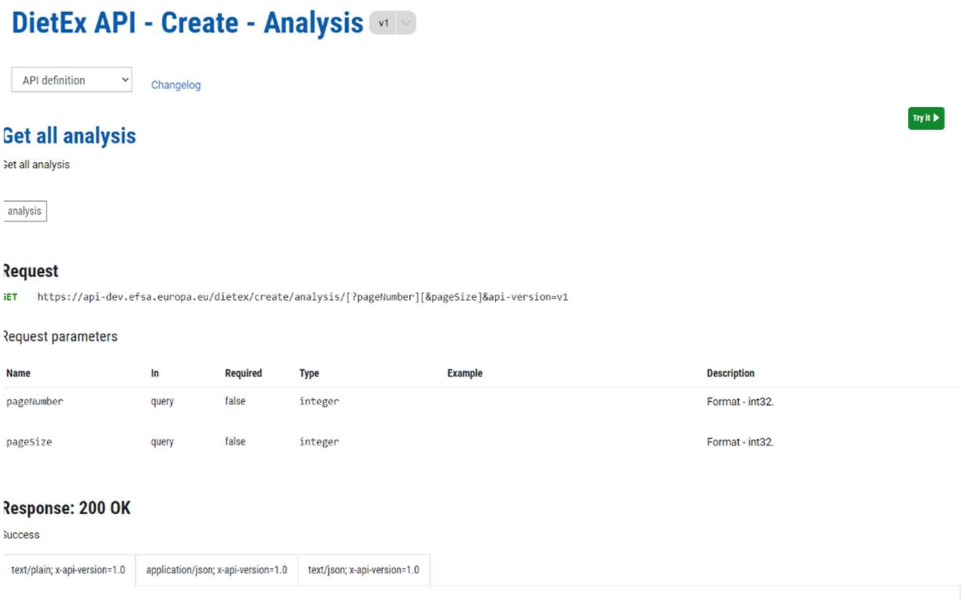
Navigate to the API's tab. Here you will find all the different DietEx API's available to you (after subscribing).



Click on one of the API's. You will then see all the different operations you can do.

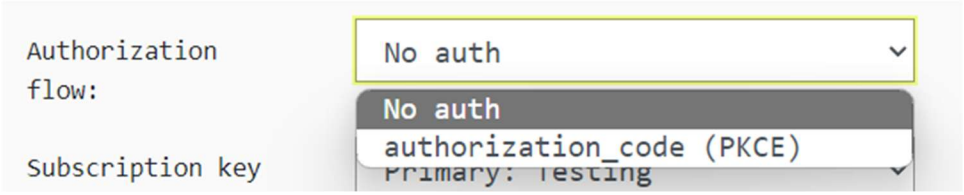


If you click one of them open, you will be met with all the documentation about it.



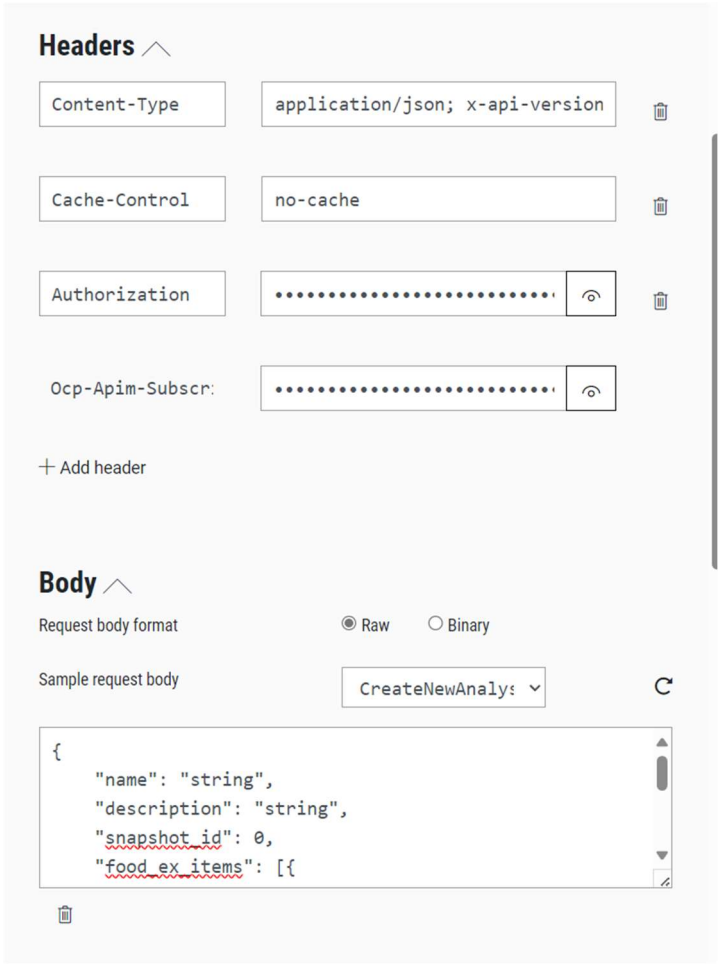
In order to use the API, you can use the 'Try it' button on the top right.

To generate a Bearer token and authenticate towards the API's, you must select 'authorization_code (PKCE)' in the drop-down list by 'Authorization flow'.



You will then have to authenticate with B2C again. **Note that this flow is not the same as the log-in for the developer portal. You can use a different account or the same one.**

You can then fill in the details of the request, some might be pre-filled per documentation, and scroll down to "Send". You will then get a response.



HTTP response

```
HTTP/1.1 200 OK

api-supported-versions: 1.0
content-type: application/json; charset=utf-8; x-api-version=1
date: Tue, 06 Feb 2024 10:21:27 GMT
vary: Origin

{
    "data": {
        "current_page": 1,
        "total_pages": 1,
        "page_size": 10,
        "total_count": 1,
        "items": [{
            "id": 1,
            "name": "[redacted] test",
            "description": "testing analyses",
            "created_at": "2024-02-02T12:31:32.2951954",
            "status": "Finished"
        }],
        "has_previous": false,
        "has_next": false
    },
    "info": {
        "version": "1.0.0"
    },
    "error": null
}
```

7 USING A LOCAL API CLIENT

There is no direct support for generating a Bearer token in a local API client (like Postman) or for system-to-system integration.

If you want to use a local API client, you must generate a Bearer token via the portal using the aforementioned procedure and use that locally.

If you want to reveal the Bearer token after generation, you can do so by scrolling down and clicking **Reveal secrets**.

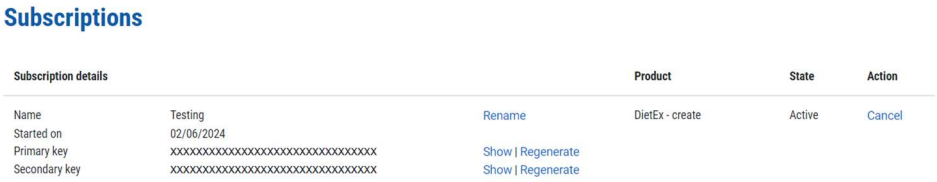
You can then use the Bearer token and place it in the Authorization header. You will have to construct the request based on the documentation provided.

8 SUBSCRIPTION KEY

Note that, when using a local client, you must also pass along your personal subscription key.

You can do this as described above by revealing secrets.

Alternatively, go to the **Profile** tab. Here you can find your subscriptions.



You can then show the key. You must add it to your request with “Ocp-Apim-Subscription-Key” as header.