

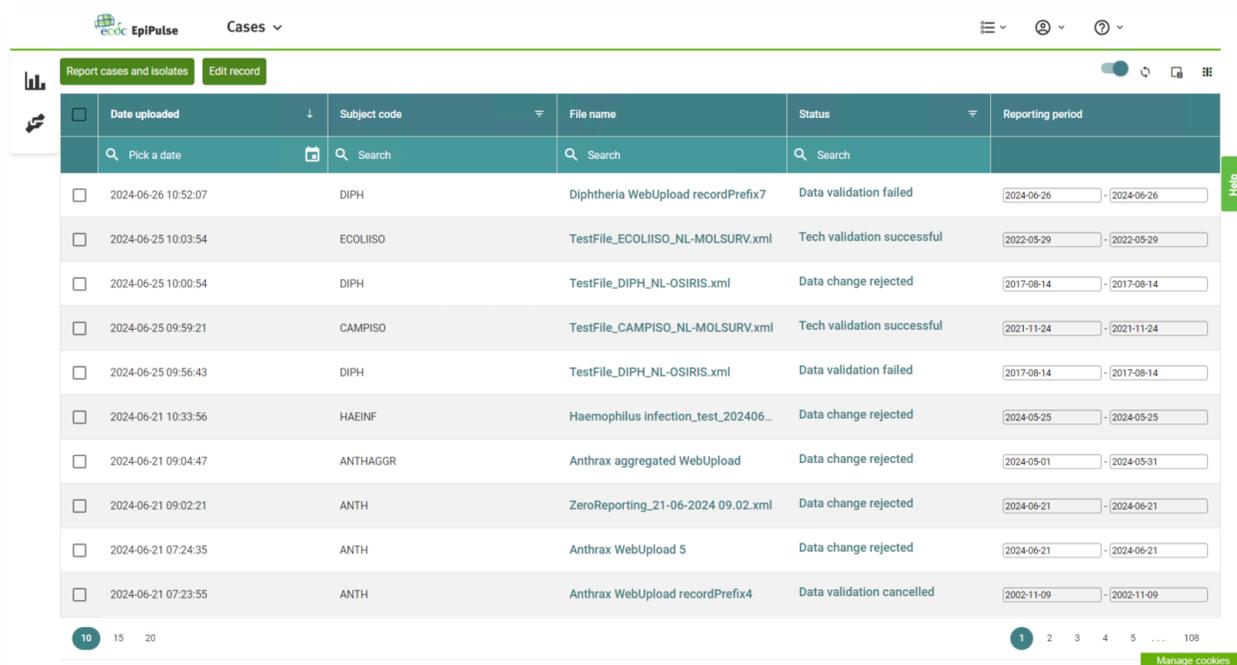
## EpiPulse Cases.

Quick guide.

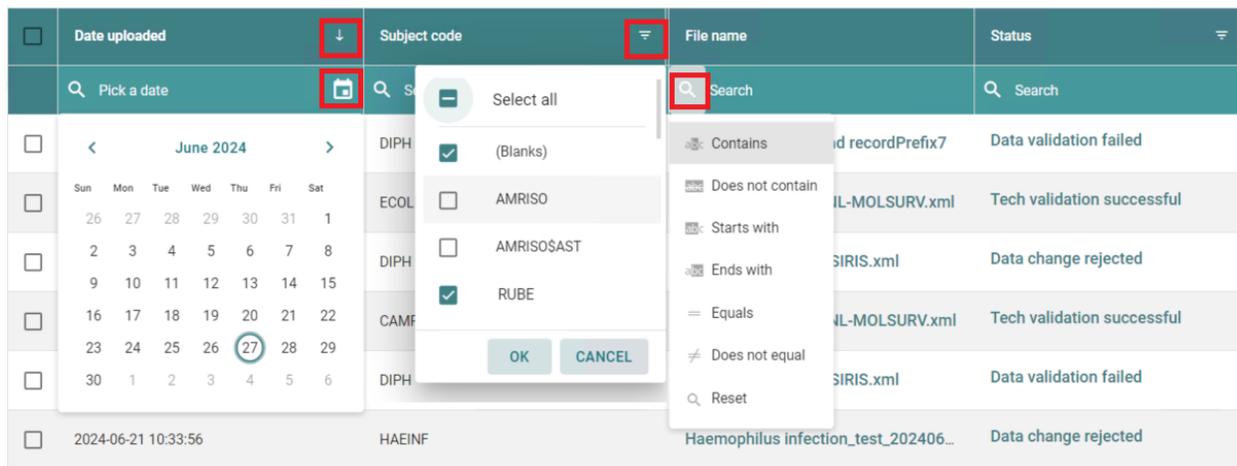
The new design of EpiPulse Cases is the first step of improving user experience during submitting epidemiological surveillance data for the communicable diseases and related special health issues.

A new (single page) EpiPulse Cases application is available for the users.

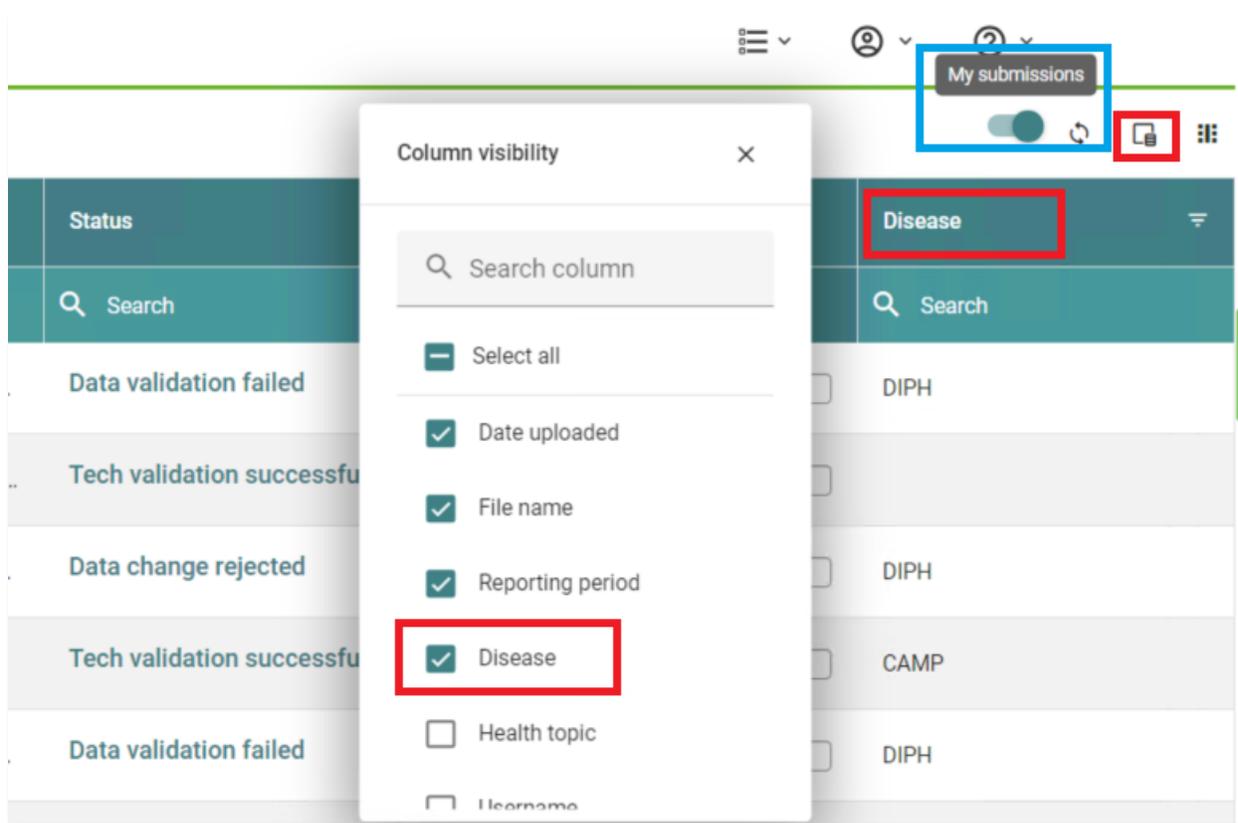
When a nominated user selects to use the new EpiPulse Cases lands in the main page of the application (called “Submissions page”):



This page provides an overview of the current state of the already submitted data, with some useful searching or sorting functionalities:

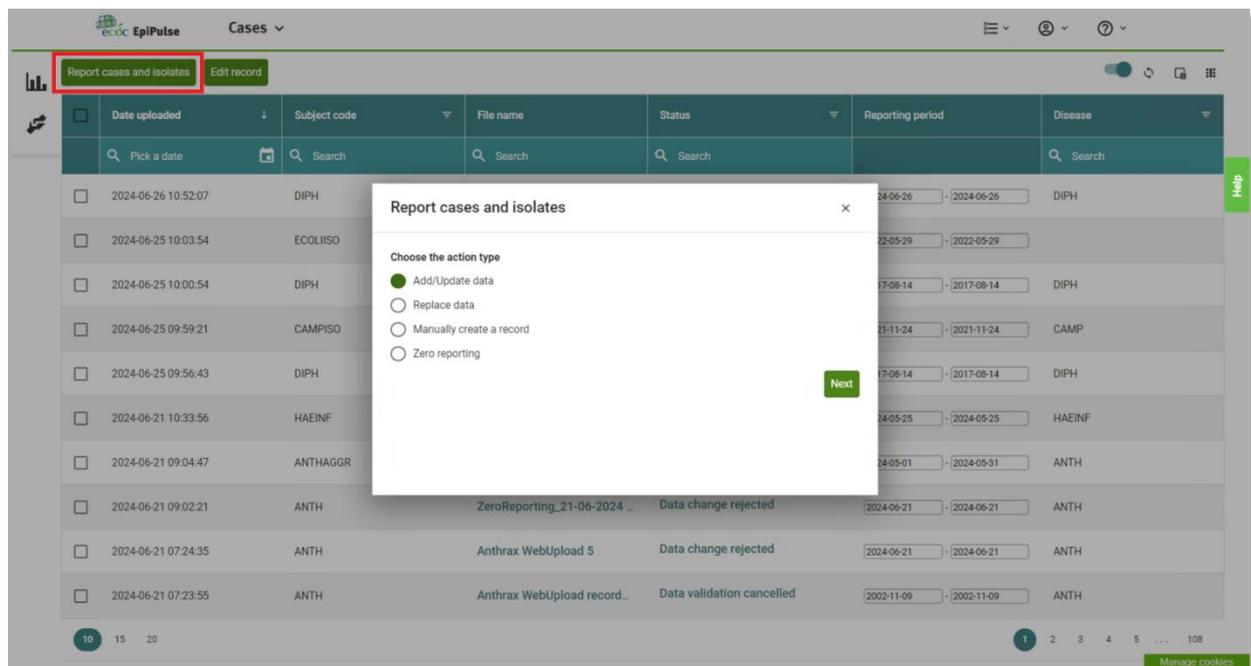


Additional functionalities for the way information appears is also available. The user is able to add or remove columns or select to view only files uploaded from the current user:



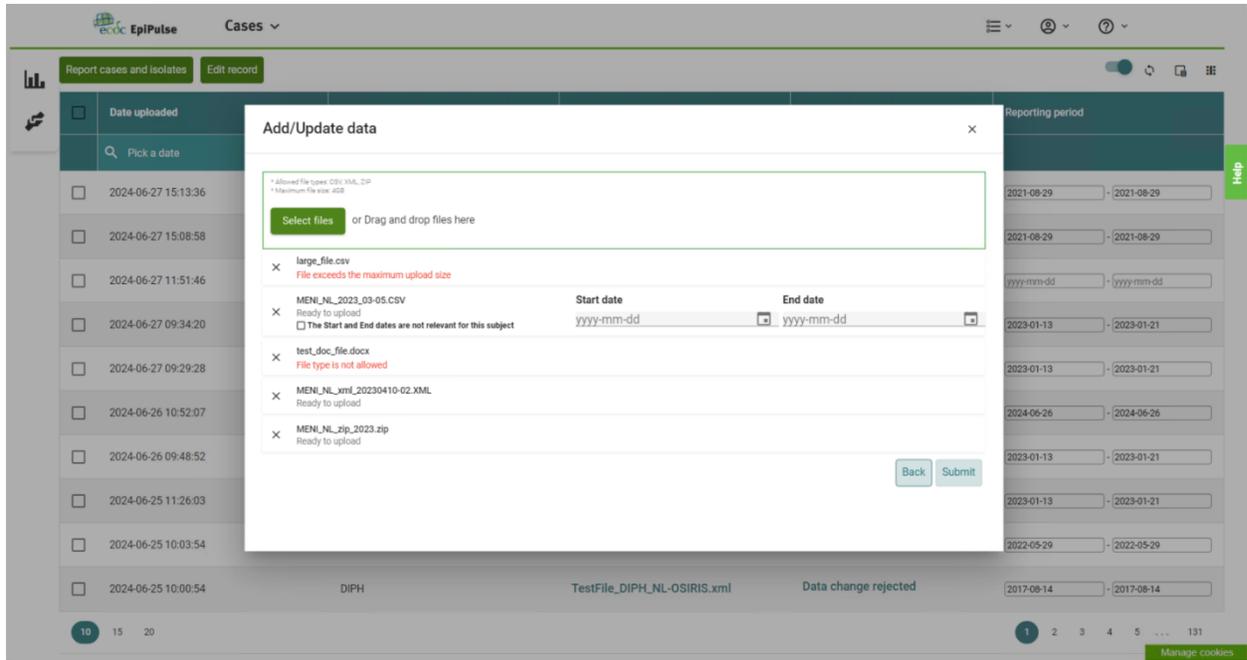
Multiple options are available for the user to upload data.

Depending on the permissions of the user, all or some of the following options are available:



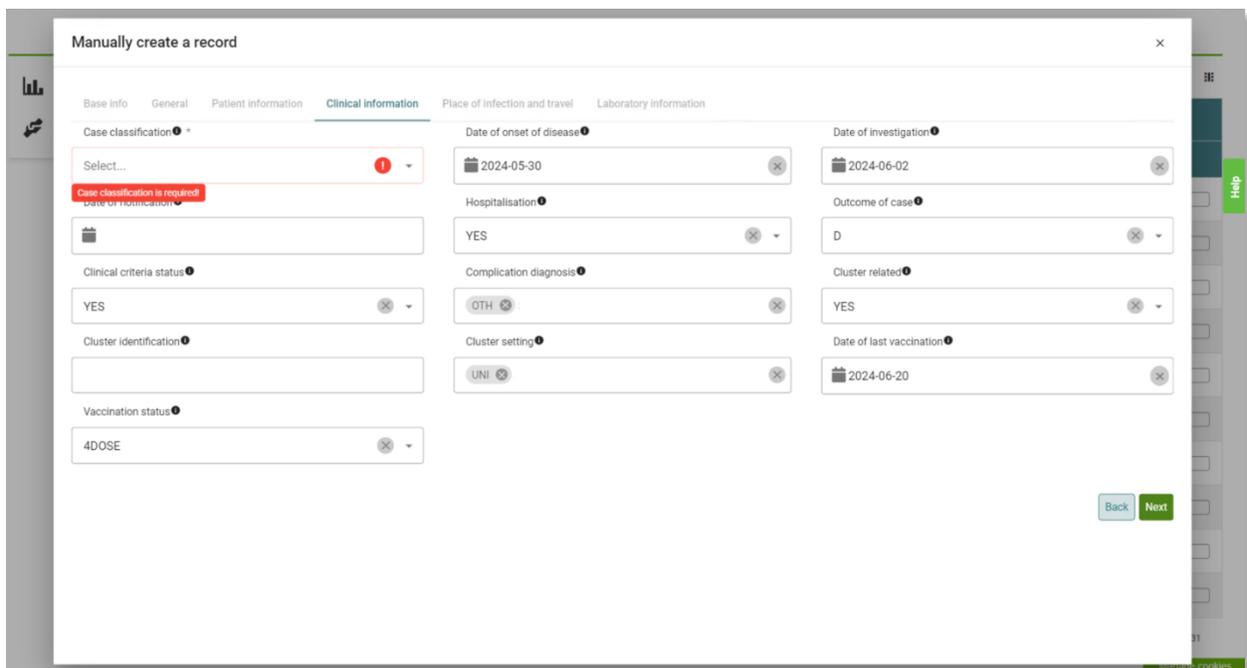
The user can upload data (for both “Add/Update” or “Replace” upload action types) by using three different types of files: csv, xml or zip (that contain csv or/and xml files).

The application automatically performs all required checks, so that the user could proceed with the upload:



The user can also create manually the required data submission, using the “Manually create” and/or “Zero reporting” functionalities.

A wizard, using all required fields as specified in metadata, will help user fill the data. Auto-validation functionality during the process helps user avoid errors:





The user can proceed through the flow by using an emerging floating “actions” bar:

Report cases and isolates		Edit record					
Date uploaded	Subject code	File name	Status	Reporting period	Disease		
<input type="checkbox"/> 2024-06-26 10:52:07	DIPH	Diphtheria WebUpload reco...	Data validation failed	2024-06-26 - 2024-06-26	DIPH		
<input checked="" type="checkbox"/> 2024-06-25 10:03:54	ECOLIISO	TestFile_ECOLIISO_NL-MOL...	Tech validation successful	2022-05-29 - 2022-05-29			
1 item selected							
<input type="button" value="Upload WGS files"/> <input type="button" value="Hierarchical file validation"/> <input type="button" value="Discard"/> <input type="button" value="Start data validation"/>							
<input type="checkbox"/> 2024-06-25 09:59:21	CAMPISO	TestFile_CAMPISO_NL-MO...	Tech validation successful	2021-11-24 - 2021-11-24	CAMP		

The actions appearing are controlled by configuration related to the combination of rules for each file selected (submission status, subjectcode etc.) and the user’s permissions:

Report cases and isolates		Edit record					
Date uploaded	Subject code	File name	Status	Reporting period	Disease		
<input type="checkbox"/> 2024-06-26 10:52:07	DIPH	Diphtheria WebUpload reco...	Data validation failed	2024-06-26 - 2024-06-26	DIPH		
<input checked="" type="checkbox"/> 2024-06-25 10:03:54	ECOLIISO	TestFile_ECOLIISO_NL-MOL...	Tech validation successful	2022-05-29 - 2022-05-29			
2 items selected							
<input type="button" value="Discard"/> <input type="button" value="Start data validation"/>							
<input checked="" type="checkbox"/> 2024-06-25 09:56:43	DIPH	TestFile_DIPH_NL-OSIRIS.x...	Data validation failed	2017-08-14 - 2017-08-14	DIPH		

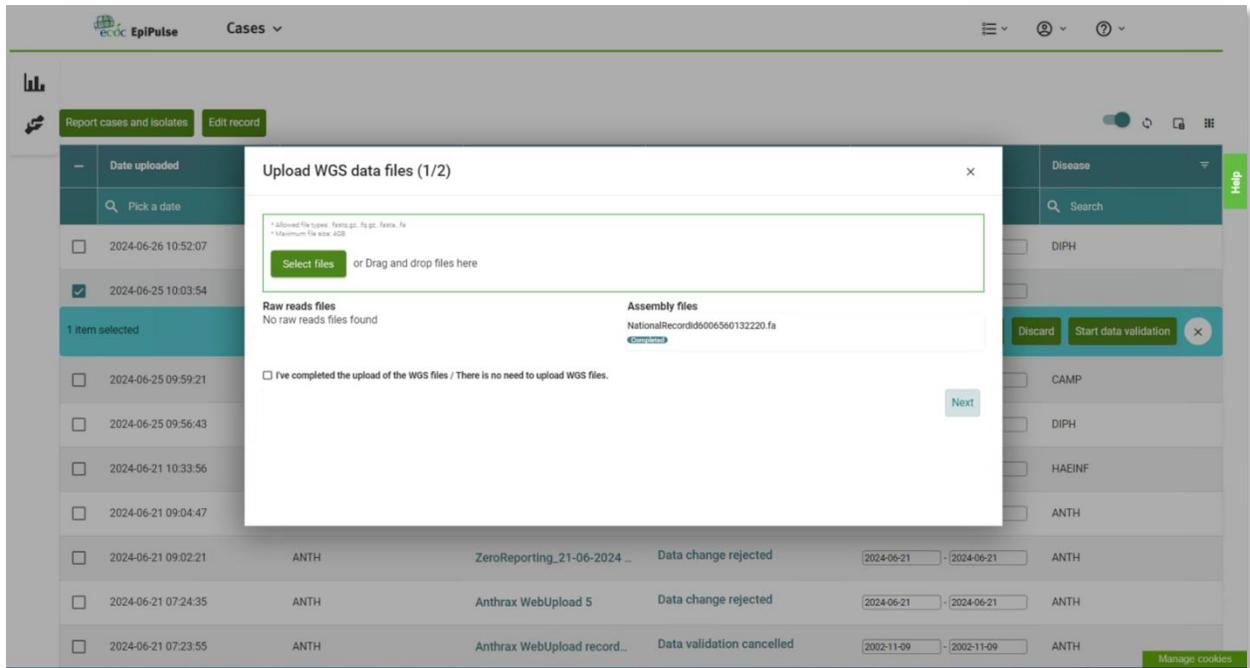
The reporting of molecular surveillance and required WGS data (Raw reads and/or Assembly files) is also a user-friendly process for the user.

Data could be uploaded using some of the options mentioned above and/or as a hierarchy of datasets which is used to submit complex files:

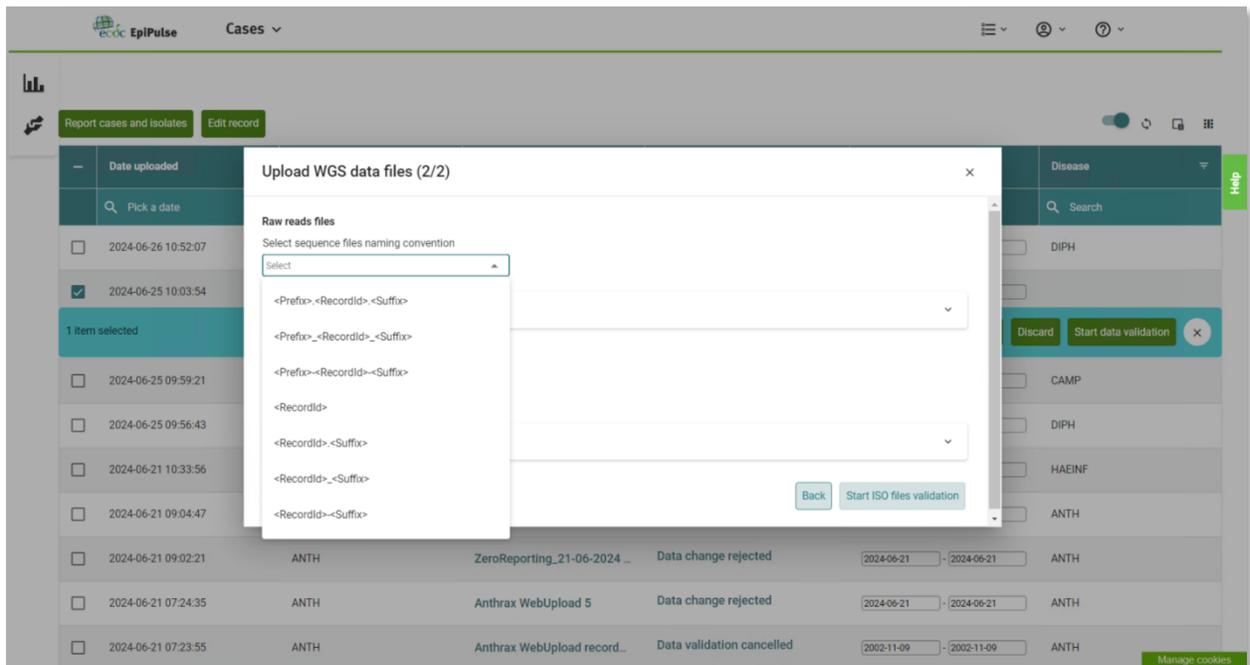
Report cases and isolates		Edit record					
Date uploaded	Subject code	File name	Status	Reporting period			
<input checked="" type="checkbox"/> 2024-07-05 08:58:53	AMRISOAMRISOSAST	1.AMRISO_NL_20240408_171259_CSV,2.AMRISO_NLAMRISO_AST_NL_2...	Tech validation successful	2023-01-13 - 2023-01-21			
1 item selected							
<input type="button" value="Upload WGS files"/> <input type="button" value="Hierarchical file validation"/> <input type="button" value="Discard"/> <input type="button" value="Start data validation"/>							
<input type="checkbox"/> 2024-07-05 14:43:00	AMRISO	TestFile_AMRISO_NL-AMRISO.xml	Tech validation successful	2021-08-29 - 2021-08-29			
<input type="checkbox"/> 2024-07-05 12:51:18	AMRISOAMRISOSAST	1.AMRISO_NL_20240408_171259.CSV,2.AMRISO_NLAMRISO_AST_NL_20...	Data validation failed	2023-01-13 - 2023-01-21			
<input type="checkbox"/> 2024-07-04 09:03:00	AMRISO	AMRISO_NL_xml_20240704_104823.XML	Data change rejected	2023-01-13 - 2023-01-20			
<input type="checkbox"/> 2024-07-04 09:00:17	AMRISO	AMRISO_NL_xml_20240704_104823.XML	Tech validation failed	yyyy-mm-dd - yyyy-mm-dd			
<input type="checkbox"/> 2024-07-04 08:58:53	AMRISO	AMRISO_NL_xml_20240704_104823.XML	Tech validation failed	yyyy-mm-dd - yyyy-mm-dd			

Or, in case of additional data required, after selecting the related action from the actions bar, a pop-up window guides the user to the next steps.

Uploading the WGS data files, using the related window:

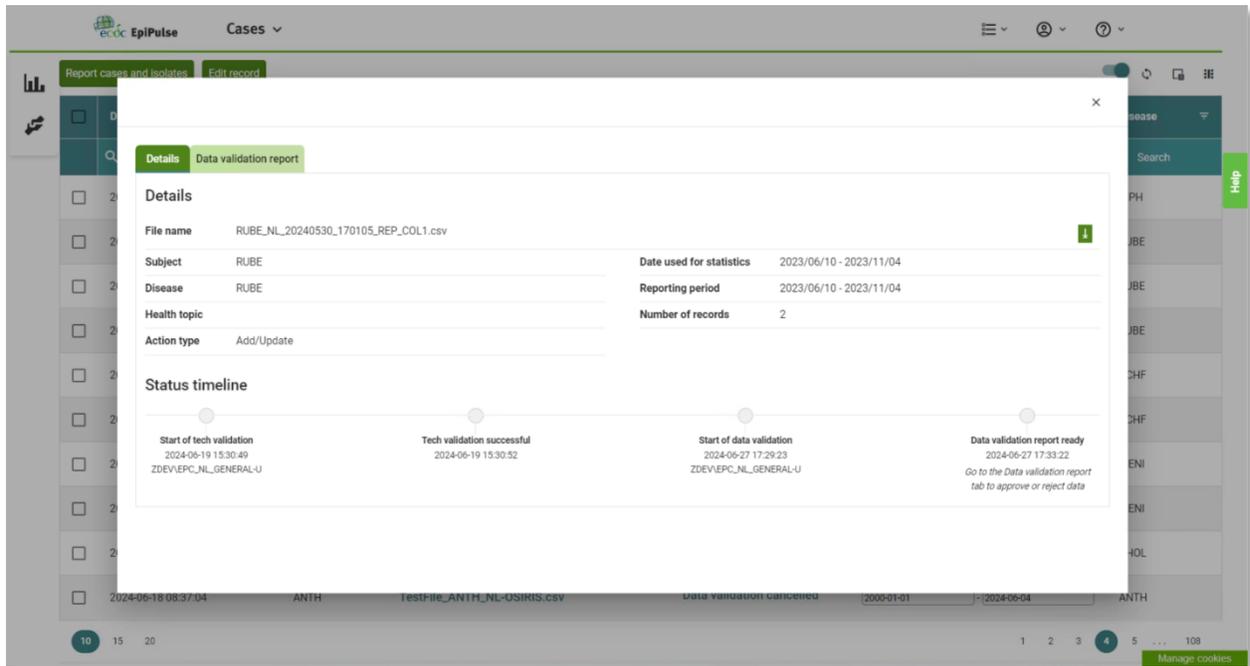


And then, after using the required genomic files naming conventions, proceed to the WGS file validation:

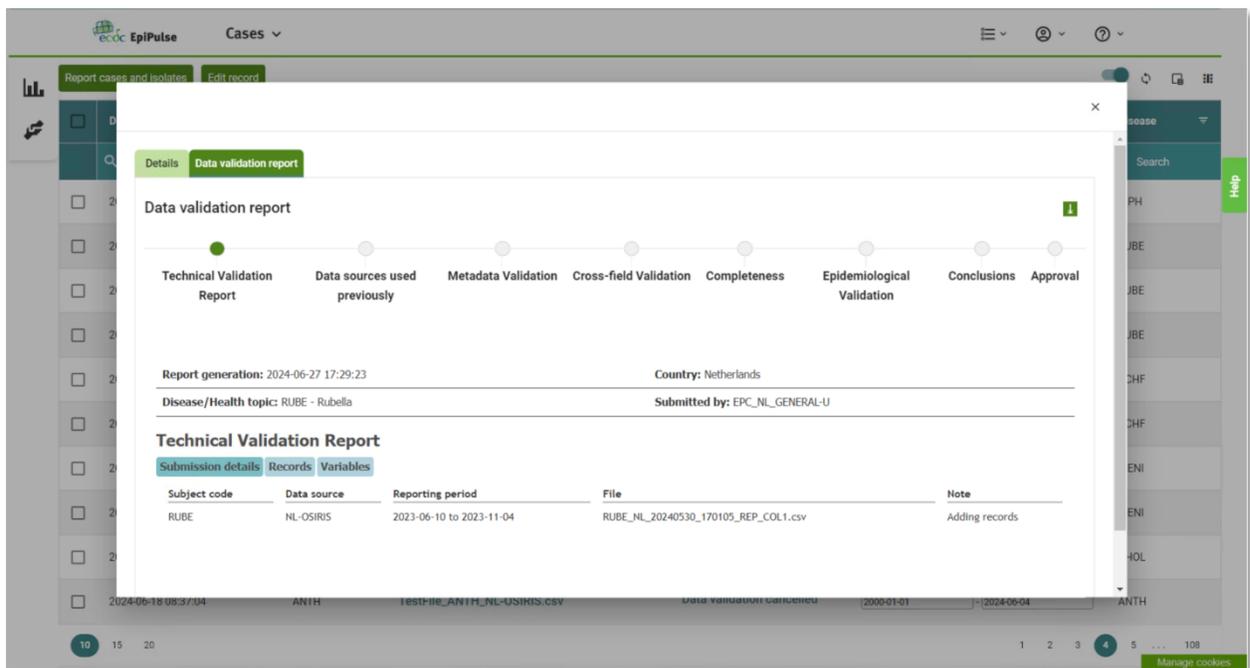




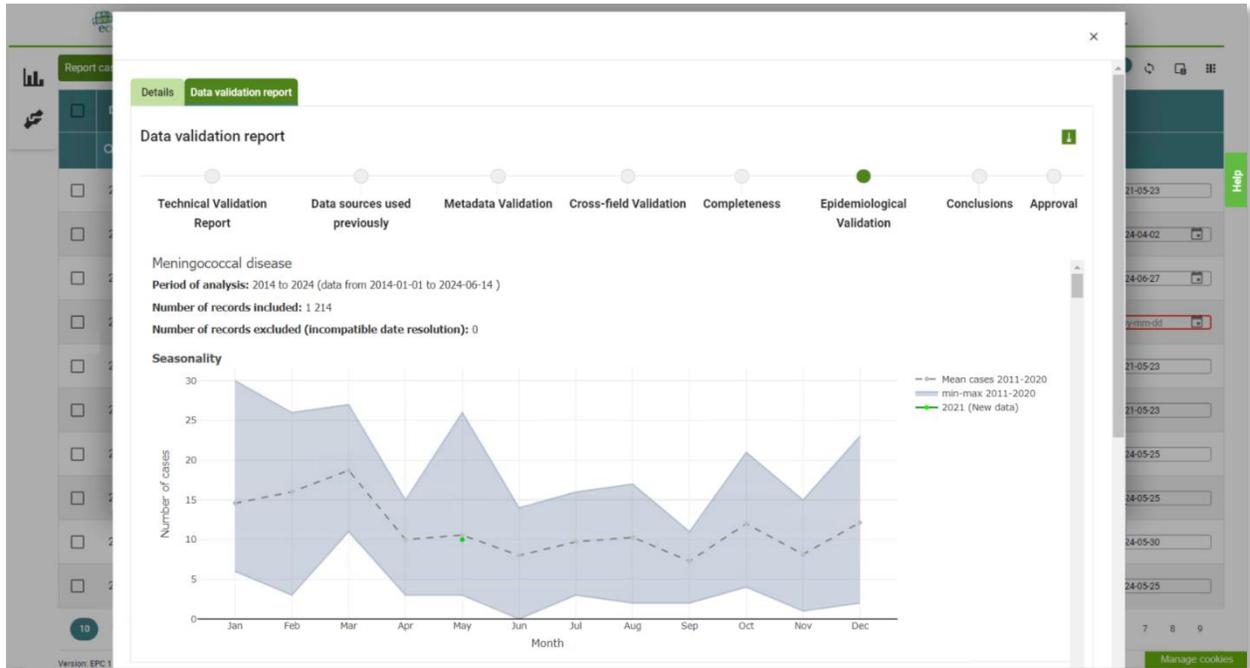
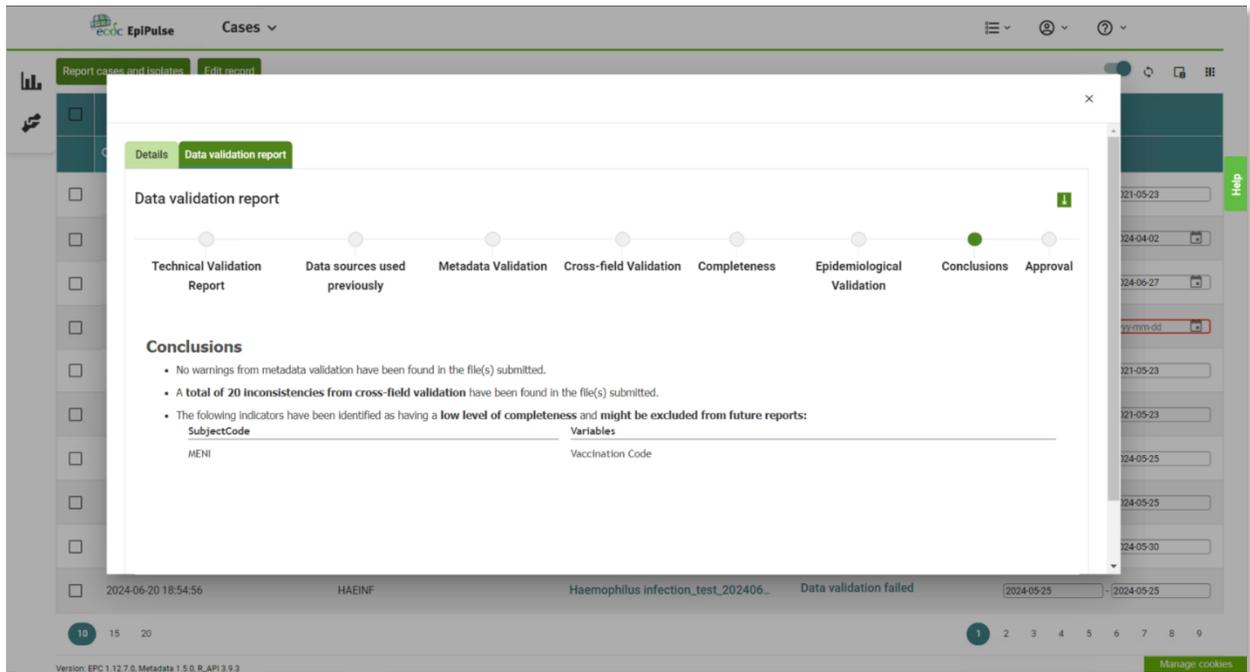
During the submission flow for both types, epidemiological and molecular surveillance, user can follow up the progress of his submission(s) and view details of the current submission state as well as some useful information about the content of the submitted file and the timeline of the previous steps:



Viewing “Data validation report” is the next-to-last step in order for the user to conclude with the submission of the data:



The user reviews information included in the report:

**Data validation report**

Technical Validation Report | Data sources used previously | Metadata Validation | Cross-field Validation | Completeness | Epidemiological Validation | **Conclusions** | Approval

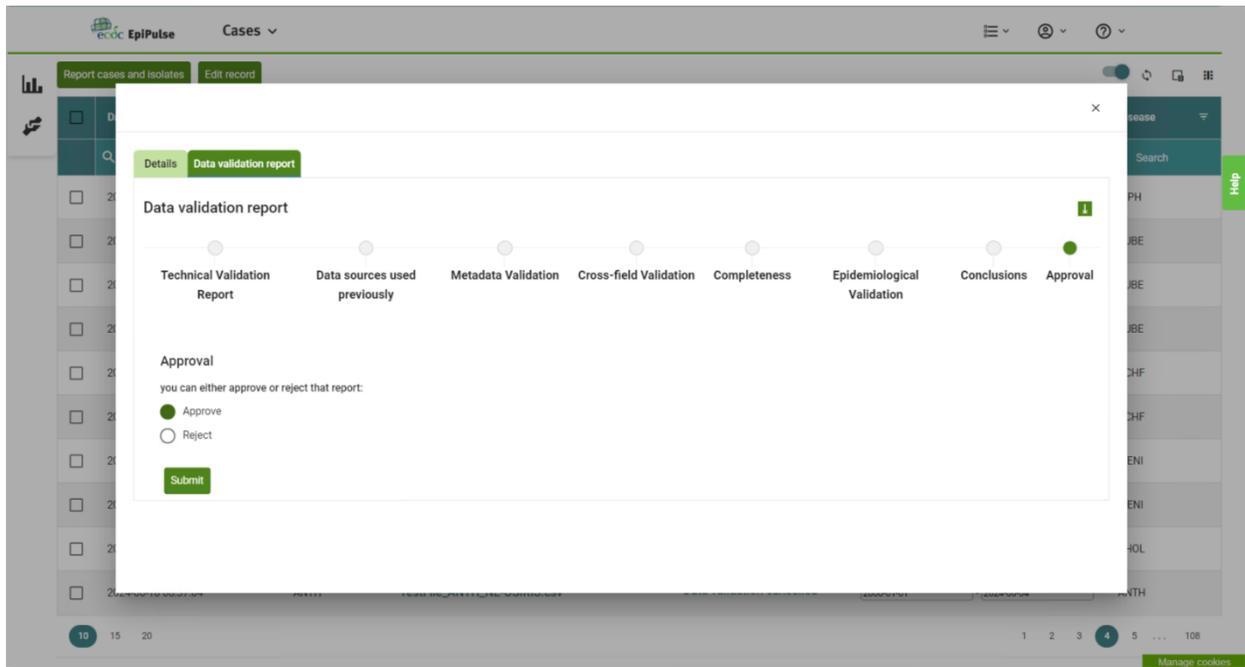
**Conclusions**

- No warnings from metadata validation have been found in the file(s) submitted.
- A total of 20 inconsistencies from cross-field validation have been found in the file(s) submitted.
- The following indicators have been identified as having a low level of completeness and might be excluded from future reports:

SubjectCode	Variables
MENI	Vaccination Code

2024-06-20 18:54:56      HAEINF      Haemophilus infection\_test\_202406...      Data validation failed      2024-05-25      2024-05-25

and then decides whether submitted data should be stored (approved) or discarded (rejected):



Given that the user approves data submission, information is updating the ECDC data warehouse.

User is also able to access stored data and edit or delete records:

