



Reportnet 3 Webforms HowTo

Version 1.6 (19-01-2021)

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1 Dataflow in design phase

1.1 Dataset schema design

1.1.1 JSON file configuration

The initial configuration of our webform is specified in a json file. In this file you will see the scheme that will be configured in the webform referring to the different tables and fields. It also includes labels that are shown in the webform, such as tooltips or descriptions, and some extra properties as references to other tables or other fields, which we will have to take into account for their correct operation.

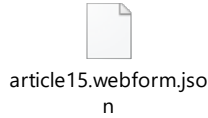
```
{
  "tables": [
    A {
      "name": "PaMs",
      "label": "PaMs",
      "title": "Overview Table",
      "multipleRecords": false,
      "elements": [
        B {
          "type": "FIELD",
          "name": "Id",
          "title": "PaM Id",
          C {
            "tooltip": "Use this to order the PaMs to your convenience",
            "isPrimary": true
          }
        },
        B {
          "type": "FIELD",
          "name": "Title",
          "title": "Name of PaM or group of PaMs",
          D {
            "tooltip": "A group of PaMs consists of other single PaMs or another group of PaMs",
            "isPrimary": false
          }
        },
        B {
          "type": "FIELD",
          "name": "TitleNational",
          "title": "Name of PaM or group of PaMs in national language",
          "isPrimary": false
        },
        {
          "type": "FIELD",
          "name": "IsGroup",
          "title": "Is this a single PaM or a group of PaMs?",
          "customInput": "RADIO_BUTTON",
          "isPrimary": false
        },
        E {
          "type": "FIELD",
          "name": "ListOfSinglePams",
          "title": "Which policies or measures does it cover?",
          "dependency": {
            "field": "IsGroup",
            "value": ["Group"]
          }
        }
      ]
    }
  ]
}
```

Figure 1 JSON detail for PaMs

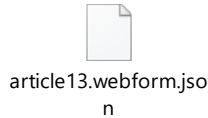
As we can see in the Figure 1, in this Json file we would have the **name** of the table to create [A], the **fields** [B] to include on this table, if this field is marked as **primary key** or not [C], the **tooltip** [D] that we are going to see with a brief, informative message that appears when a user through a mouse-hover gesture on the field, if we have some **dependency** [F] which performs different actions such as, for example, hide a field based on another attribute and its value, etc..



Json file to configure webform - *National climate change adaptation planning and strategies* – Governance Regulation Art. 19



Json file to configure webform - *National greenhouse gas policies and measures* – Governance Regulation Art. 13



1.1.2 How to configure a Webform – National climate change adaptation planning and strategies

Dataset schema: test

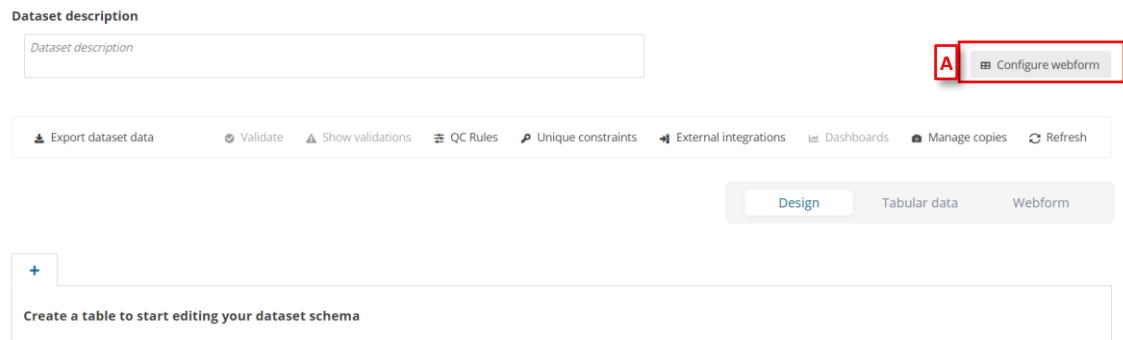


Figure 1 Configure webform

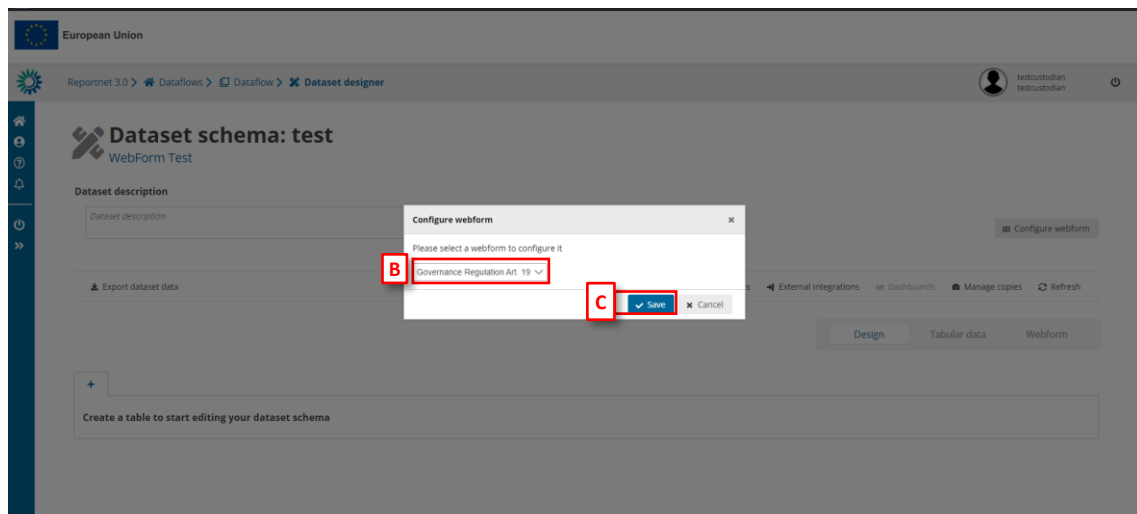


Figure 2 Create Governance Regulation Art. 19



- [A] – The **‘Configure webform’** button pops up a new dialogue with a dropdown [B]: first option (default) **‘No webform’** and the rest options will be the specific webforms developed in the system.
- [C] – You can add a new webform by clicking **‘Save’** when you have selected the webform needed.

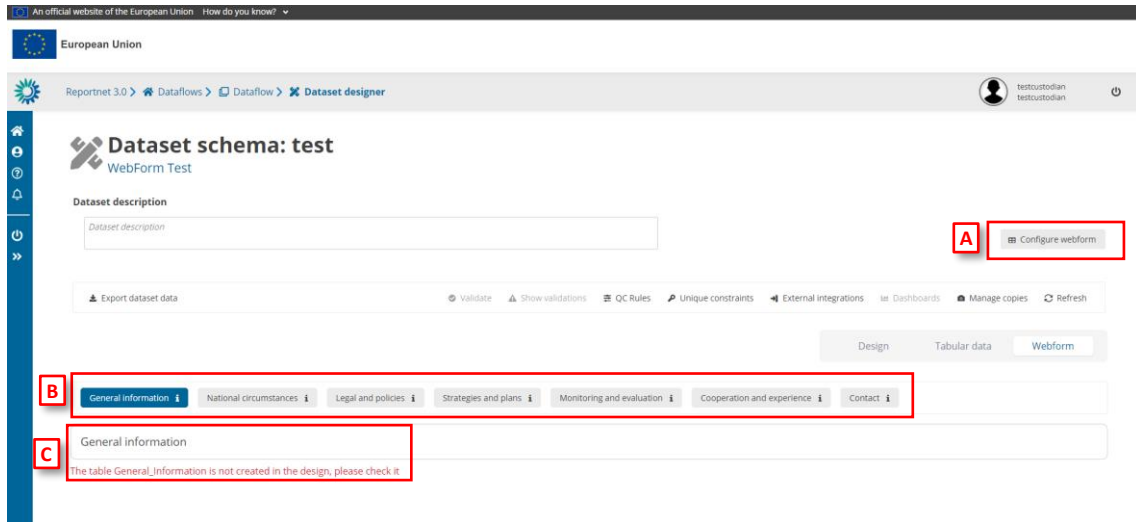


Figure 3 Configure webform Governance Regulation Art. 19

- [A] – The **‘Webform’** tab shows the tables and fields you need to complete, in this case, for **Governance Regulation Art.19** webform.
- [B] [C]– You can see messages for the tables or fields which are configured in the webform but not created in the model.

To see the fields, you need to create to complete the webform, you must add a table to dataset. In that case, you will have a guide to continue configuring the webform.

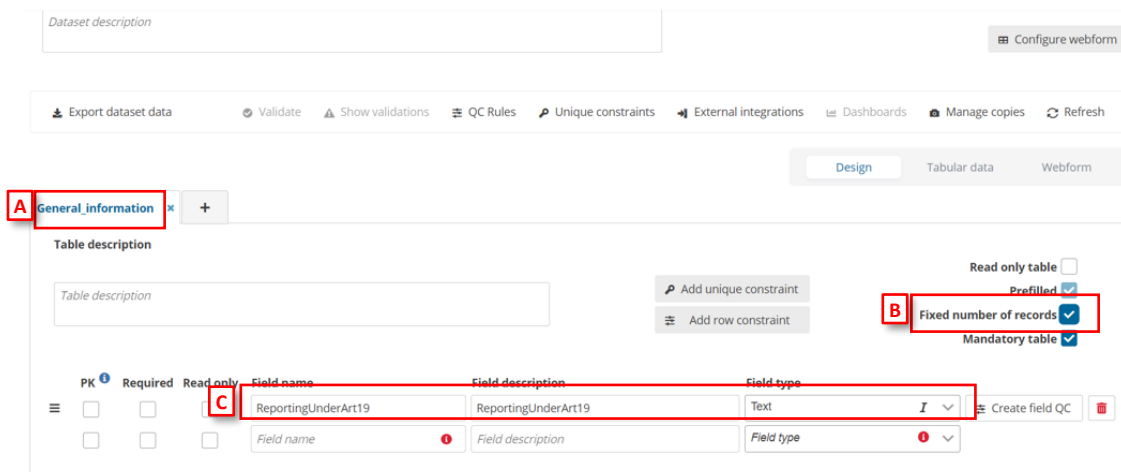


Figure 4 Adding tables and fields

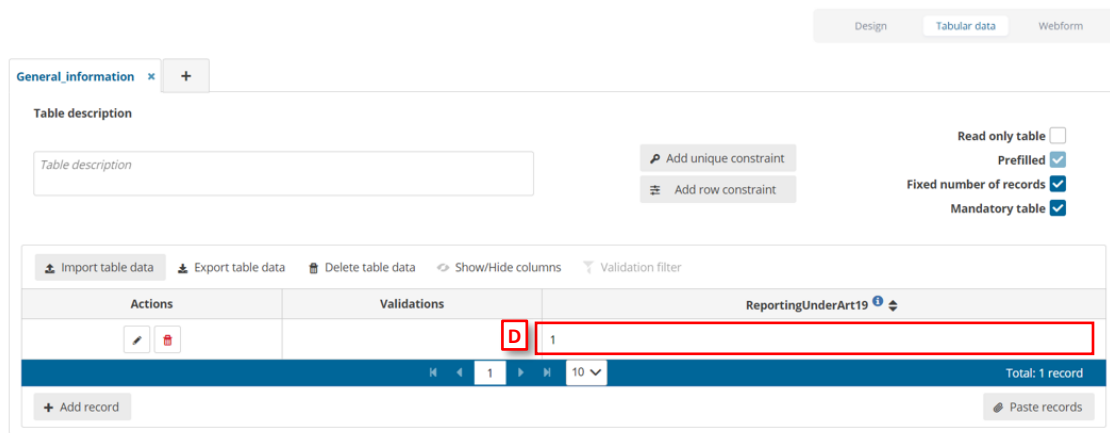


Figure 5 Adding records

- [A] – Add table to dataset with name required on the webform selected.
- [B] – You must mark **‘Fixed number of records’**.
- [C] – Add field to table with name required on the webform selected.
- [D] – Add some record to continue configuring the webform.

When we click on the **‘Webform’** tab we will see the information messages:

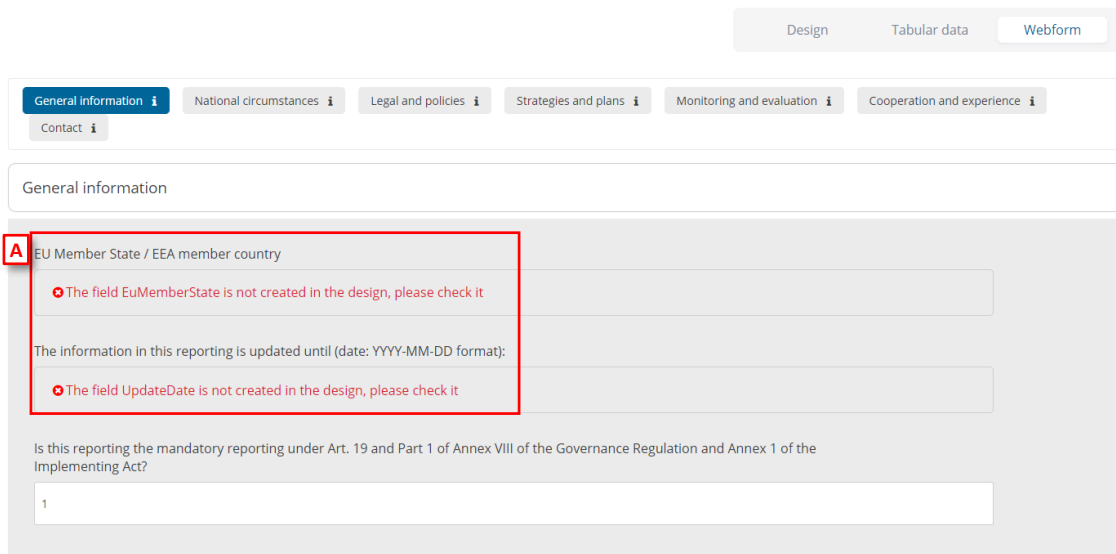


Figure 6 Information messages

- [A] – The messages that appear inform about the fields which are configured in the webform but have not been created in the model.

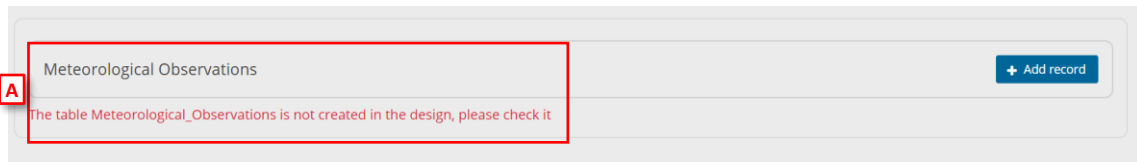


Figure 7 Table information

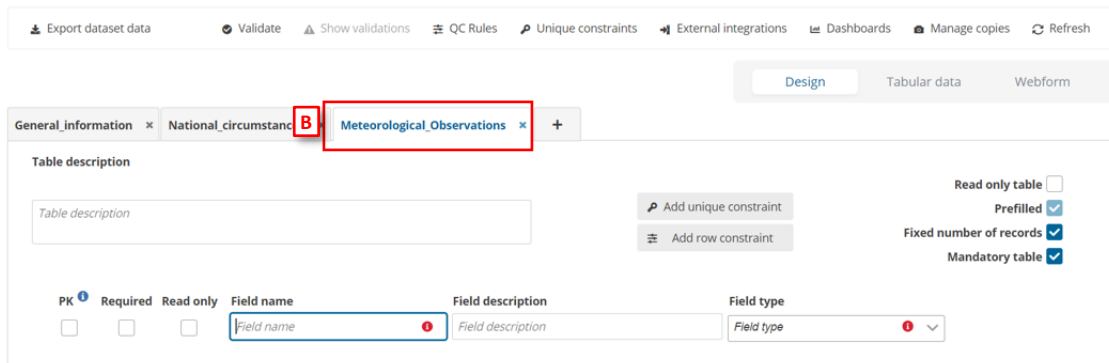


Figure 8 Required table

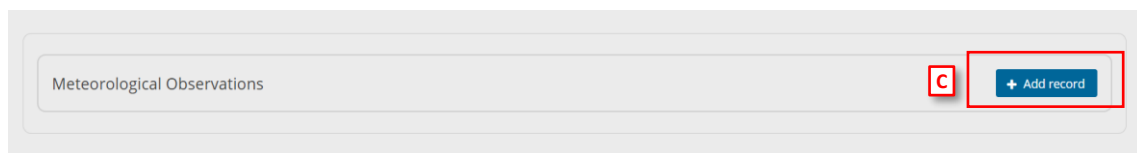


Figure 9 Add record to table

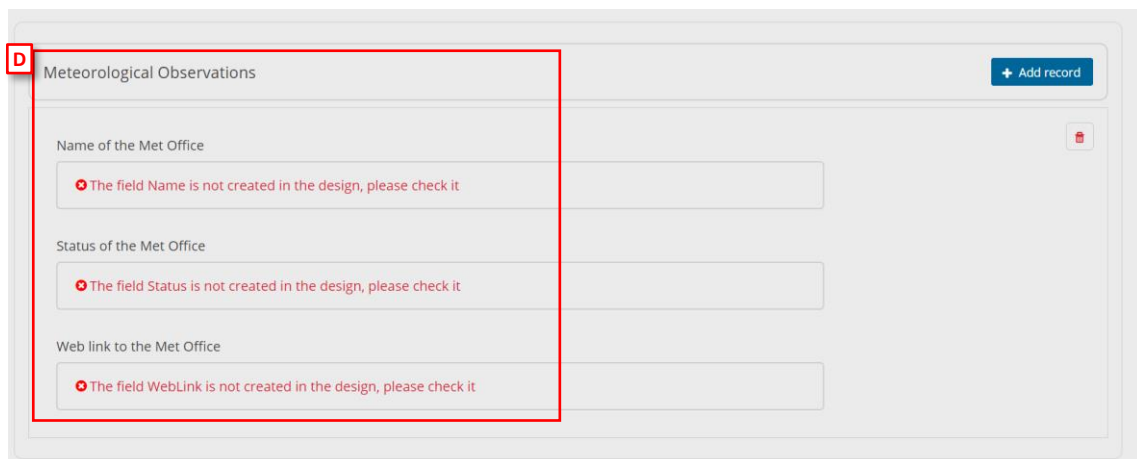


Figure 10 Fields to create

Moreover, there are tables that contain subtables [A], and when you create this table with the name defined [B] and click on 'Add record' [C], it automatically informs you about the fields you must create [D] to continue configuring the webform.



Figure 11 Adding record

Figure 12 Table information

If in Design View you add the field **'Name'** and in **'Webform'** view [A] you add records on your table [B], then in **'Tabular Data'** view you will see the record added [C].

1.1.3 How to configure a Webform – National greenhouse gas policies and measures

Figure 13 Configure webform

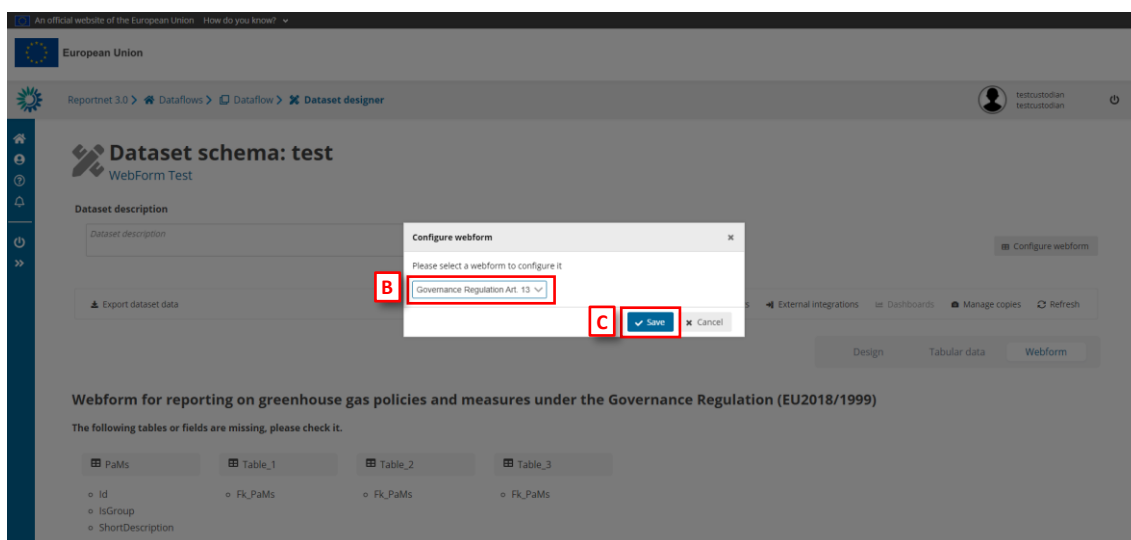


Figure 14 Create Governance Regulation Art. 13

- [A] – The **‘Configure webform’** button pops up a new dialogue with a dropdown [B]: first option (default) **‘No webform’** and the rest options will be the specific webforms developed in the system.
- To select the PaM webform you need to select the **‘Governance Regulation Art. 13’** from the dropdown.
- [C] – You can add the new webform by clicking **‘Save’** when you have selected the webform needed.

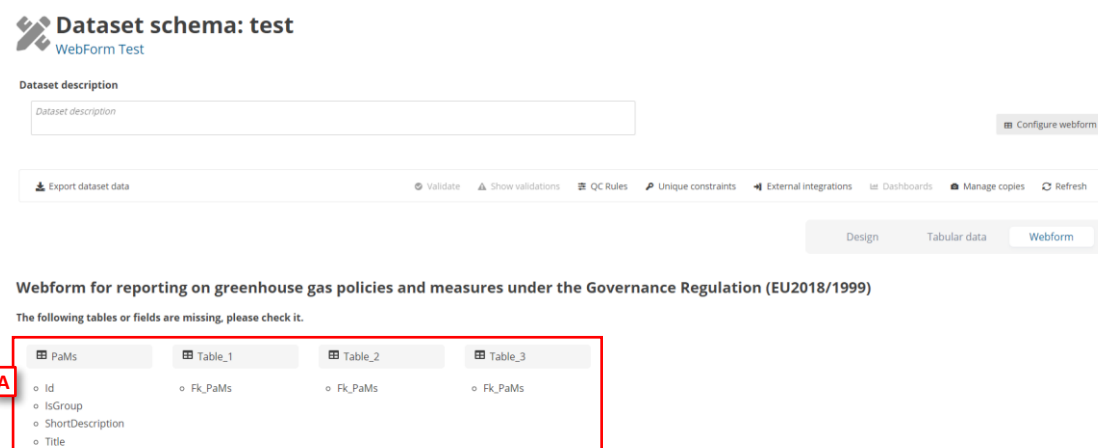


Figure 15 Tables and main fields

The first time we access to PaMs webform, the main **tables** and basic **fields** [A] that we must create will appear to continue configuring the webform



Dataset schema: test
WebForm Test

Dataset description

Export dataset data Validate Show validations QC Rules Unique constraints External integrations Dashboards Manage copies Refresh

Design Tabular data Webform

Webform for reporting on greenhouse gas policies and measures under the Governance Regulation (EU2018/1999)

Single: + Add

Group: + Add

Empty table

There is no data to show

Figure 16 Configuring Single and Group PaMs webform

Dataset schema: Data
National greenhouse gas policies and measures

Dataset description

Export dataset data Validate Show validations QC Rules Unique constraints External integrations Dashboards Manage copies Refresh

Design Tabular data Webform

PAMs Table_1 SectorObjectives OtherObjectives ReferenceAssessments UnionPolicyOther Entities Indicators Reference Table_2 Documentation_AnteAssessment Documentation_PostAs

Table description

Table description

Add unique constraint Add row constraint

Read only table Prefilled Fixed number of records Mandatory table

PK	Required	Read only	Field name	Field description	Field type	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Id	Field description	Number - Integer	Create field QC
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Title	Field description	Text	Create field QC
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	TitleNational	Field description	Text	Create field QC
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	IsGroup	Field description	Single select	Create field QC
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ListOfSinglePams	Field description	Text	Create field QC
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ShortDescription	Field description	Multiline text	Create field QC
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Field name	Field description	Field type	Create field QC

Figure 17 Tables and fields required

To start configuring the webform from PaM [A], you must add a **PAMs** table and **Table_1**, **Table_2** and **Table_3** and their **subtables** to dataset [B]. Moreover, you must create in **PaMs** table an **Id** field [C], marked as a PK.



Design Tabular data Webform

PAMS Table_1 x +

Table description

Table description

Add unique constraint Add row constraint

Read only table Prefilled Fixed number of records Mandatory table

PK	Required	Read only	Field name	Field description	Field type
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fk_PaMs	Field description	Link PAMS - Id
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	GeographicalCoverage	Field description	Text I
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Field name	Field description	Field type

Figure 18 Link to PaMs required

Besides, for the **Table_1**, **Table_2** and **Table_3** and their **subtables** you must create a **Fk_PaMs** [A] field with a link for PaMs Id [B]. This is because in one PaM will only be one Table_1 but there can be, for example, 4 or 5 sectors, and it must be indicated that they belong to the Id of the PaM in particular.

In that case, you will have a guide to continue configuring the webform.

1.1.3.1 Single PaM

Dataset schema: Data
National greenhouse gas policies and measures (Kiko)

Dataset description

Export dataset data Validate Show validations QC Rules Unique constraints External integrations Dashboards Manage copies Refresh

Design Tabular data Webform

Questionnaire for reporting on Policies and Measures under the Monitoring Mechanism Regulation

Single: 1 **B** **+** Add

Group: **+** Add

Actions	Validations	PAM Number	Name of PaM or group of PaMs	Name of PaM or group of PaMs in national language	PAM or group of PaMs	Which policies or measures does it cover?	Short description	Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument	Table 2: Available results of ex-ante and ex-post assessments of the effects of individual or groups of policies and measures on mitigation of climate change	Table 3: Available projected and realised costs and benefits of individual or groups of policies and measures on mitigation of climate change
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1			Single			+ Create table	+ Create table	+ Create table

Figure 19 Creating Single or Group of PaMs

PaM should be reported as a single PaM or a group of PaMs, for this reason, you can select whether a single PaM or a group of PaMs is reported [A] by clicking the button 'Add' [B]. At this point, we are adding a Single PaM to our webform.



Questionnaire for reporting on Policies and Measures under the Monitoring Mechanism Regulation

Single: 1 + Add

Group: + Add

Overview

PaMs 1 Table 1 Table 2 Table 3

Overview Table

*PaM Id

1

*Name of PaM or group of PaMs

Name of PaM or group of PaMs in national language

*Is this a single PaM or a group of PaMs?

Single

Which policies or measures does it cover?

*Short description

Figure 20 Detail of PaMs fields

Once the single PAM is added, we can click on the 'PaM number' [A] to see the details and fields to configure and fill the PaMs table[B].

Dataset description

Export dataset data

Validate Show validations QC Rules Unique constraints External integrations Dashboards Manage copies Refresh

Design Tabular data Webform

Questionnaire for reporting on Policies and Measures

Single: 1

Group:

Actions	Validations	PaM Number	Name of PaM or group of PaMs
✎		1	

Edit row

PaM number

1

Name of PaM or group of PaMs

Name of PaM or group of PaMs in national language

PaM or group of PaMs

Single

Which policies or measures does it cover?

Short description

✔ Save ✕ Cancel

Figure 21 Edit row

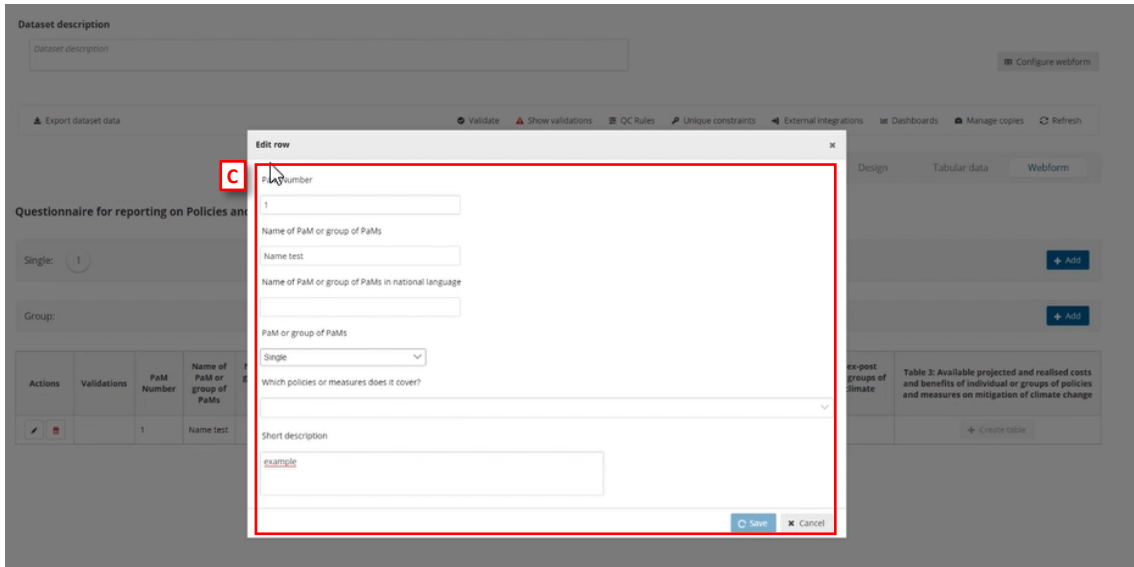


Figure 22 Editing row

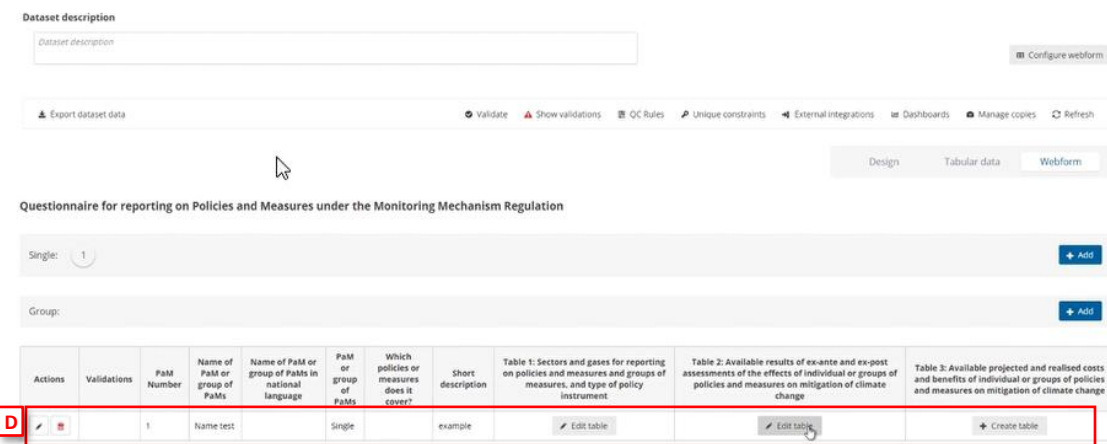


Figure 23 Single PaM details

By clicking 'Edit' button [A] you can fill and edit the fields related to record [B] and you can add the name and the rest of fields [C] of a Single PaM or group of PaMs. By clicking 'Save' you can save the data and then you must see the changes on the table [D].

1.1.3.2 Group of PaMs



Dataset description

Dataset description

Configure webform

Export dataset data

Validate Show validations QC Rules Unique constraints External integrations Dashboards Manage copies Refresh

Design Tabular data Webform

Questionnaire for reporting on Policies and Measures under the Monitoring Mechanism Regulation

Single: 1 Add

Group: 2 Add

Actions	Validations	PaM Number	Name of PaM or group of PaMs	Name of PaM or group of PaMs in national language	PaM or group of PaMs	Which policies or measures does it cover?	Short description	Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument	Table 2: Available results of ex-ante and ex-post assessments of the effects of individual or groups of policies and measures on mitigation of climate change	Table 3: Available projected and realised costs and benefits of individual or groups of policies and measures on mitigation of climate change
		1	Name test		Single	example				
		2			Group					

Figure 24 Adding Group of PaMs

Dataset description

Dataset description

Configure webform

Export dataset data

Validate Show validations QC Rules Unique constraints External integrations Dashboards Manage copies Refresh

Design Tabular data Webform

Questionnaire for reporting on Policies and Measures under the Monitoring Mechanism Regulation

Single: 1 3 Add

Group: 2 Add

Actions	Validations	PaM Number	Name of PaM or group of PaMs	Name of PaM or group of PaMs in national language	PaM or group of PaMs	Which policies or measures does it cover?	Short description	Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument	Table 2: Available results of ex-ante and ex-post assessments of the effects of individual or groups of policies and measures on mitigation of climate change	Table 3: Available projected and realised costs and benefits of individual or groups of policies and measures on mitigation of climate change
		1	Name test		Single					
		2	SecondPaM		Group					
		3	Third		Group					

Edit row

PaM Number: 2

Name of PaM or group of PaMs: SecondPaM

SecondPaM: [input field]

Name of PaM or group of PaMs in national language: [input field]

PaM or group of PaMs: Group

Which policies or measures does it cover?

- #1 - Name test
- #3 - Third

Save Cancel

Figure 25 Edit Group of PaMs

We can also create a group of PaMs by clicking the 'Add' button [A]. Then you can click on 'Edit' button [B] in order to fill and edit [C] the fields related to this PaMs group and to add which policies or measures are covered by selecting the single PaMs you need [D] (each Single PAM could be in more than one group).



Configure webform

Export dataset data Validate Show validations QC Rules Unique constraints External integrations Dashboards Manage copies Refresh

Design Tabular data Webform

Questionnaire for reporting on Policies and Measures under the Monitoring Mechanism Regulation

Single: 1 3 Add

Group: 2 Add

Actions	Validations	PaM Number	Name of PaM or group of PaMs	Name of PaM or group of PaMs in national language	PaM or group of PaMs	Which policies or measures does it cover?	Short description	Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument	Table 2: Available results of ex-ante and ex-post assessments of the effects of individual or groups of policies and measures on mitigation of climate change	Table 3: Available projected and realised costs and benefits of individual or groups of policies and measures on mitigation of climate change
		1	Name test		Single		example			
		2	SecondPa m		Group	#1 - Name test, #3 - Third				[A]
		3	Third		Single					

Figure 26 Create table - Table_3

If you want to create a record, for example for the Table_3, you must click on the 'Create table' button [A].

Dataset description

Dataset description

Configure webform

Export dataset data Validate Show validations QC Rules Unique constraints External integrations Dashboards Manage copies Refresh

Design Tabular data Webform

Questionnaire for reporting on Policies and Measures under the Monitoring Mechanism Regulation

Single: 1 3 Add

Group: 2 Add

Actions	Validations	PaM Number	Name of PaM or group of PaMs	Name of PaM or group of PaMs in national language	PaM or group of PaMs	Which policies or measures does it cover?	Short description	Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument	Table 2: Available results of ex-ante and ex-post assessments of the effects of individual or groups of policies and measures on mitigation of climate change	Table 3: Available projected and realised costs and benefits of individual or groups of policies and measures on mitigation of climate change
		1	Name test		Single		example			[C]
		2	SecondPa m		Group	#1 - Name test, #3 - Third				[B]
		3	Third		Single					

Figure 27 Edit table - Table_3

Once created, the button 'Create Table' changes to 'Edit Table' [B] and you can edit the records for the Table_3 [C] on the group created [D].

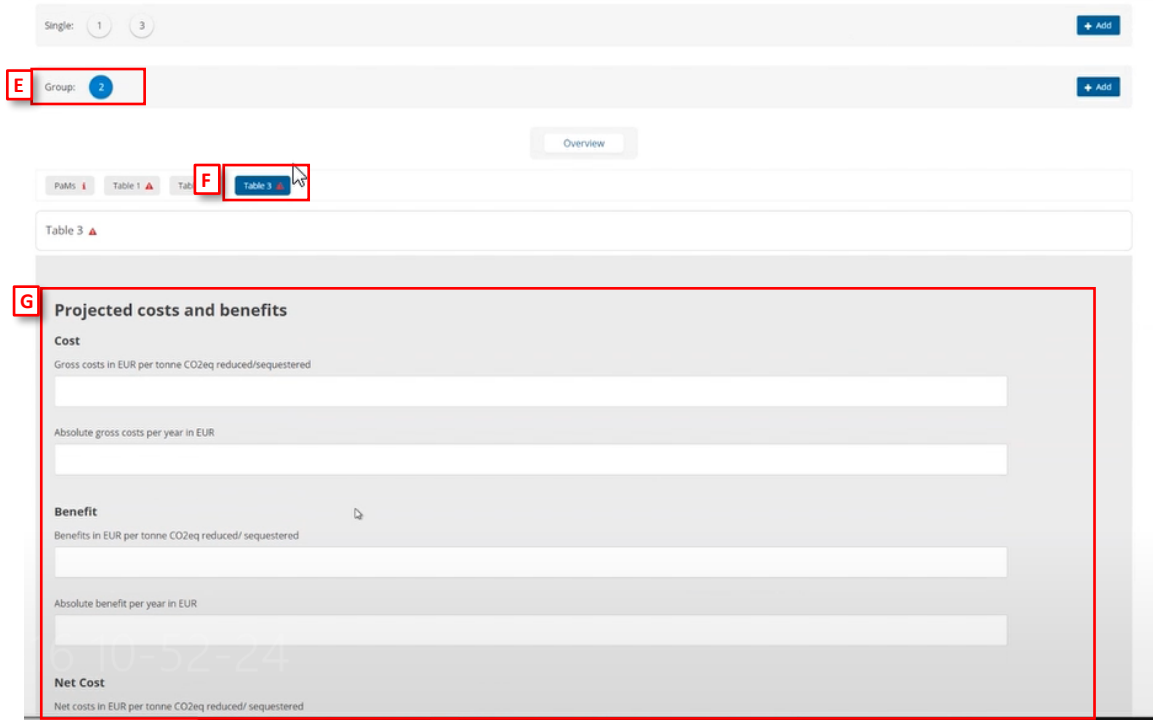


Figure 28 Fields to fill

This action leads us to a Group '2' [E], Table_3 [F] and its fields to fill [G].

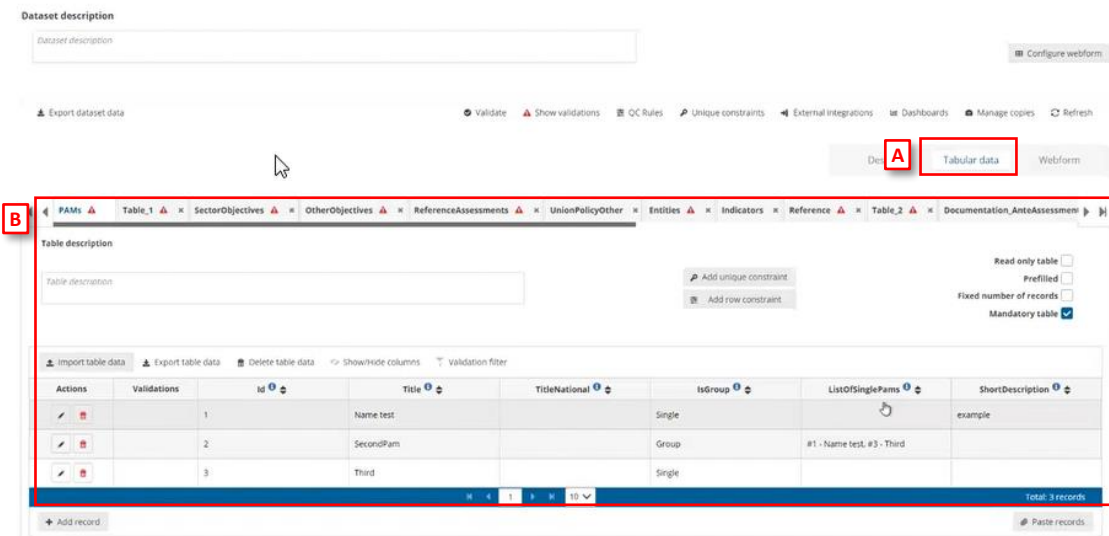


Figure 29 Tabular data View

Finally, on 'Tabular data' view [A] you can see the structure of PaMs table [B].



1.1.4 How to configure a Webform – National Systems

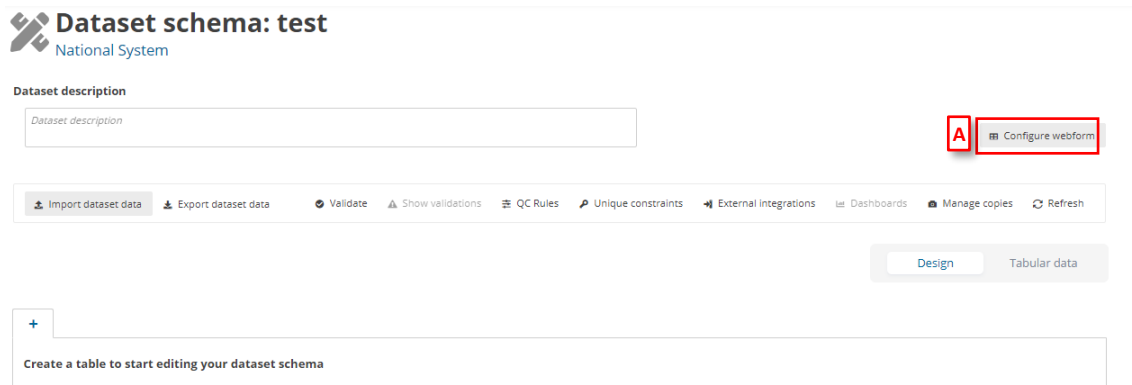


Figure 30 Configure webform

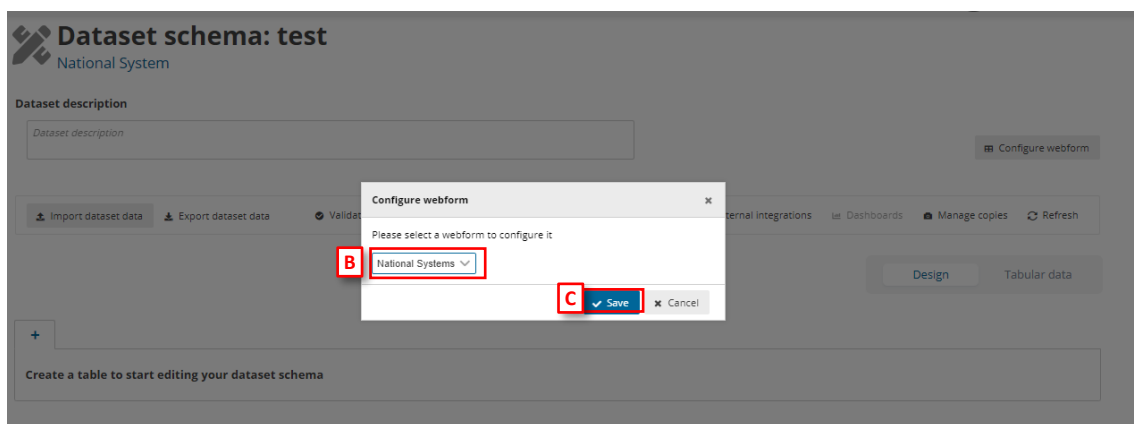


Figure 31 Create National Systems.

- [A] – The **‘Configure webform’** button pops up a new dialogue with a dropdown [B]: first option (default) **‘No webform’** and the rest options will be the specific webforms developed in the system.
- To select the National System webform you need to select the **‘National Systems’** from the dropdown.
- [C] – You can add the new webform by clicking **‘Save’** when you have selected the webform needed.



Dataset schema: test
National System

Dataset description

Dataset description

Configure webform

Import dataset data Export dataset data Validate Show validations QC Rules Unique constraints External Integrations Dashboards Manage copies Refresh

Design Tabular **A** Webform

National System for policies and measures and projections

C There are no records in the table.

B The table Table_2 is not created in the design, please check it

Figure 31 Configure webform National Systems.

- [A] – The ‘Webform’ view shows the tables and fields you need to complete, in this case, for National Systems webform.
- [B] [C]– You can see messages for the tables or fields which are configured in the webform but not created in the model.

Table_1 x Table_2 x +

Table description

Table description

Add unique constraint Add row constraint

Read only table Prefilled Fixed number of records Mandatory table

PK	Required	Read only	Field name	Field description	Field type
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SectionTitle	Field description	Text I
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Information	Field description	Multiline text
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	TextBlock	Field description	Multiline text
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	UploadFile	Field description	Attachment Valid file...

Figure 32 Design Table_1

First, on the ‘Table_1’ we configure the fields [A] we need. These fields are the ones that we are going to fill later on ‘Tabular data’ view, in order to create the information showed on the ‘Webform’ view.



Design **A** **Tabular data** Webform

Table description

Table description

Add unique constraint

Add row constraint

Read only table

Prefilled

Fixed number of records

Mandatory table

Import table data Export table data Delete table data Show/Hide columns Validation filter

Actions	Validations	SectionTitle	Information	TextBlock	UploadFile
		Legal arrangements in place for preparation of reports on policies and measures and of projections	- Are there any legal arrangements in place to ensure reporting is completed, and/or data provided, report the legislation and its scope. - If such a description has already been provided, report the changes to legal arrangements in place for the preparation of the report on policies and measures and projections.		
		Description of the information collection process	- Provide a summary of the process for collecting information for developing policies and measures, evaluating policies and measures and for developing projections. Explain if and how consistent processes are used for collecting and using information for policies and measures and projections.		

Total: 13 records

B + Add record Paste records

Figure 33 Tabular data view

C Add record

SectionTitle

Information

TextBlock

Add another record

Figure 34 Add record

If we click on 'Tabular data' view and we add new record, the fields we are filling in correspond to those that we will later see in the 'Webform' view.



Figure 34 Webform view Table_1

- [A] – This text field refers to **SectionTitle** field defined in 'Design' view.
- [B] – This text field refers to **Information** field defined in 'Design' view.
- [C] – This text field refers to **TextBlock** field defined in 'Design' view.
- [D] – This text field refers to **UploadFile** field defined in 'Design' view.

Figure 35 Design Table_2

Figure 36 Webform view Table_2

Table_2 [A] defines the field **UploadFile** [B] that appears in the **Additional information** section [C] at the general level in the 'Webform' view.