



io-base
value-added data

TERĒGA
SOLUTIONS

IndaBoard

User documentation

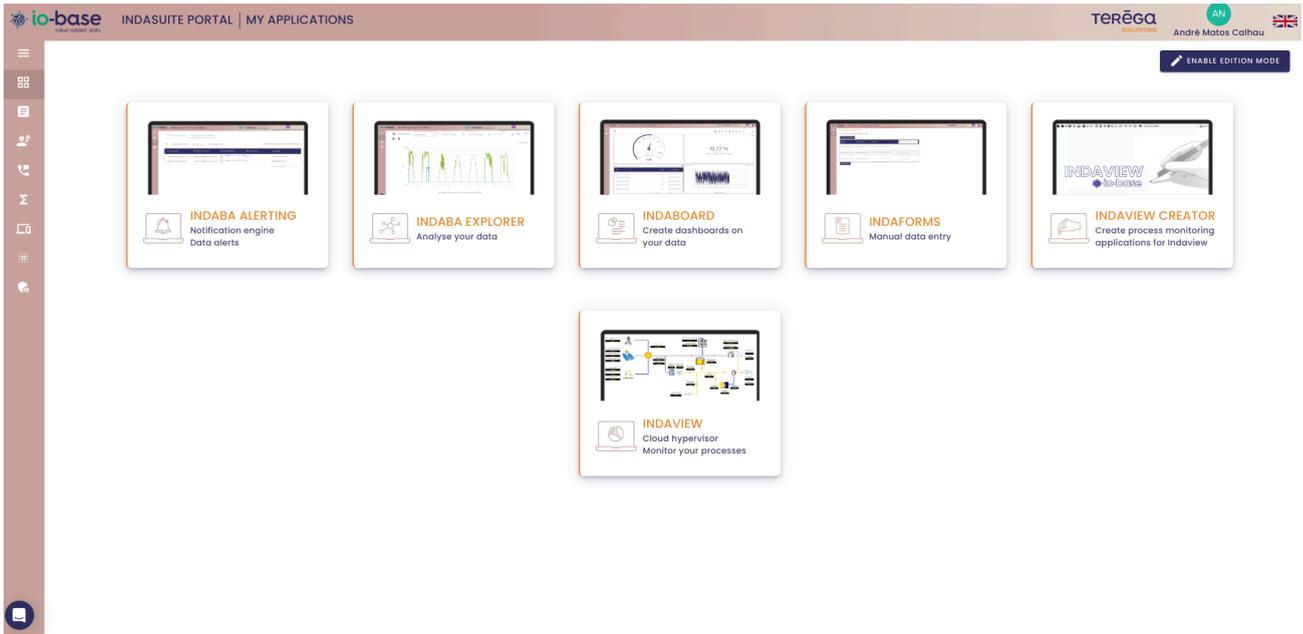
Content

1. Introduction	4
2. Dashboards	5
2.1. Managing my dashboards	5
2.2. Create a dashboard	6
2.3 Public dashboards	7
2.3.1 Making a dashboard public	7
2.3.2 Access the list of public dashboards	8
2.3.3 Duplicate a public dashboard	9
2.4. Duplicate a dashboard	10
2.5. Exporting a dashboard	11
2.5.1 Export of a complete dashboard	11
2.5.2 Export of a single component	12
2.6. Managing dates on a dashboard	13
2.6.1 Functioning of the dates	13
2.6.1.1 Specific period for each component	13
2.6.1.2 Common period for all components	14
2.6.1.3 Locking the period of a component	15
2.7. Handling a dashboard	17
2.7.1.1 Expand dashboard components	18
2.8. Delete a dashboard	19
3. Dashboards' components	20
3.1. Create a dashboard's component	20
3.1.1 The components	20
3.1.2 Creating a Graphic component	21
3.1.3 Creation of a gauge component	27
3.1.3.1 Properties	27
3.1.3.2 Metrics	29
3.1.4 Creation of a table component	31
3.1.4.1 Properties	31
3.1.4.2 Metrics	32
3.1.5 Creating a metric component	34

3.1.5.1 Properties	34
3.1.5.2 Metrics	35
3.1.6 Creating a stacked chart component	38
3.1.6.1 Configuration	38
3.1.6.2 Metric	39
3.1.7 Creating a pie chart component	43
3.1.7.1 Configuration	43
3.1.7.2 Metric	44
3.1.8 Creating an XY chart component	47
3.1.8.1 Configuration	47
3.1.8.2 Metric	49
3.1.8.3 Abacus	52
3.1.9 Creating a text component	58
3.1.9.1 Apply a heading style	58
3.1.9.2 Creating lists	59
3.1.9.3 Text formatting	60
3.1.9.4 Add a link	61
3.1.9.5 Preview your component	63
3.1.9.6 Removing formatting	64
3.2. Organize the components of a dashboard	65
3.2.1 Prerequisites	65
3.2.2 Arranging a dashboard	65
3.3. Delete a component from a dashboard	67
3.3.1 Prerequisites	67
3.3.2 Delete a component	68
3.4. Editing a component of a dashboard	69
3.4.1 Prerequisites	69
3.4.2 Editing a component	69
3.5. Duplicate a dashboard's component	71

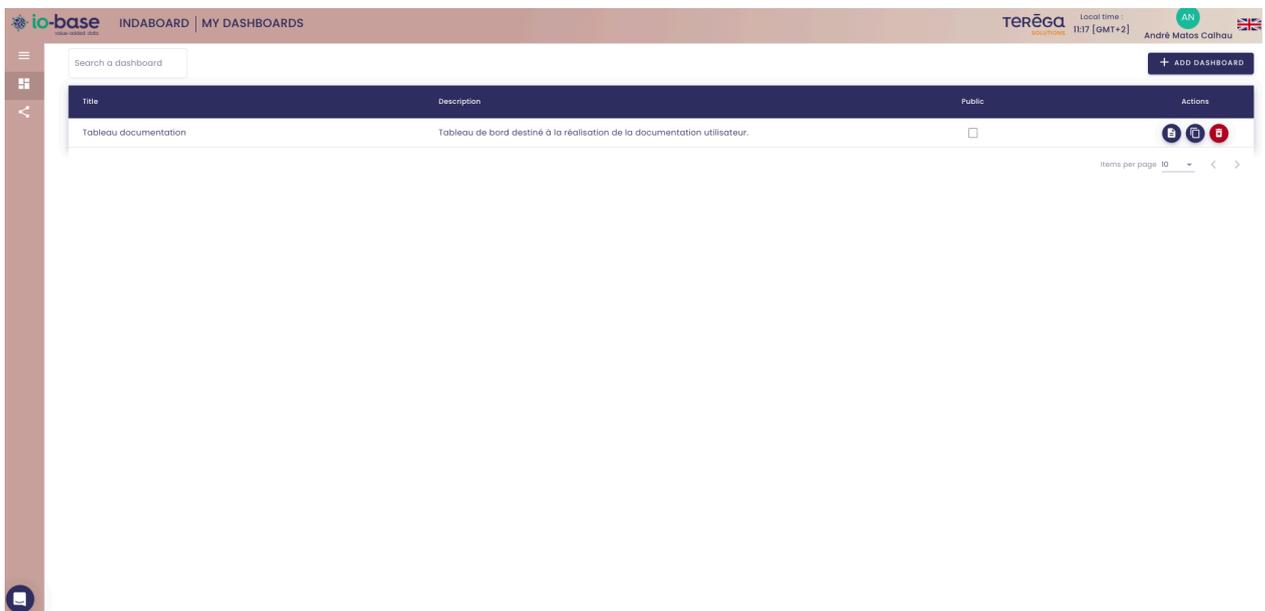
1. Introduction

Connect to the IO-Base portal.



Click on the **IndaBoard** tile.

The application opens in a new tab, entitled **My Dashboards**.

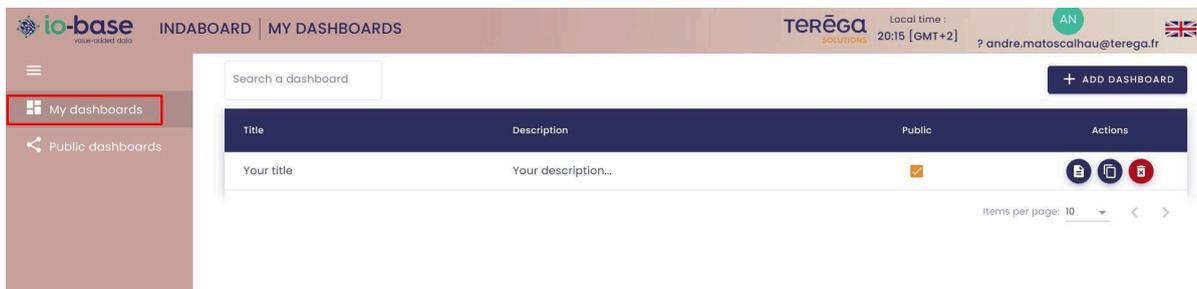


2. Dashboards

2.1. Managing my dashboards

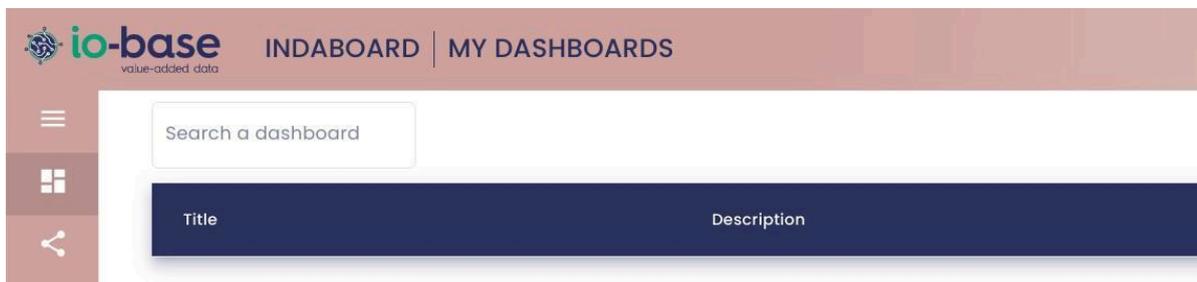
Access IndaBoard by connecting to the **IO-Base** portal.

On the left-hand side of the screen, a link allows you to have access to your dashboards: My dashboards.



This screen displays all of the dashboards you have created. Only you can view the dashboards.

A search area allows you to filter the table, to make it easier for you to find the dashboards you are looking for.

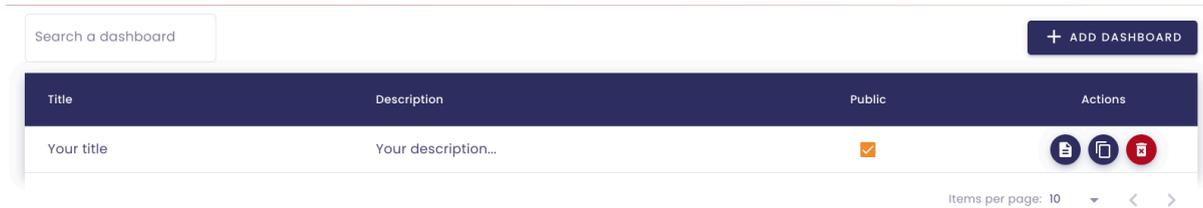


From that screen, you can manage your dashboards:

- create a new dashboard
- view a dashboard (you can also edit it)
- duplicate a dashboard

- delete a dashboard

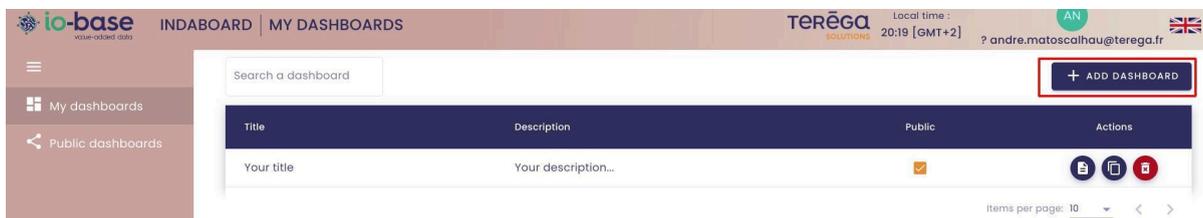
View, duplicate and delete actions are accessible from the **Actions** column.



2.2. Create a dashboard

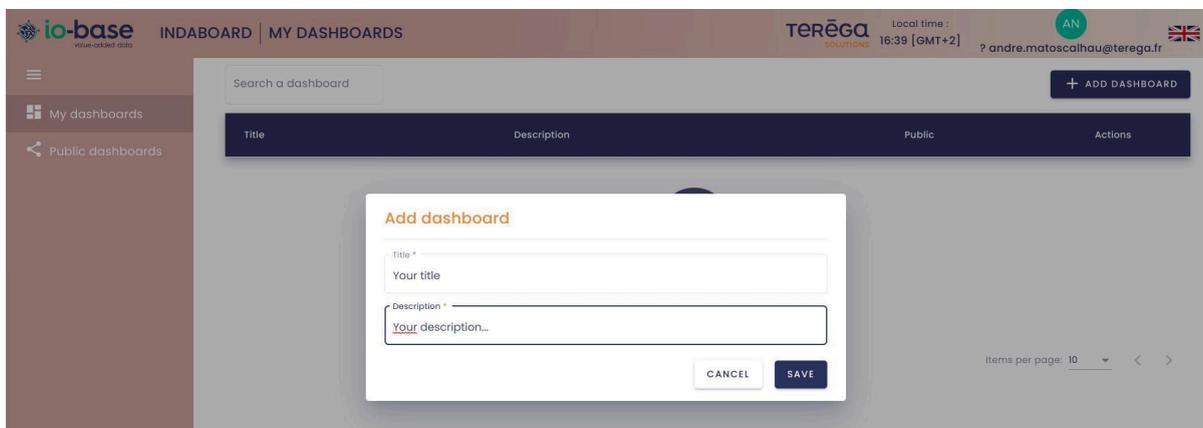
Access **IndaBoard** by connecting to the **IO-base** Portal.

Click on **Add Dashboard** from the My Dashboards menu.

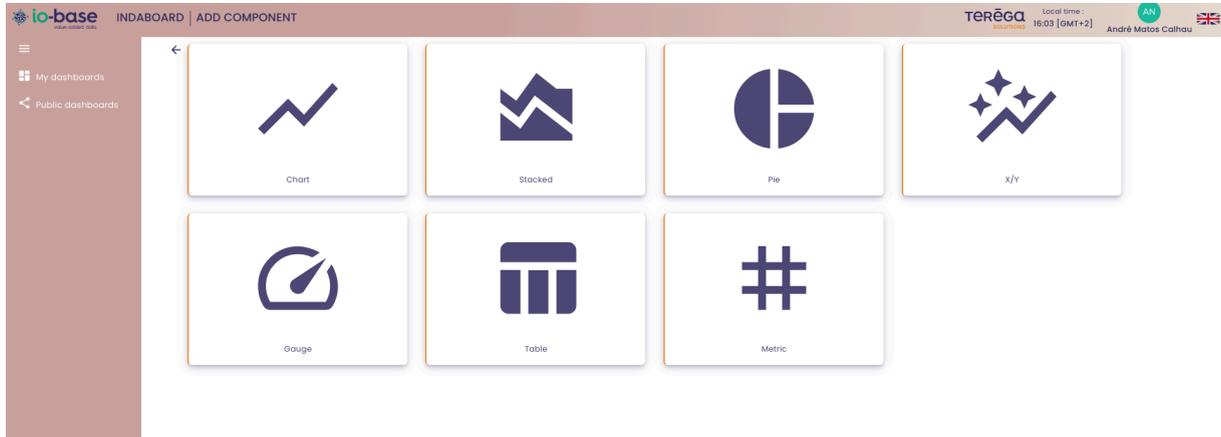


A window appears, allowing you to enter a **Title** and a **Description**.

Enter the desired values, then click on **Save**.

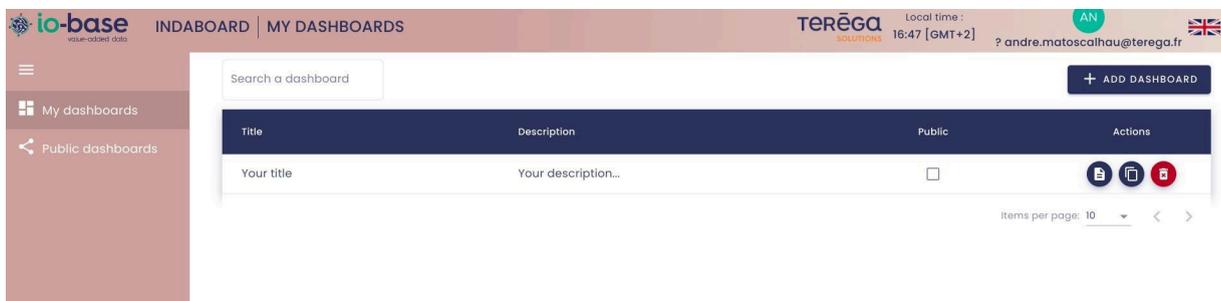


The dashboard is created. You are redirected to the component creation screen.



Note : for further information about the creation of a component, please refer to the dedicated article.

Once it is created, the dashboard appears in the **My Dashboards** menu.

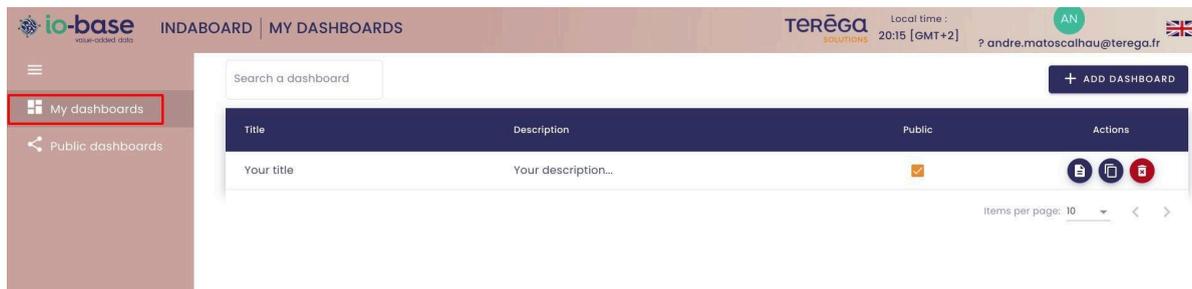


2.3 Public dashboards

If you want other users to view your dashboards, you can make them public.

2.3.1 Making a dashboard public

From IndaBoard, access your dashboards by clicking on the **My Dashboards** menu.



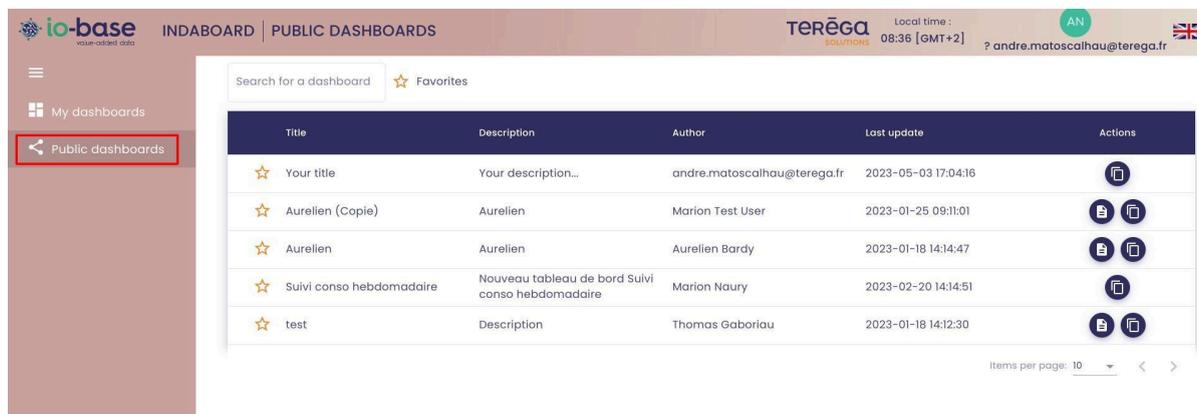
Your dashboards' list appears. It contains a column entitled **Public**.

By checking the **Public** box of a dashboard, you make it visible to other users within your IO-base environment.

Note : Other users are able to view your dashboards, but cannot modify or delete them.

2.3.2 Access the list of public dashboards

Public dashboards are available from the IndaBoard menu, **Public Dashboards**.



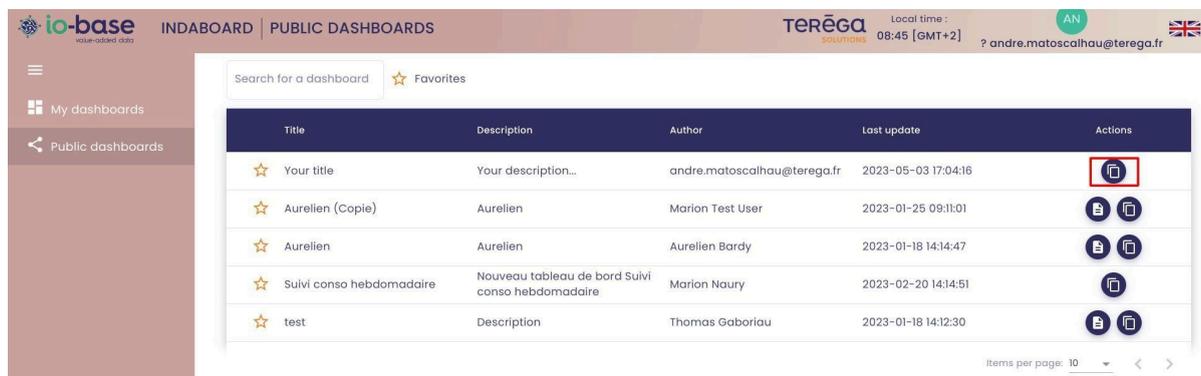
By clicking on the **View** icon in the **Actions** column, you can view any publicly available dashboard.

Note : You can only edit public dashboards that you have created.

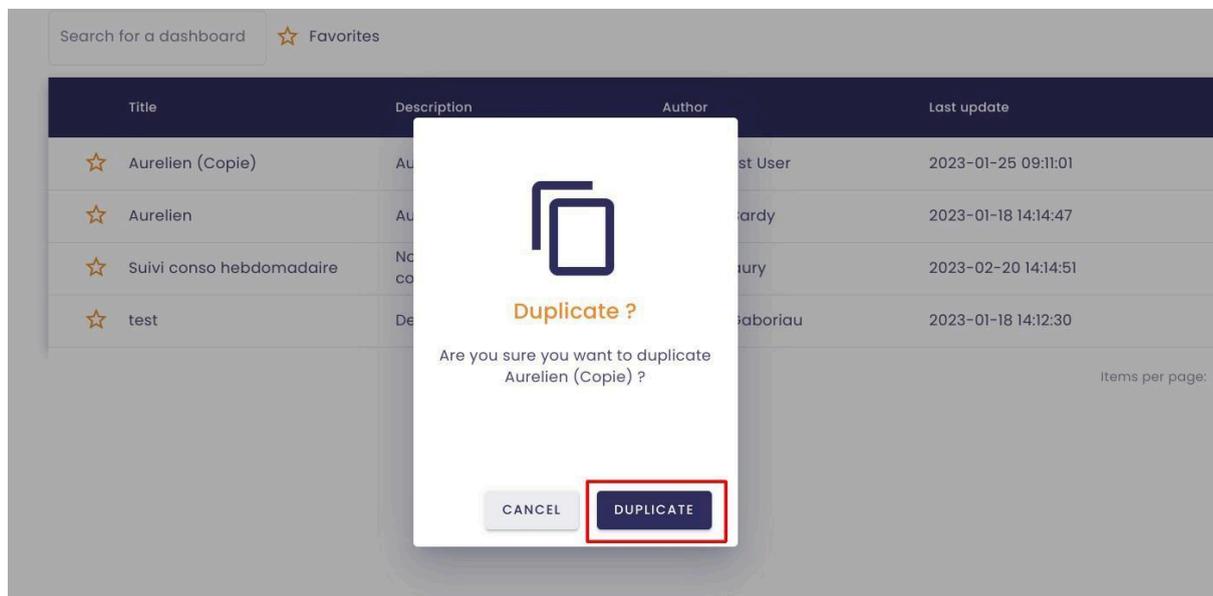
Note : If you try to view a dashboard displaying metrics for which you have not read rights, the components will not report any data.

2.3.3 Duplicate a public dashboard

You can duplicate a public dashboard of which you are not the author. Use the Duplicate button in the **Actions** column.



In the confirmation window, click on **Duplicate** to confirm.



The dashboard is now duplicated. You can edit the copy. It appears on the list of your dashboards, and by default, it is not public.

Note : From the list of public dashboards, you can choose to bookmark dashboards, in order to filter the table more quickly.

2.4. Duplicate a dashboard

Access **IndaBoard**, by connecting to the IO-base portal.

From the **My Dashboards** page, it is possible to duplicate a dashboard by using the button available in the **Actions** column.



Title	Description	Public	Actions
Your title	Your description...	<input type="checkbox"/>	  

When you click on the **Duplicate** button, a confirmation window appears. Click on **Duplicate** to confirm.

The dashboard and all its components are duplicated. The dashboard has the same name as the original one, prefixed with **Copy of**.



Title	Description	Public	Actions
Your title	Your description...	<input type="checkbox"/>	  
Your title (Copy)	Your description...	<input type="checkbox"/>	  

Items per page: 10 < >

Note : To change the name of the dashboard, display it and then click on the button at the top right to modify it.

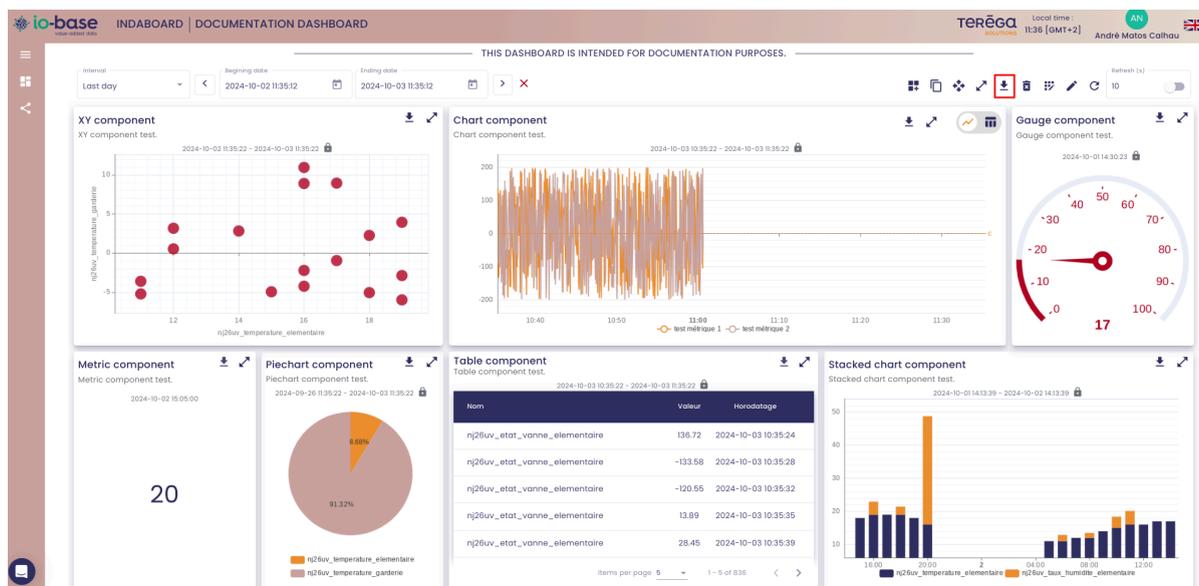
2.5. Exporting a dashboard

From the **io-base** portal, connect to **IndaBoard**.

Through the **My Dashboards** menu, view a dashboard from the list.

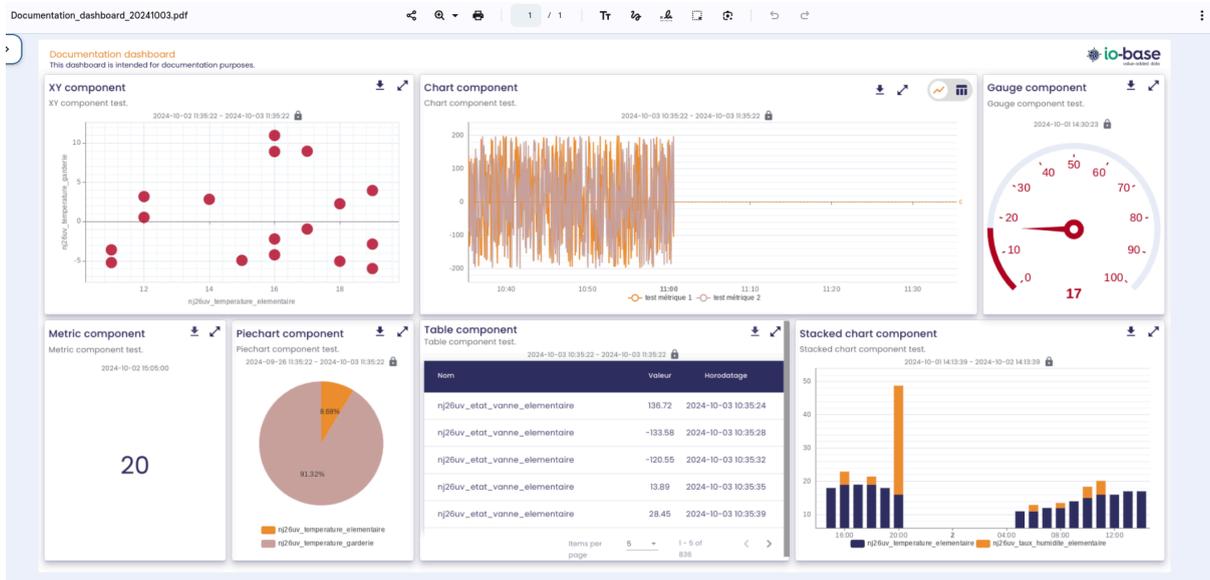
2.5.1 Export of a complete dashboard

In the top right menu, click on the button to download the dashboard :



Note : your browser must allow pop-ups.

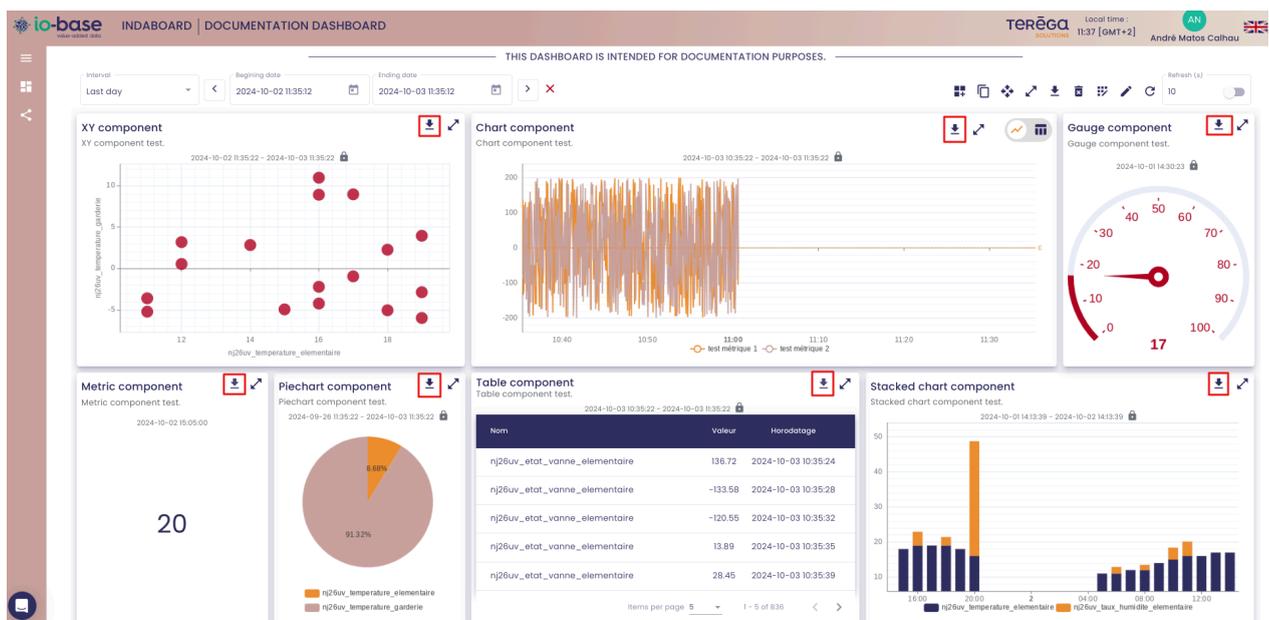
The download begins, and your dashboard is saved in PDF format.



Note : Each component can also be exported independently in image format.

2.5.2 Export of a single component

From the reporting screen, each of the components has a button to export them in image format. The button is located at the top right corner :



By clicking on the button, the image of the component is downloaded in PNG format.

Note : your browser must allow pop-ups.

2.6. [Managing dates on a dashboard](#)

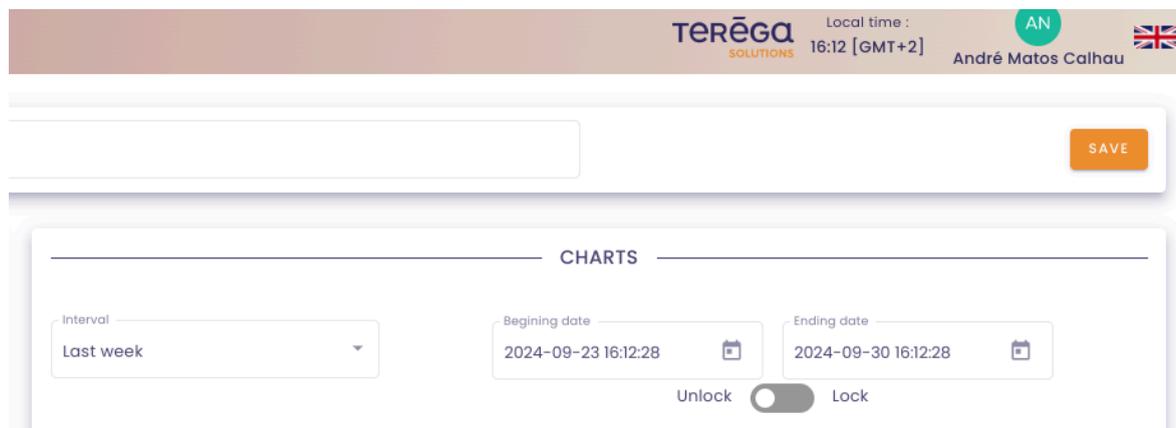
Prerequisites : from the **Io-base** portal, access to **Indashboard**.

Through the menu **My Dashboards**, view a dashboard's content.

[2.6.1 Functioning of the dates](#)

[2.6.1.1 Specific period for each component](#)

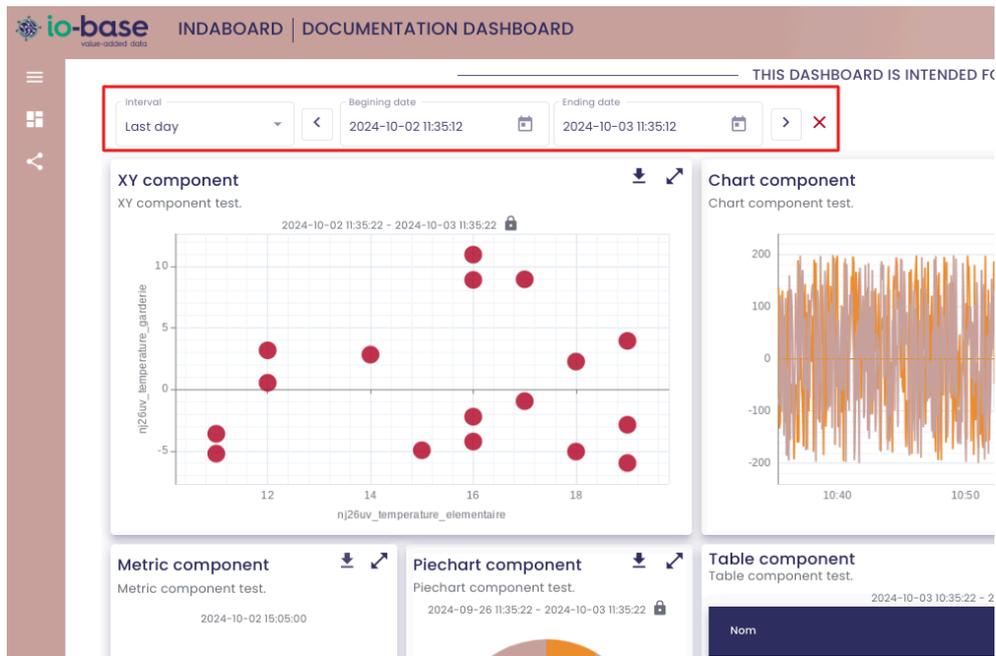
In a dashboard, each component can be set up for its own period. For example, the first one can correspond to the data of the last day, and the second one to the data of the last month. These dates can be set in the modification screen of each component.



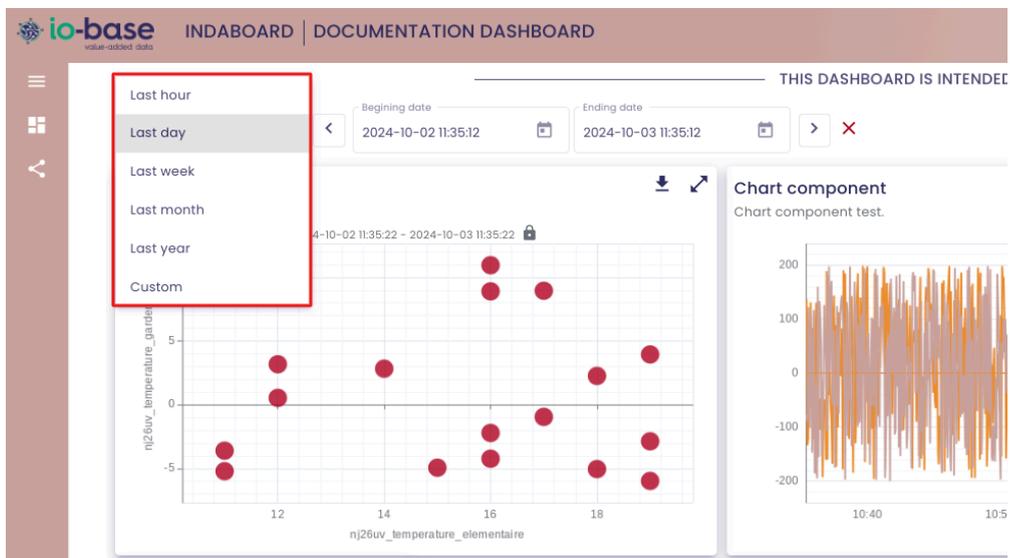
The screenshot displays the user interface for modifying a dashboard component. At the top, the header includes the Terēga Solutions logo, local time (16:12 [GMT+2]), user initials (AN), and the name André Matos Calhau. Below the header, there is a 'SAVE' button. The main section is titled 'CHARTS' and contains three input fields: 'Interval' set to 'Last week', 'Beginning date' set to '2024-09-23 16:12:28', and 'Ending date' set to '2024-09-30 16:12:28'. Below these fields is a toggle switch labeled 'Unlock' (currently off) and 'Lock'.

2.6.1.2 Common period for all components

It is also possible to define a period that will be common to all the components of a dashboard. In the dashboard settings screen, click on the calendar icon in the upper left-hand corner.

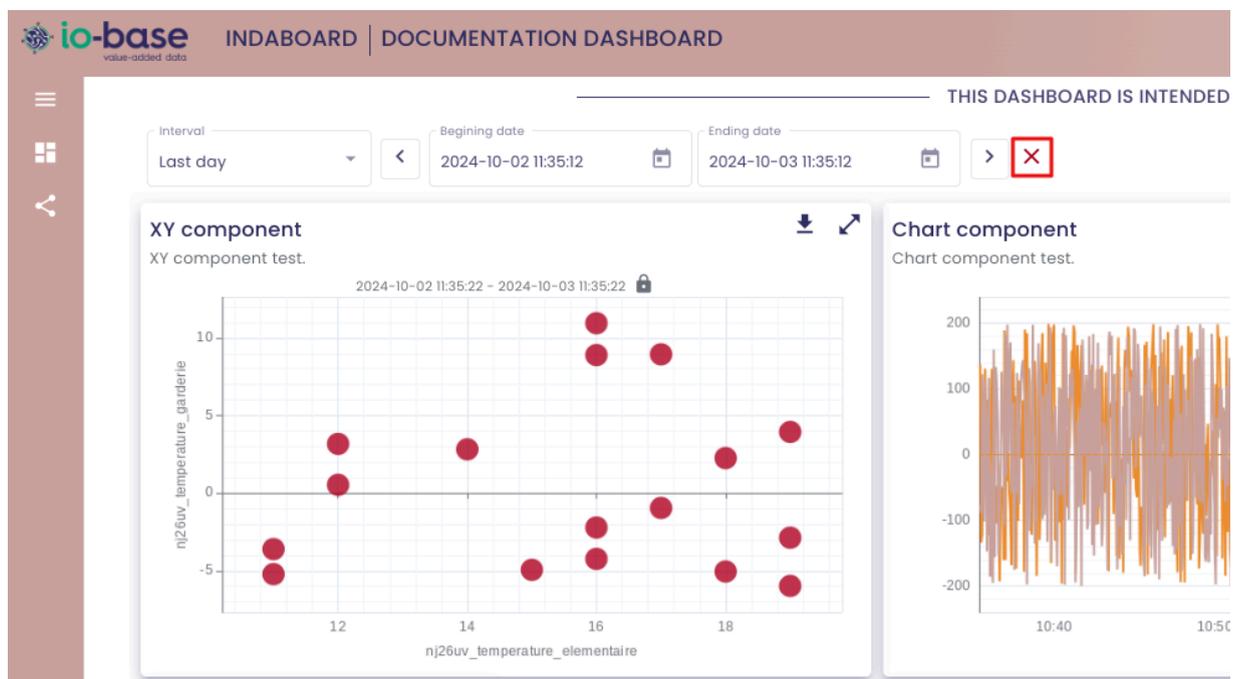


The field for selecting the period appears.



All the components of the table will then take the period of the report as their own. Thus, it is possible to easily set up monthly or weekly summaries for example.

To cancel the setting of a common period for all the components of a dashboard, simply click on the red cross next to the period selection zone. The components will then take the period that is selected in their settings.



2.6.1.3 Locking the period of a component

When a common period is set on a dashboard, it is possible to force a component to ignore this period, and to lock it on the period that is set for it. Open the component settings screen, and check the **Lock** box next to the period selection zone.


 Local time : 16:18 [GMT+2]
 
 André Matos Calhau
 

SAVE

CHARTS

Interval: Last week

Beginning date: 2024-09-23 16:12:28

Ending date: 2024-09-30 16:12:28

Unlock Lock

Premises temperature

2024-09-23 16:12:28 - 2024-09-30 16:12:28

Screens that are time-locked appear with a padlock on the dashboard screen at the top right.


 INDABOARD | DOCUMENTATION DASHBOARD
 
 Local time : 11:41 [GMT+2]
 
 André Matos Calhau
 

THIS DASHBOARD IS INTENDED FOR DOCUMENTATION PURPOSES.

Interval: Last day

Beginning date: 2024-10-02 11:35:12

Ending date: 2024-10-03 11:35:12

Refresh (1)

XY component

XY component test.

Chart component

Chart component test.

Gauge component

Gauge component test.

Metric component

Metric component test.

Piechart component

Piechart component test.

Table component

Table component test.

Stacked chart component

Stacked chart component test.

Nom	Valeur	Horodatage
nj26uv_etat_vanne_elementaire	136.72	2024-10-03 10:35:24
nj26uv_etat_vanne_elementaire	-133.58	2024-10-03 10:35:28
nj26uv_etat_vanne_elementaire	-120.55	2024-10-03 10:35:32
nj26uv_etat_vanne_elementaire	13.89	2024-10-03 10:35:35
nj26uv_etat_vanne_elementaire	28.45	2024-10-03 10:35:39

2.7. Handling a dashboard

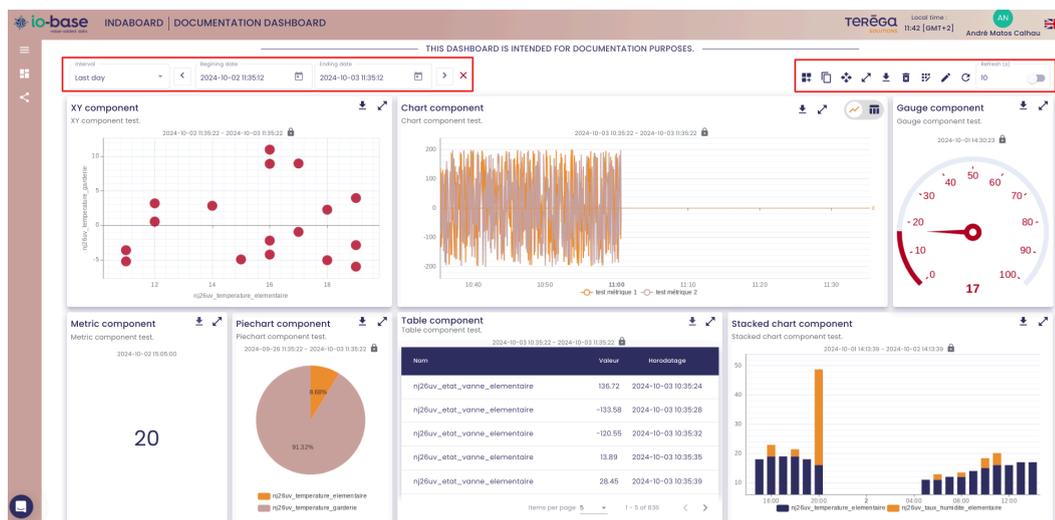
Prerequisites :

From the **io-base** portal, connect to **IndaBoard**.

Through the menu **My Dashboards**, view a dashboard from the list.

When you are on the view page of a dashboard, you can perform a number of actions.

All available actions are located at the top of the dashboard.



At the top left, you can manage the date of the dashboard (for more details, please refer to the dedicated article).

At the top right, you have access to all the other actions:

- addition of components
- duplication of components
- arrangement of components
- switch to full screen mode
- download PDF report
- delete components
- modify components
- change report properties (title and description)

Finally, you can refresh the dashboard, and set an automatic refresh, like in Indaba Explorer.

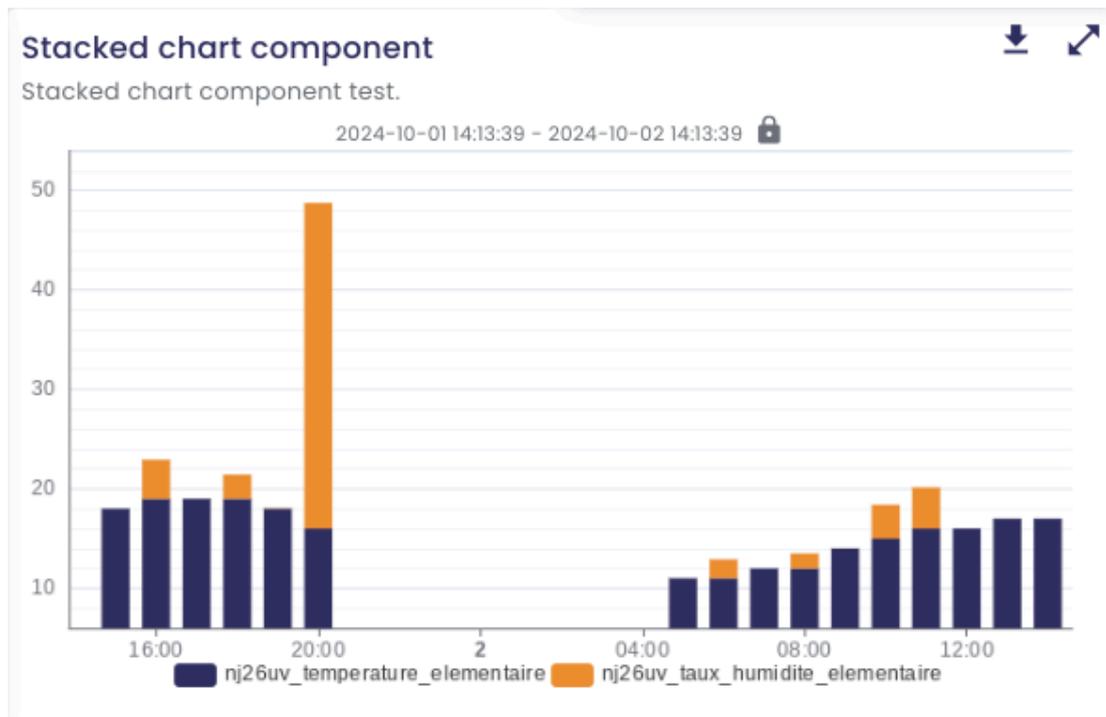
2.7.1.1 Expand dashboard components

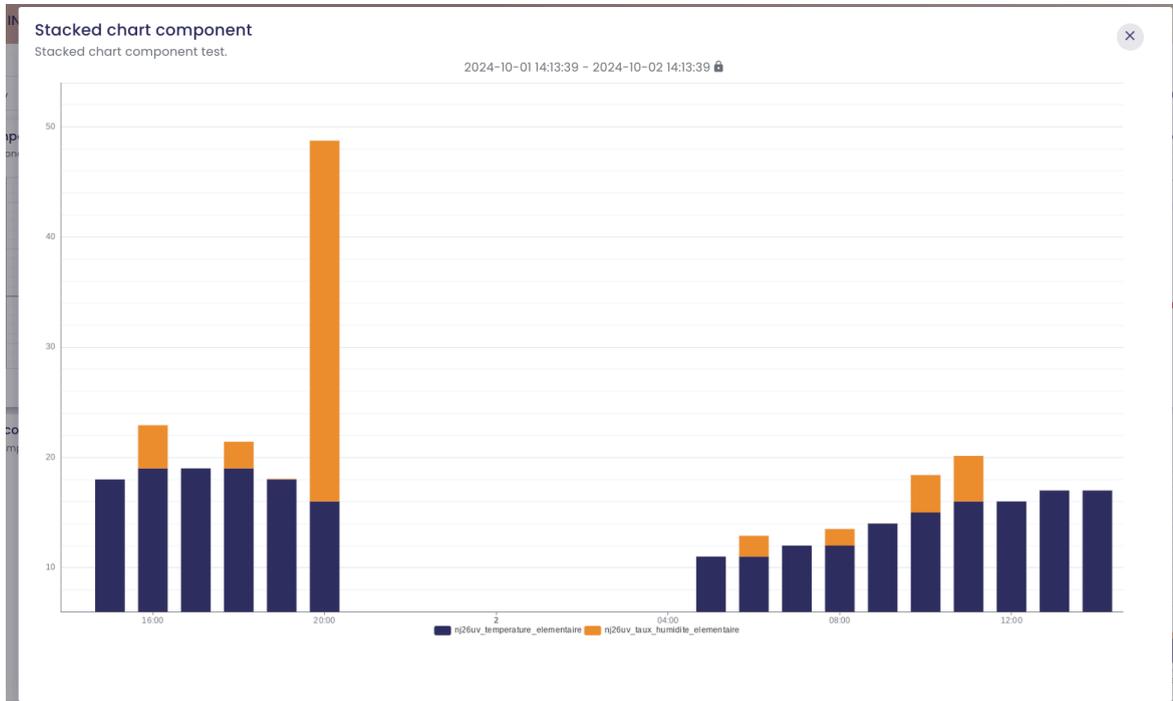
You also have the option to expand the components of a dashboard.

To do so, use the icon



located at the top right of the component.





2.8. Delete a dashboard

Prerequisites : connect to the io-base portal, and access to Indaboard.

Access to the **My dashboards** menu.

From the screen listing the dashboards, a delete icon is available in the **Actions** column. Click on this icon to delete a dashboard.

io-base INDABOARD | MY DASHBOARDS

Local time : 10:56 [GMT+2] ? andre.matoscalhou@terega.fr

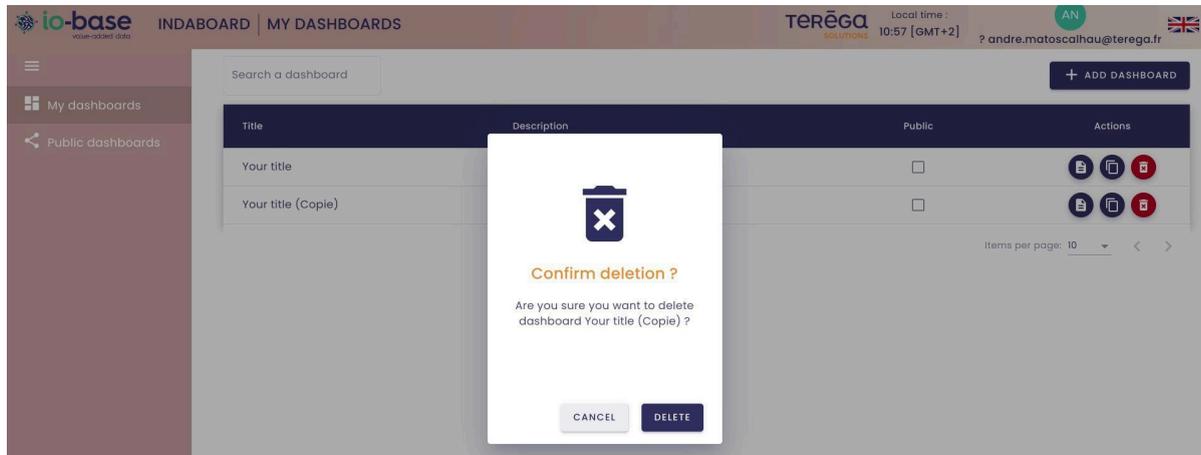
Search a dashboard

+ ADD DASHBOARD

Title	Description	Public	Actions
Your title	Your description...	<input type="checkbox"/>	
Your title (Copie)	Your description...	<input type="checkbox"/>	

Items per page: 10

A confirmation window appears.



Click on Delete to confirm the deletion of the dashboard.

The dashboard and all its components are deleted, and it disappears from the list.

3. Dashboards' components

3.1. Create a dashboard's component

Prerequisites : from the **io-base** portal, connect to **IndaBoard**.

Through the menu **My Dashboards**, view a dashboard from the list.

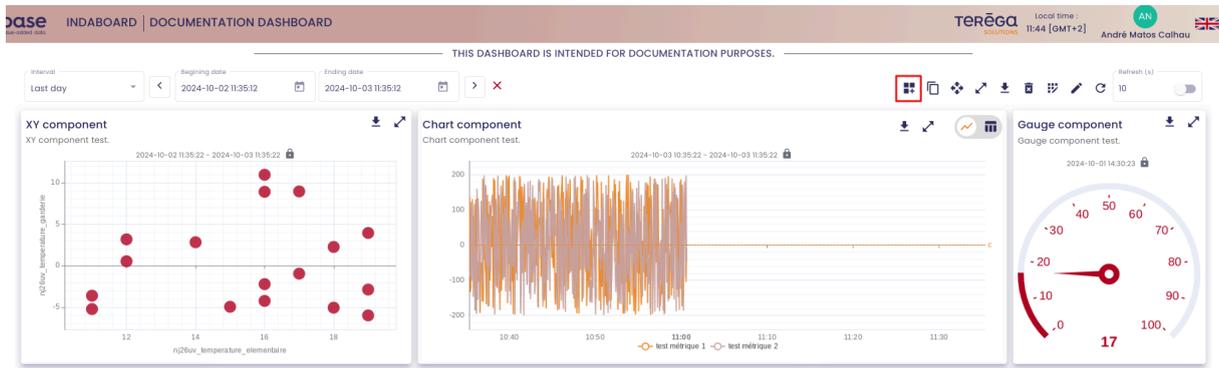
3.1.1 The components

A dashboard is a set of components, arranged on a grid.

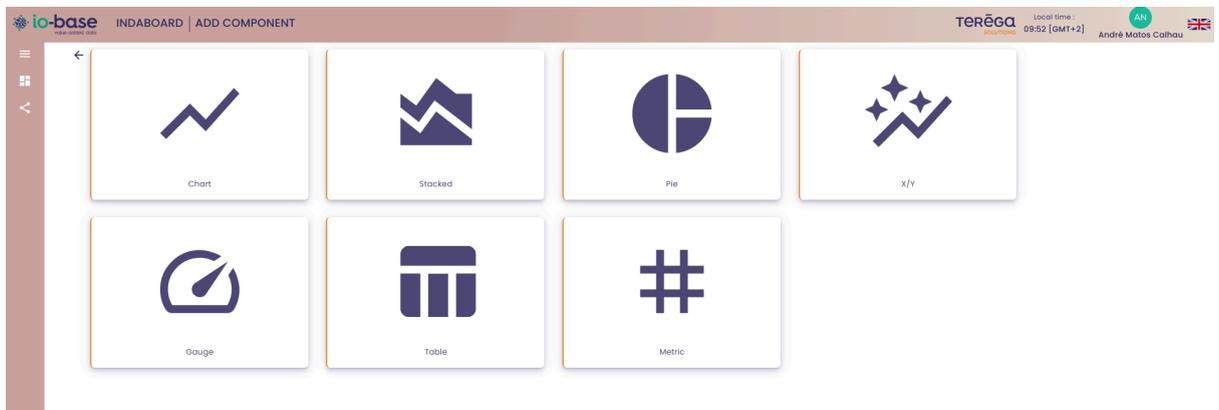
Several types of components are available:

- chart
- stacked chart
- piechart
- XY chart
- gauge
- table
- metric

To add a component, click on the icon at the top right.



The list of available components is displayed. Choose the component you want to create.

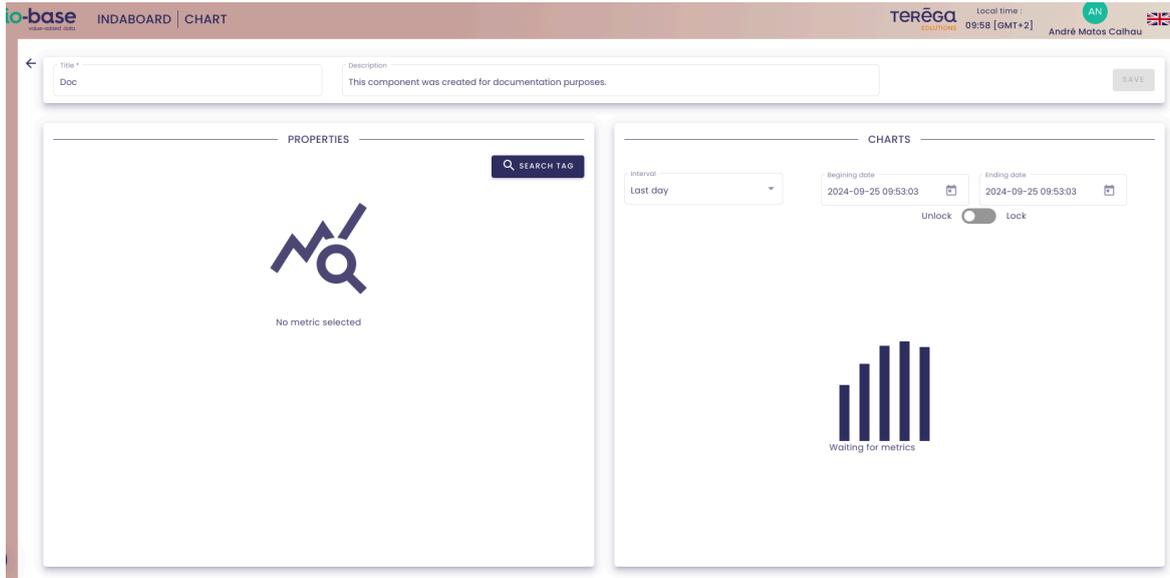


3.1.2 Creating a Graphic component

Properties : to create a graphic component, you must first enter the general information of the component:

- a title
- a description (optional)
- the period of the data involved

Note : the Lock box allows you to force the application of the selected period for this component, in case a period is chosen for the whole dashboard.



3.1.2.1 Curves

Once the general information is entered, you can select the metrics to be used, by clicking on the **Search metric** button.

METRIC SEARCH

METRICS SELECTION

By metric
By tree
By metadata

Datasource: main

Metric	Description	Unit	Action
indabox_test_int_mc		jd a unit	+
modbus_int_int0		jd a unit	+
cip_int_170		jd a unit	+
modbus_int_40103h		jd a unit	+
nj26uv_taux_humidit		jd a unit	+

Items per page: 5 < >

SELECTED METRICS

Metric	Datasource	Unit
<div style="font-size: 48px; margin-bottom: 10px;">#</div> <p>No metric selected</p>		

The usual **io-base** metric search window opens. Several tabs allow a search either from the tree structure, or by meta-data, or by metric name. When you have found the right metrics, click on the button to add them. The metrics appear in the table on the right.

You can delete the metrics from the right table by using the delete icon.

METRIC SEARCH

The screenshot displays the 'METRIC SEARCH' interface. On the left, the 'METRICS SELECTION' panel has three tabs: 'By metric', 'By tree', and 'By metadata'. The 'By tree' tab is selected. A search bar contains 'Demo GTB'. Below it, a tree structure shows 'batiments' and 'elementaire' folders. Under 'elementaire', three metrics are listed: 'nj26uv_etat_vanne_elementaire', 'nj26uv_taux_humidite_elementaire', and 'nj26uv_temperature_elementaire'. On the right, the 'SELECTED' panel shows a table with one metric: 'nj26uv_etat_vanne_elementaire'.

Note : for a graphic component, it is possible to add several metrics.

To validate the selection, click on **Save**.

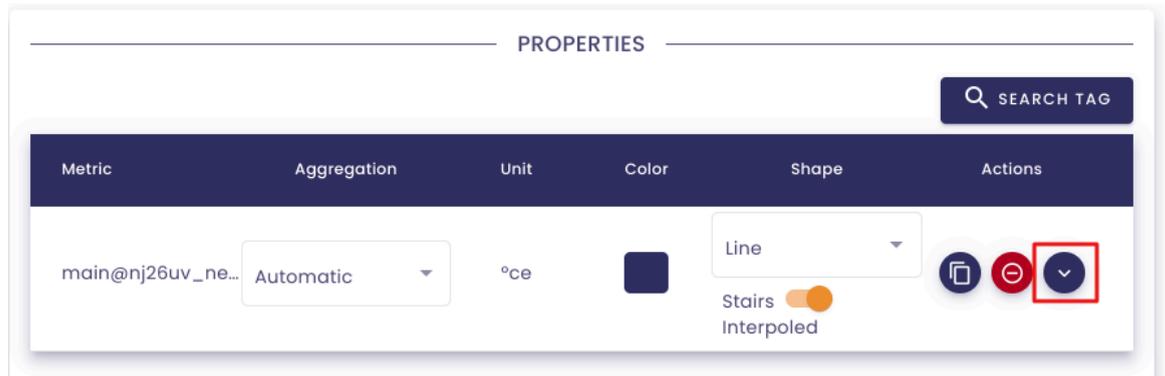
A preview of the graph is displayed on the right.

The screenshot shows the configuration and preview interface. On the left, the 'PROPERTIES' panel has a 'SEARCH TAG' field. Below it, a table lists properties for the metric 'main@nj26uv_ne...': Aggregation (Automatic), Unit (°ce), Color (dark blue), Shape (Line), and Actions (Copy, Refresh, Delete). Below this is the 'SCALES' section with fields for Unit (°ce), Min, Max, Step, Margin (%), and Default (10). The 'THRESHOLDS' section has a field for 'Axe °ce' with a value of 0. On the right, the 'CHARTS' panel shows a preview of a line graph. The graph has a y-axis from 0 to 60 and an x-axis from 12:00 to 08:00. The data shows a sawtooth pattern with a sharp drop at 20:00. The chart is titled 'Doc' and has a description: 'This component was created for documentation purposes. 2024-09-24 09:59:13 - 2024-09-25 09:59:13'. The x-axis is labeled 'nj26uv_nexobc (°ce)'.

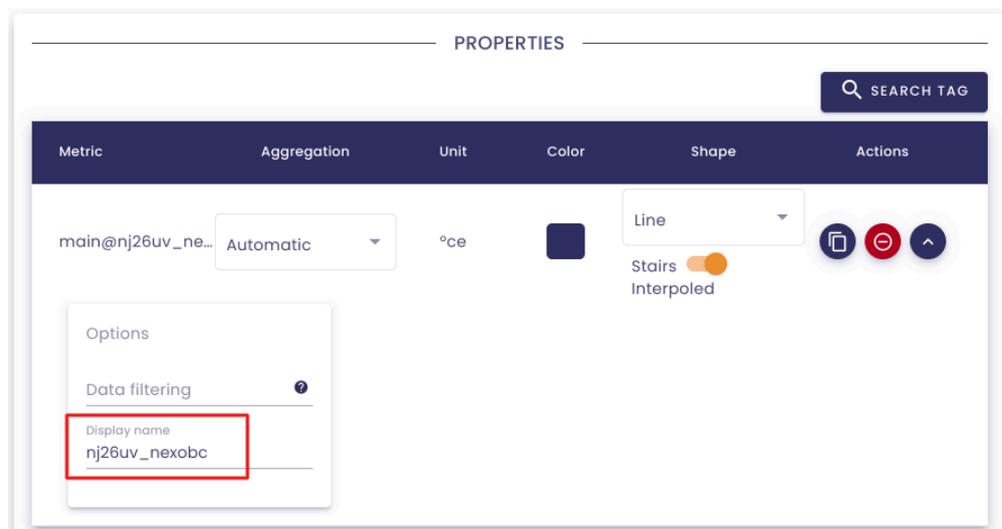
You can set several details on the charts :

- the name of the curve (which will change in the caption)

To do so, go to the **Actions** column, then click on the button enlightened below :



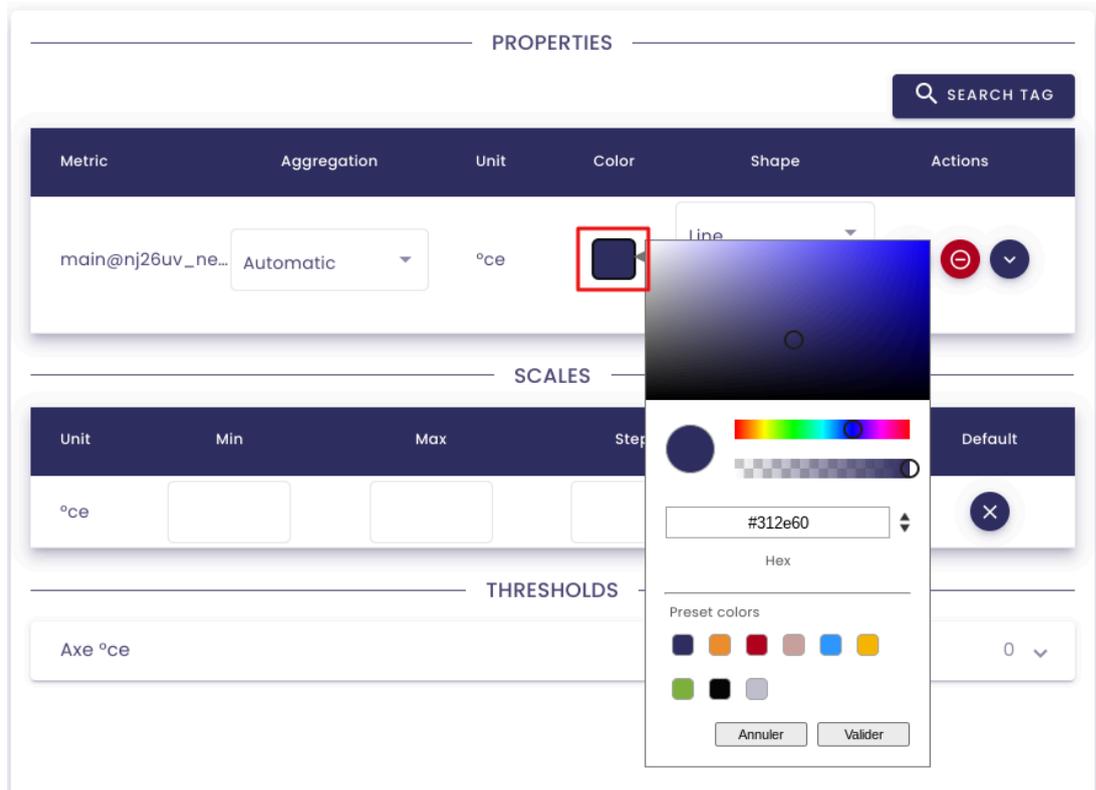
The **'Options'** section becomes visible, and contains the **'Display name'** field. Here you can enter the name you want :



- the type of aggregation used



- the color used



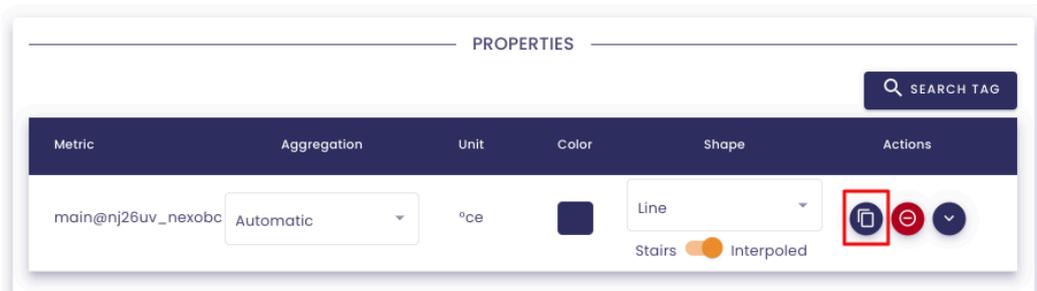
- the type of graph (histogram, curve or scatter plot)



You can also indicate whether you want the curves to appear in a staircase (straight lines from value to value) or interpolated.

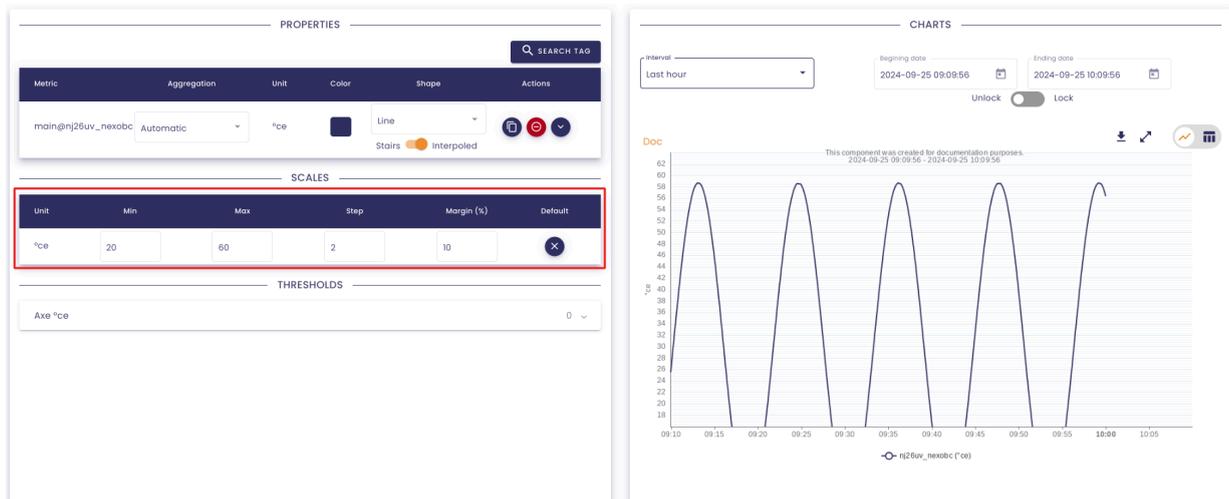


Each curve can be duplicated. To do so, go to the Actions column, and click on the boxed button below.



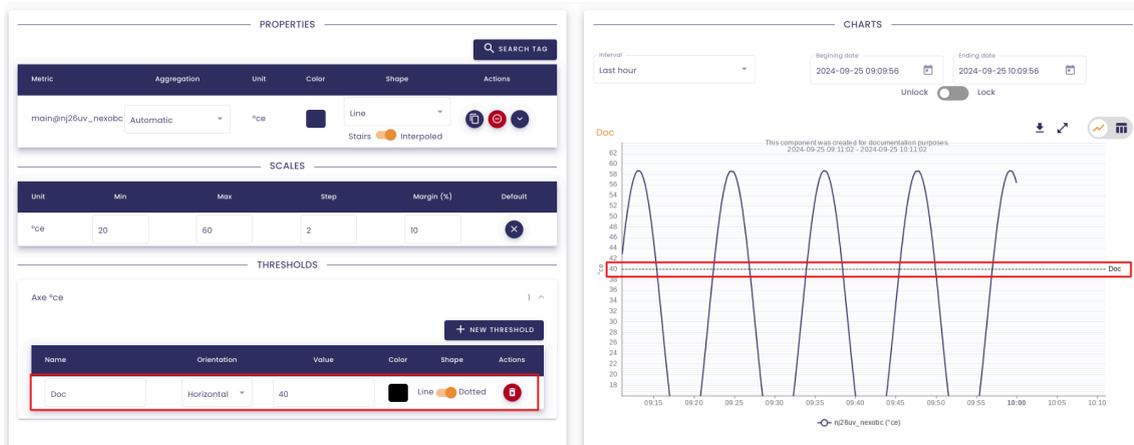
3.1.2.2 Scales

From the Scales table, you can enter minimum and maximum values for the visibility of your graph, as well as the pitch to be applied for the graduations. Each time you make a change, the graph updates on the right side to show the changes.

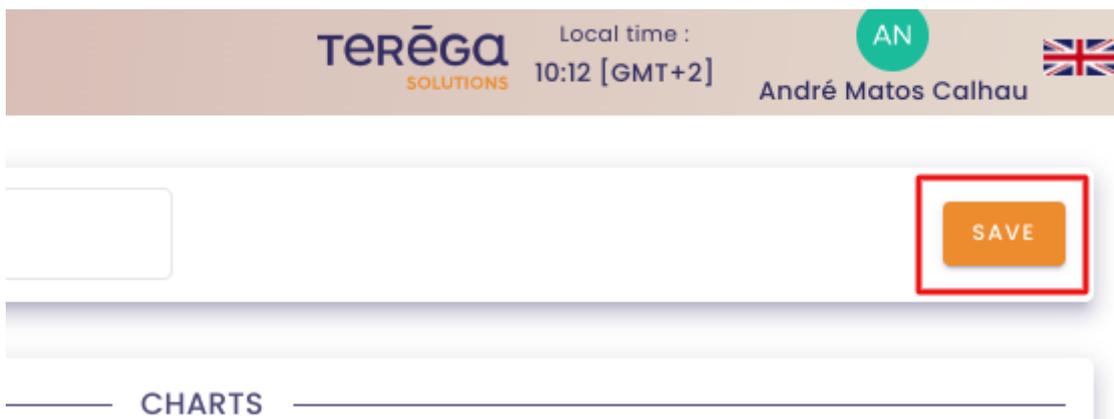


3.1.2.2 Thresholds

Finally, it is possible to define one or several thresholds (horizontal or vertical, with legend, color, and if it should appear as a continuous or dotted line).



Once all the settings are complete, you can click on Save to save and make your component appear in the dashboard.



3.1.3 Creation of a gauge component

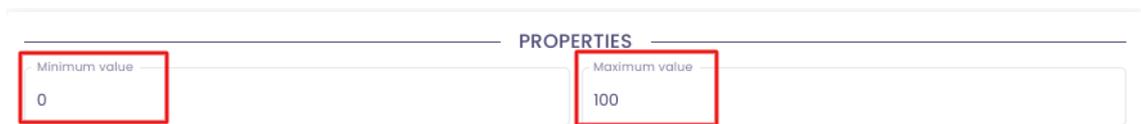
3.1.3.1 Properties

To create a gauge component, you must first enter the general information of the component:

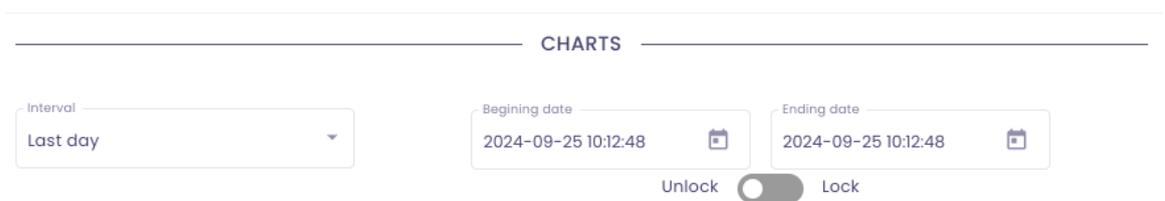
- a title
- a description (optional)



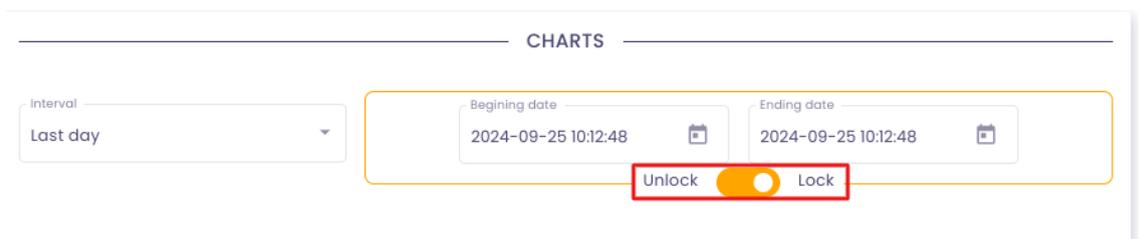
- a minimum value (start value of the gauge) and a maximum value (end value of the gauge)



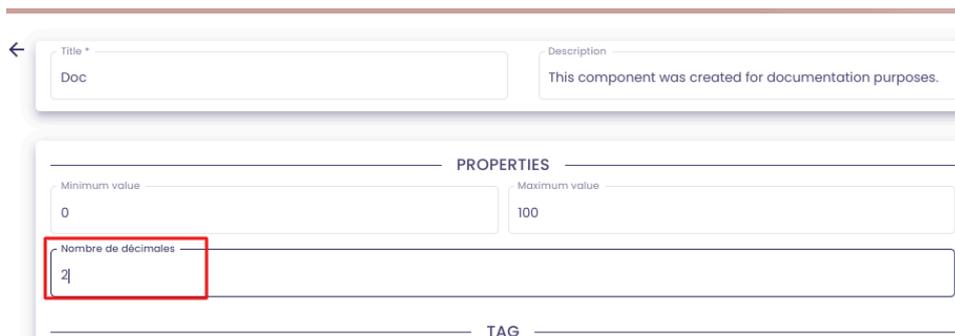
- the time interval of the data involved



Note: the Lock box allows you to force the application of the selected period for this component, in case a period is chosen for the whole dashboard.



- the number of decimal places to display on the gauge



3.1.3.2 Metrics

Once the general information is entered, you can select the metrics to be used, by clicking on the **Search metric** button.

METRIC SEARCH SAVE X

METRICS SELECTION

By metric By tree By metadata

Datasource
main

Metric name Description Unit

Metric	Description	Unit	Action
indabox_test_int_mr		jd a unit	+
modbus_int_int0		jd a unit	+
cip_int_170		jd a unit	+
modbus_int_40103h		jd a unit	+
nj26uv_taux_humidit		jd a unit	+

Items per page 5 < >

SELECTED METRICS

Metric	Datasource	Unit	Actions
#			
No metric selected			

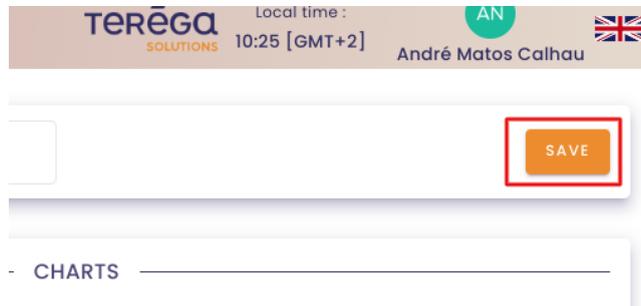
The usual io-base metric search window opens. Several tabs allow a search either from the tree structure, or by meta-data, or by metric name. When you have found the right metric, click on the button to add it. The metric appears on the right.

You can delete the metric from the right table by using the delete icon.

- the color used

TAG				
Tag	Aggregation	Unit	Color	Actions
nj26uv_nexobc	None	°ce		

Once all the settings are complete, you can click on Save to save and make your component appear in the dashboard.



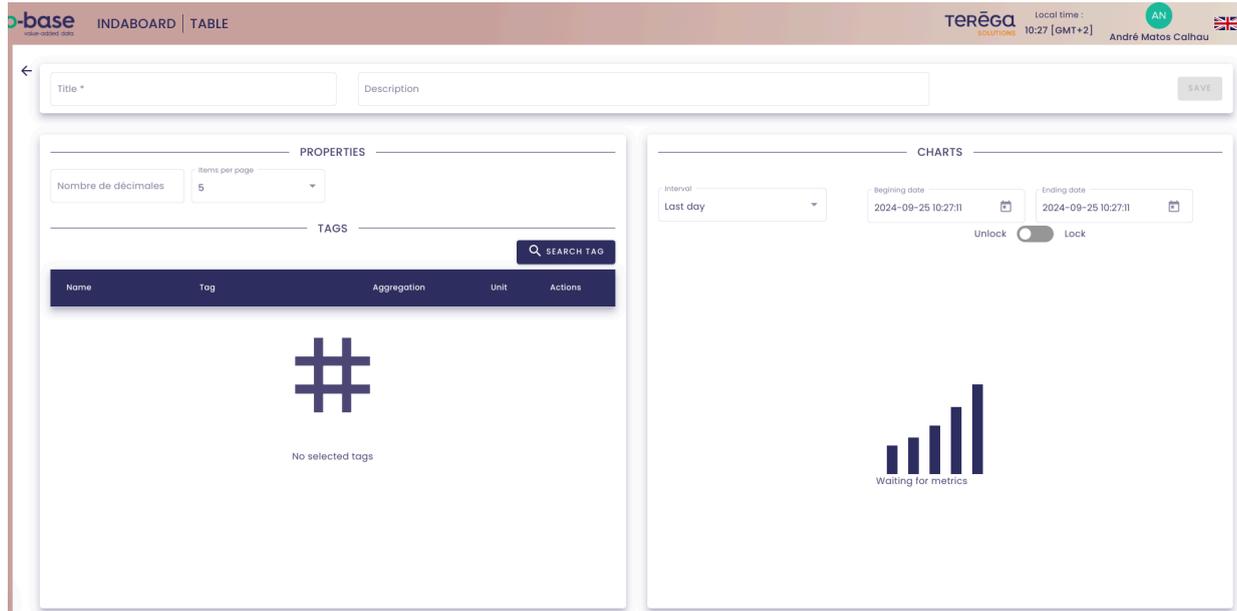
3.1.4 Creation of a table component

3.1.4.1 Properties

To create a table component, you must first enter the general information of the component:

- a title
- a description (optional)
- the time interval of the data involved
- the number of decimal places of the displayed values
- the number of elements that will appear per page in the table (number of rows in the table)

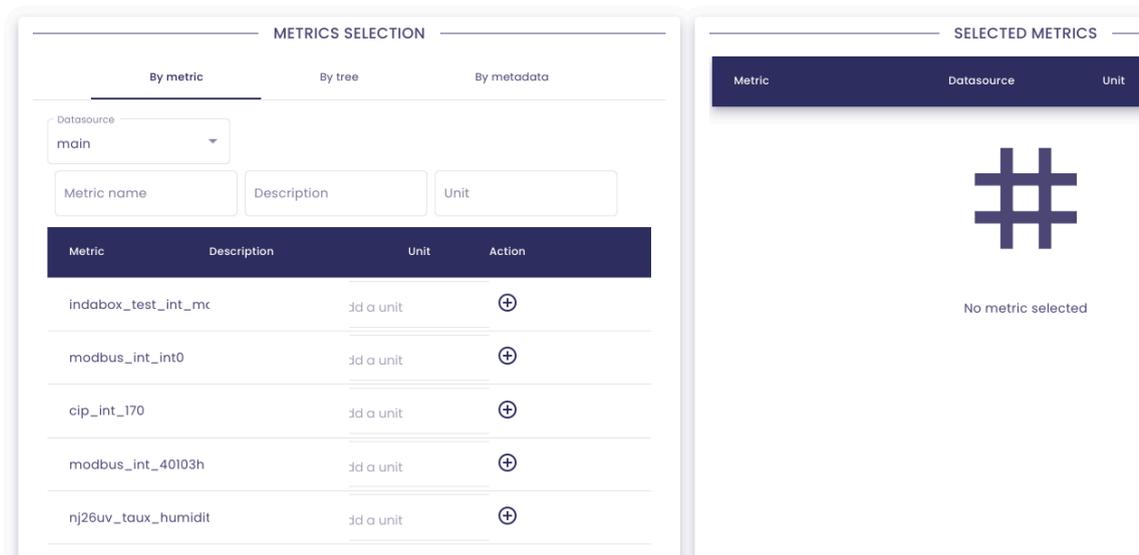
Note : The **Lock** box allows you to force the application of the selected period for this component, in case a period is chosen for the whole dashboard.



3.1.4.2 Metrics

Once the general information is entered, you can select the metrics to be used, by clicking on the Search metric button.

METRIC SEARCH



The usual **io-base** metric search window opens. Several tabs allow a search either from the tree structure, or by meta-data, or by tag name. When you have found the right metrics, click on the button to add them. The metrics appear in the table on the right.

You can delete the metrics from the right table by using the delete icon.

METRIC SEARCH

METRICS SELECTION

By metric | **By tree** | By metadata

Demo GTB

- batiments
- elementaire
- n]26uv_etat_vanne_elementaire**
- n]26uv_taux_humidite_elementaire
- n]26uv_temperature_elementaire

SELECTED METRICS

Metric	Datasource	Unit	Actions
n]26uv_etat_vanne_elementaire	main		<input type="button" value="⊖"/>

Note : for a table component, it is possible to add several metrics.

To validate the selection, click on **Save**.

A preview of the table is displayed on the right.

o-base INDashboard | TABLE TEREGA SOLUTIONS Local time: 10:31 [GMT+2] AN André Matos Calhau

Title: Doc Description: This component was created for documentation purposes.

PROPERTIES

Nombre de décimales: 5 Items per page: 5

TAGS

Name	Tag	Aggregation	Unit	Actions
n]26uv_nexobc	n]26uv_nexobc	Automatic	%ce	<input type="button" value="⊖"/> <input type="button" value="⊕"/>

CHARTS

Interval: Last day Beginning date: 2024-09-25 10:27:11 Ending date: 2024-09-25 10:27:11 Unlock Lock

Doc: This component was created for documentation purposes.

Nom	Valeur	Horodatage
n]26uv_nexobc	43.43666666666667 %ce	2024-09-24 10:31:21
n]26uv_nexobc	45.474999999999994 %ce	2024-09-24 10:31:30
n]26uv_nexobc	47.403333333333336 %ce	2024-09-24 10:31:39
n]26uv_nexobc	49.22 %ce	2024-09-24 10:31:48
n]26uv_nexobc	50.90333333333333 %ce	2024-09-24 10:31:57

Items per page: 5 1 - 5 of 602 < >

You can set several details on the table :

- the metric name (which will change in the first column of the table)
- the type of aggregation used

TAGS

Name	Tag	Aggregation	Unit	Actions
nj26uv_nexobc	nj26uv_nexobc	Automatic	°ce	 

Each line can be duplicated.

Once all the settings are complete, you can click on Save to save and make your component appear in the dashboard.

3.1.5 Creating a metric component

3.1.5.1 Properties

To create a metric component, you must first enter the general information of the component:

- a title
- a description (optional)
- the time interval of the date involved
- the number of decimal places of the displayed values

The screenshot shows the 'METRIC' configuration page in the Terëga dashboard. At the top, there's a header with 'o-base INDABOARD | METRIC' and 'Terëga SOLUTIONS' with user information. The form is divided into several sections:

- Title:** A text input field containing 'Doc'.
- Description:** A text input field containing 'This component was created for documentation purposes.' A 'SAVE' button is located to the right.
- PROPERTIES:** A section with a 'Number of digits' input field.
- TAG:** A section with a search bar 'RECHERCHER UNE MÉTRIQUE' and a table of tags. The table has columns for Tag, Aggregation, Unit, Color, and Actions. Below the table, there is a large grid icon and the text 'No selected tags'.
- CHARTS:** A section with an 'Interval' dropdown set to 'Last day', 'Beginning date' and 'Ending date' pickers set to '2024-09-25 10:41:51', and 'Unlock' and 'Lock' toggle buttons.

At the bottom of the charts section, there is a bar chart icon and the text 'Waiting for metrics'.

Note : the Lock box allows you to force the application of the selected period for this component, in case a period is chosen for the whole dashboard.

CHARTS

Interval

Last day ▼

Beginning date

2024-09-25 10:41:51 📅

Ending date

2024-09-25 10:41:51 📅

Unlock Lock

3.1.5.2 Metrics

Once the general information is entered, you can select the metrics to be used, by clicking on the **Search metric** button.

METRIC SEARCH SAVE X

METRICS SELECTION

By metric By tree By metadata

Datasource
main ▼

Metric name Description Unit

Metric	Description	Unit	Action
indabox_test_int_mc		jd a unit	⊕
modbus_int_int0		jd a unit	⊕
cip_int_170		jd a unit	⊕
modbus_int_40103h		jd a unit	⊕
nj26uv_taux_humidit		jd a unit	⊕

Items per page 5 < >

SELECTED METRICS

Metric	Datasource	Unit	Actions
<h1>#</h1> <p>No metric selected</p>			

The usual **io-base** metric search window. Several tabs allow a search either from the tree structure, or by meta-data, or by metric name. When you have found the right metric, click on the button to add it. The metrics appear in the table on the right.

You can delete the metric from the right table by using the delete icon.

The screenshot shows the 'METRIC SEARCH' interface. On the left, the 'METRICS SELECTION' panel has three tabs: 'By metric', 'By tree', and 'By metadata'. The 'By tree' tab is active, showing a search bar with 'Demo GTB' and a search icon. Below the search bar, there are several metric entries with their respective delete and add icons. On the right, the 'SELECTED METRICS' panel shows a table with the following data:

Metric	Datasource	Unit	Actions
nj26uv_etat_vanne_elementaire	main		

Note : for a metric component, it is possible to add a single metric.

To validate the selection, click on Save.

A preview of the table is displayed on the right.

The screenshot shows the 'INDABOARD METRIC' configuration page. The 'CHARTS' section is active, displaying a preview of a temperature chart. The chart shows a value of 56.4 °ce. The chart configuration includes an interval of 'Last day', a beginning date of '2024-09-25 10:45:13', and an ending date of '2024-09-25 10:45:13'. There are 'Unlock' and 'Lock' toggle buttons. The chart also includes a 'Doc' label and a note: 'This component was created for documentation purposes.'

You can set several details on the table:

- the type of aggregation used
- the color used

TAG

RECHERCHER UNE MÉTRIQUE

Tag	Aggregation	Unit	Color	Actions
nj26uv_nexobc	None	°ce	■	

You can also replace the selected metric using the 'Replace' button in the **Actions** column.

TAG

RECHERCHER UNE MÉTRIQUE

Tag	Aggregation	Unit	Color	Actions
nj26uv_nexobc	None	°ce	■	

Once all the settings are complete, you can click on Save to save and make your component appear in the dashboard.



Local time :
10:50 [GMT+2]

AN



André Matos Calhau

SAVE

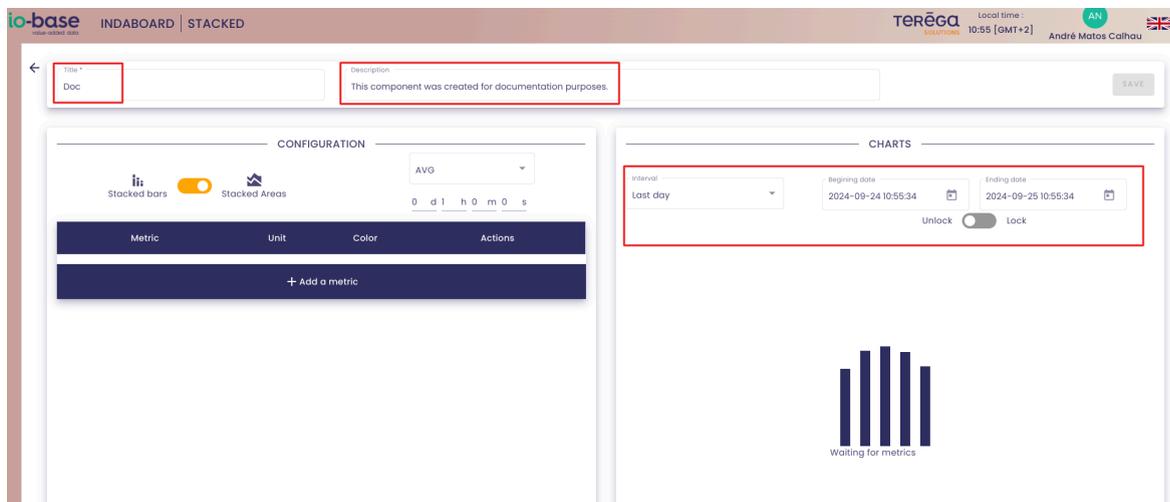
CHARTS

3.1.6 Creating a stacked chart component

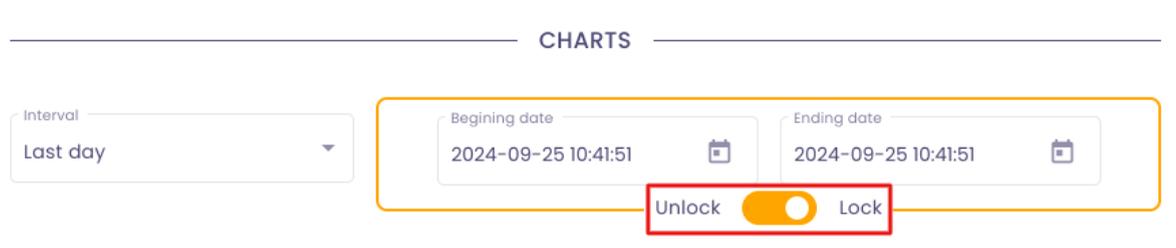
3.1.6.1 Configuration

To create a component, you must start by entering the general information of the component :

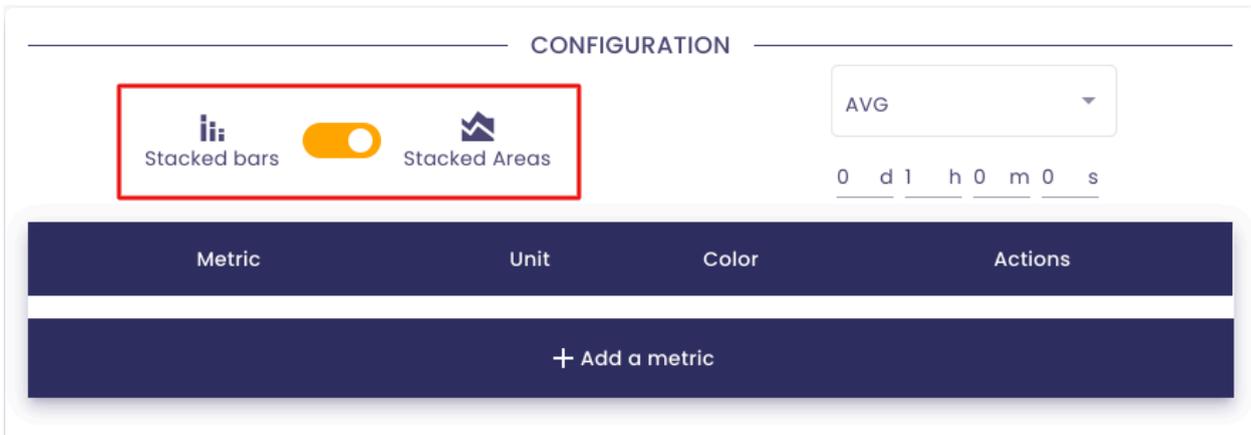
- a title
- a description (optional)
- the period of the relevant data :



Note : the **Lock** box allows you to force the application of the selected period for this component, in case a period is chosen for the whole dashboard.

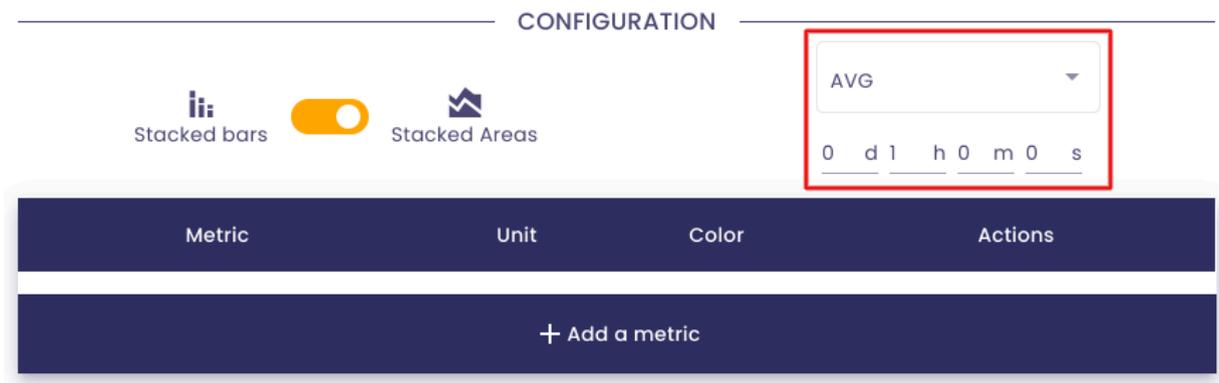


- the type of stacked chart : stacked bars or stacked areas



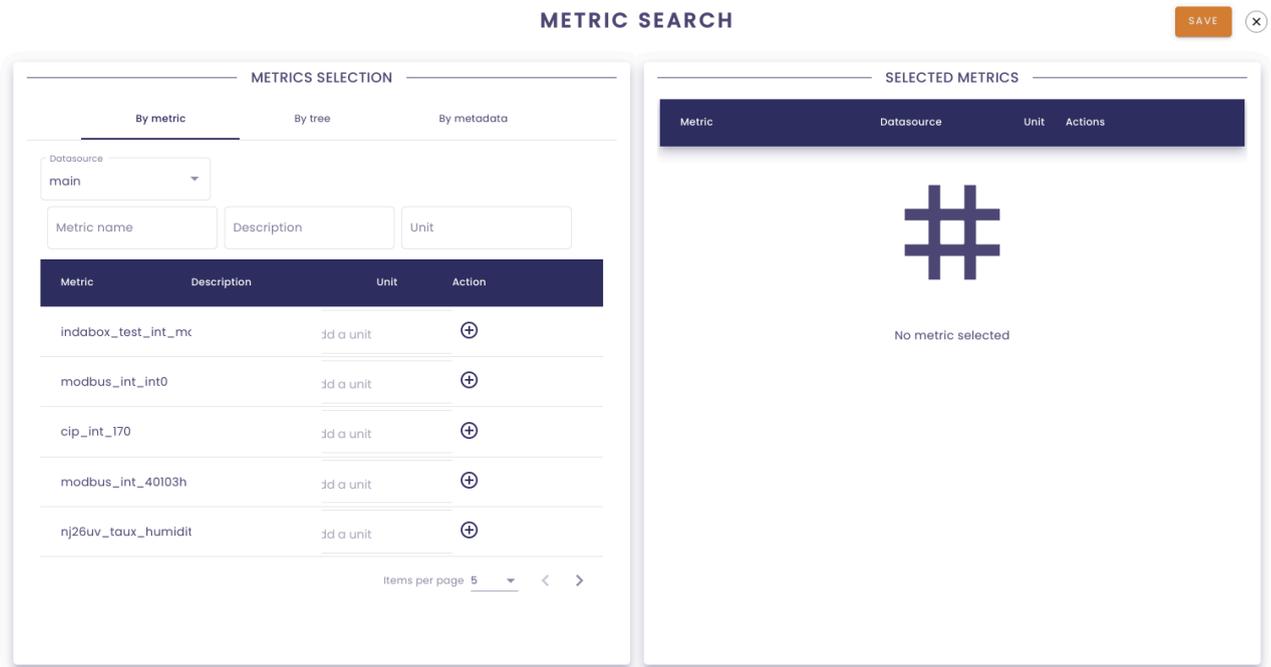
- the aggregation to apply to the graphics and the reference duration :

For example, if we want to get the average of the values every hour, we select the aggregation '**AVG**' and indicate 1h as the duration :



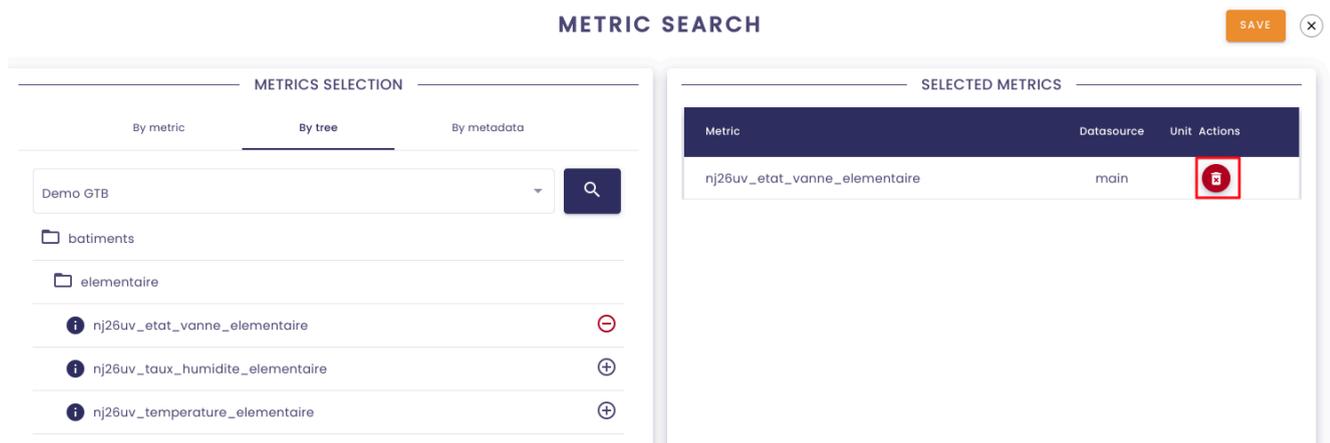
3.1.6.2 Metric

Once the general information is entered, you can select the metrics to use by clicking on the '**Search metric**' button.



The usual **io-base** metric search window. Several tabs allow a search either from the tree structure, or by meta-data, or by metric name. When you have found the right metric, click on the button to add it. The metrics appear in the table on the right.

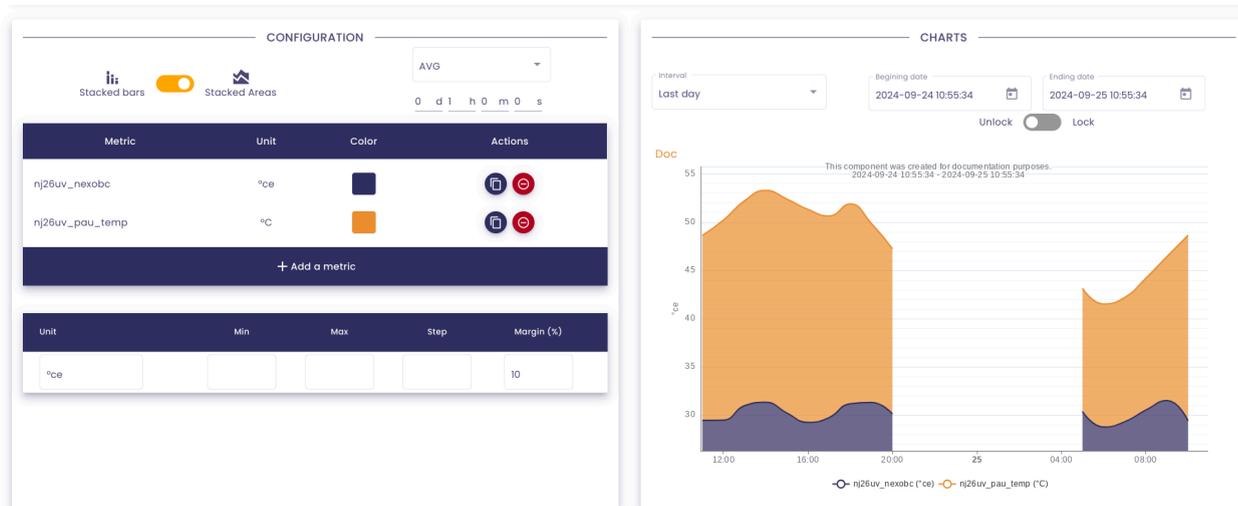
You can delete the metric from the right table by using the delete icon.



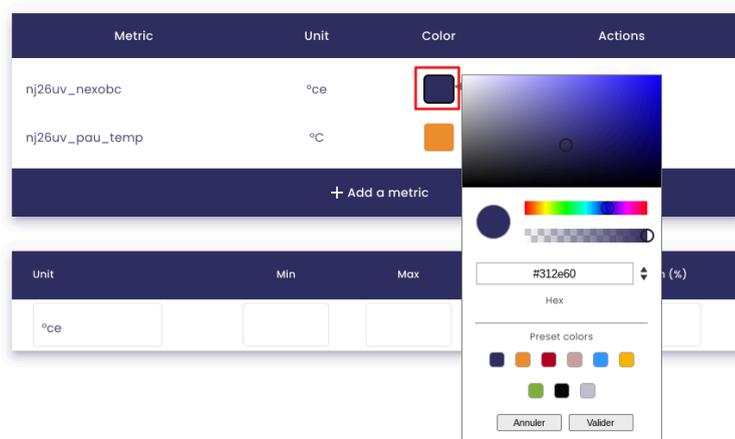
Note : for a stacked chart component, it is possible to add several metrics.

To confirm the selection, click on **Save**.

A preview of the component will appear on the right.



You can configure the color used for displaying the graphs :



Each curve can be duplicated. To do so, in the **Actions** column, click on the button outlined below :

CONFIGURATION

Stacked bars
 Stacked Areas

AVG ▼
 0 d 1 h 0 m 0 s

Metric	Unit	Color	Actions
nj26uv_nexobc	°ce		📄 ⊖
nj26uv_pau_temp	°C		📄 ⊖

+ Add a metric

You can also enter minimum and maximum visibility values for your graphic, as well as the interval to apply for the graduations. With each change, the graphic updates on the right side to visualize the changes.

CONFIGURATION

Stacked bars
 Stacked Areas

AVG ▼
 0 d 1 h 0 m 0 s

Metric	Unit	Color	Actions
nj26uv_nexobc	°ce		📄 ⊖
nj26uv_pau_temp	°C		📄 ⊖

+ Add a metric

Unit	Min	Max	Step	Margin (%)
°ce	30	50	2	10

CHARTS

Interval ▼
 Last day

Beginning date 📅
 2024-09-24 10:55:34

Ending date 📅
 2024-09-25 10:55:34

Unlock Lock

Doc

This component was created for documentation purposes.
2024-09-24 10:55:34 - 2024-09-25 10:55:34

● nj26uv_nexobc (°ce)
 ● nj26uv_pau_temp (°C)

Once all the settings are complete, you can click on **Save** to save and make your component appear in the dashboard.

Local time :
 10:50 [GMT+2]

AN

André Matos Calhau

SAVE

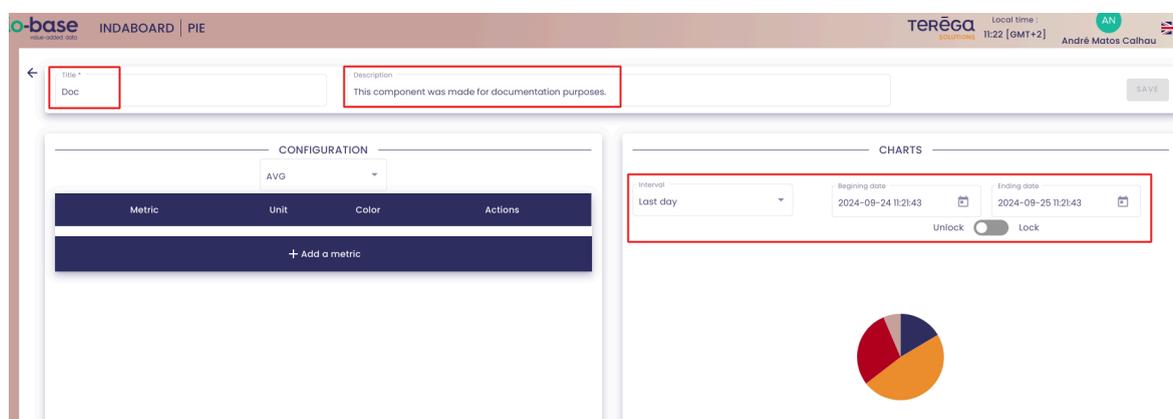
CHARTS

3.1.7 Creating a pie chart component

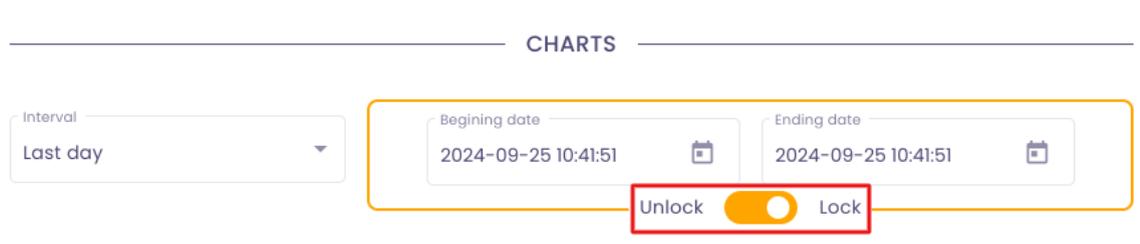
3.1.7.1 Configuration

To create a pie chart component, you must start by entering the general information of the component:

- a title
- a description (optional)
- the period of the relevant data



Note : the **Lock** box allows you to force the application of the selected period for this component, in case a period is chosen for the whole dashboard.



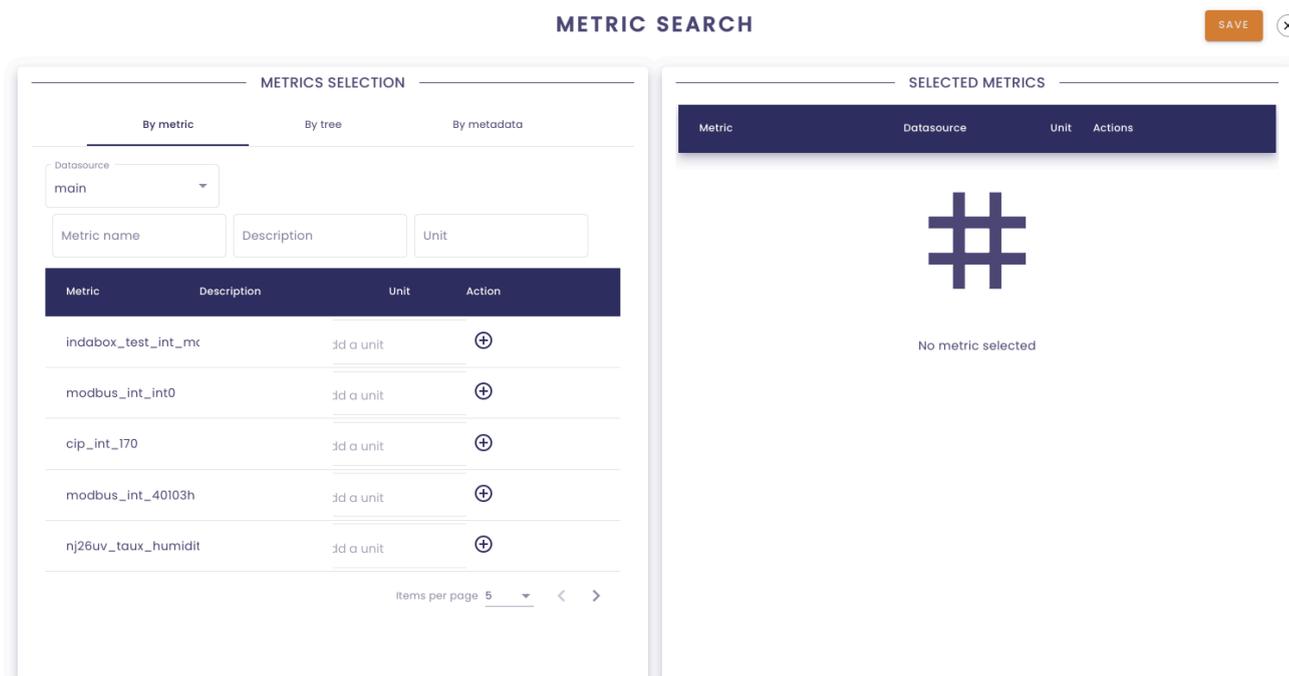
- the aggregation to apply to the values :

For example, if we want to get the average of the values of a metric, we select the aggregation '**AVG**' :



3.1.7.2 Metric

Once the general information is entered, you can select the metrics to use by clicking on the **'Search metric'** button.



The usual **io-base** metric search window. Several tabs allow a search either from the tree structure, or by meta-data, or by metric name. When you have found the right metric, click on the button to add it. The metrics appear in the table on the right.

You can delete the metric from the right table by using the delete icon.

METRIC SEARCH

SAVE ✕

METRICS SELECTION

By metric **By tree** By metadata

Demo GTB 🔍

- batiments
- elementaire
 - nj26uv_etat_vanne_elementaire** ⊖
 - nj26uv_taux_humidite_elementaire ⊕
 - nj26uv_temperature_elementaire ⊕

SELECTED METRICS

Metric	Datasource	Unit	Actions
nj26uv_etat_vanne_elementaire	main		🗑️

Note : for a pie chart component, it is possible to add several metrics.

To confirm the selection, click on **Save**.

A preview of the component will appear on the right.

CONFIGURATION

AVG

Metric	Unit	Color	Actions
nj26uv_nexobc	°ce	🟠	🗑️ 🔄
nj26uv_pau_temp	°C	🟢	🗑️ 🔄

[+ Add a metric](#)

CHARTS

Interval: Last day Beginning date: 2024-09-24 11:21:43 Ending date: 2024-09-25 11:21:43

Unlock Lock

Doc

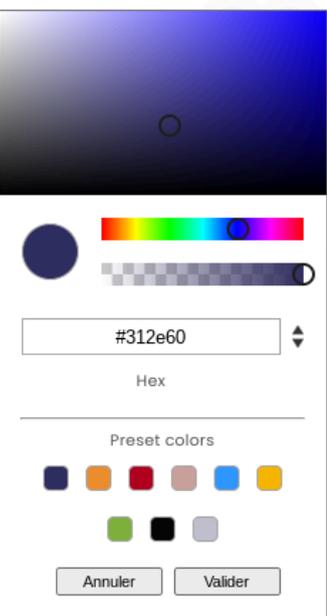
This component was made for documentation purposes.
2024-09-24 11:21:43 - 2024-09-25 11:21:43

Legend: nj26uv_nexobc (°ce) nj26uv_pau_temp (°C)

You can configure the color used for displaying the pie charts :

CONFIGURATION

AVG

Metric	Unit	Color	Actions
nj26uv_nexobc	°ce		
nj26uv_pau_temp	°C		

+ Add a metric

#312e60
Hex

Preset colors

Annuler Valider

Each metric can be duplicated. To do so, in the **Actions** column, click on the boxed button below :

CONFIGURATION

AVG

Metric	Unit	Color	Actions
nj26uv_nexobc	°ce		 
nj26uv_pau_temp	°C		 

+ Add a metric

Once all the settings are complete, you can click on **Save** to save and make your component appear in the dashboard.



Local time :
 10:50 [GMT+2]

AN


SAVE

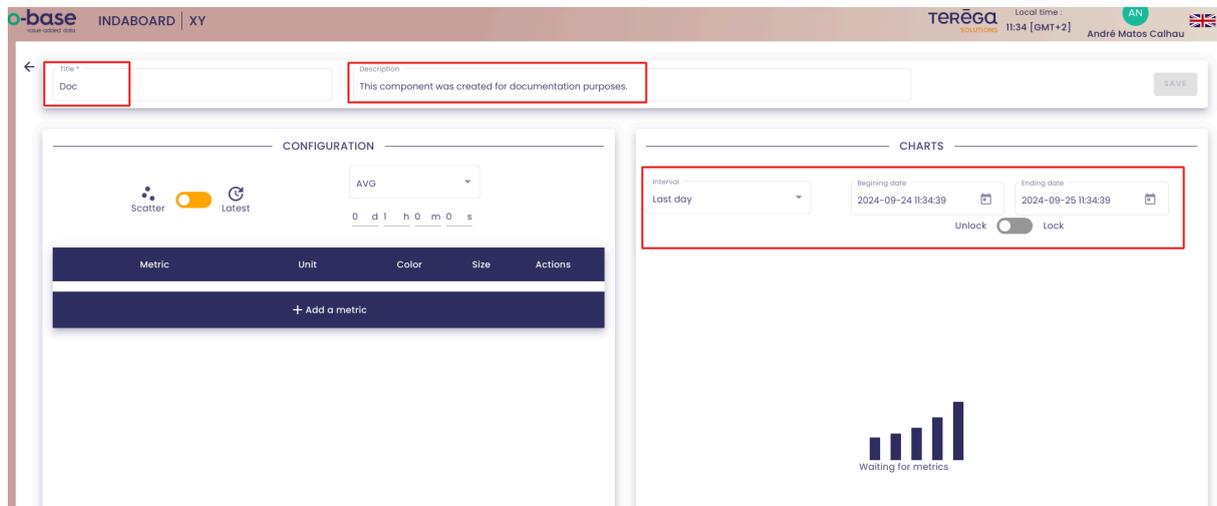
CHARTS

3.1.8 Creating an XY chart component

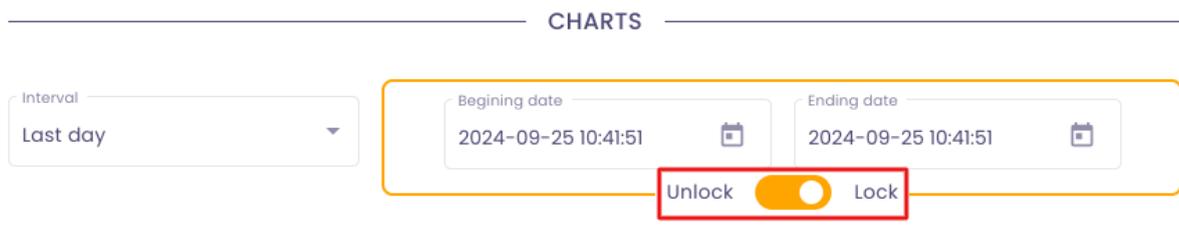
3.1.8.1 Configuration

To create an X/Y graphic component, you must start by entering the general information of the component :

- a title
- a description (optional)
- the period of the relevant data



Note : the **Lock** box allows you to force the application of the selected period for this component, in case a period is chosen for the whole dashboard.



- data filter :
 - scatter plot
 - latest value



3.1.8.2 Metric

Once the general information is entered, you can select the metrics to use by clicking on the **'Search metric'** button.

METRIC SEARCH SAVE ✕

METRICS SELECTION

By metric | By tree | By metadata

Datasource: main

Metric name: [] Description: [] Unit: []

Metric	Description	Unit	Action
indabox_test_int_mc		3d a unit	+
modbus_int_int0		3d a unit	+
cip_int_170		3d a unit	+
modbus_int_40103h		3d a unit	+
nj26uv_taux_humidit		3d a unit	+

Items per page 5 < >

SELECTED METRICS

Metric	Datasource	Unit	Actions
 No metric selected			

The usual **io-base** metric search window. Several tabs allow a search either from the tree structure, or by meta-data, or by metric name. When you have found the right metric, click on the button to add it. The metrics appear in the table on the right.

You can delete the metric from the right table by using the delete icon.

METRIC SEARCH SAVE ✕

METRICS SELECTION

By metric | **By tree** | By metadata

Demo GTB

batiments

elementaire

- nj26uv_etat_vanne_elementaire ⊖
- nj26uv_taux_humidite_elementaire +
- nj26uv_temperature_elementaire +

SELECTED METRICS

Metric	Datasource	Unit	Actions
nj26uv_etat_vanne_elementaire	main		⊖

Note : for a XY chart component, you have to add two metrics.

To confirm the selection, click on **Save**.

A preview of the component will appear on the right.

The image shows two side-by-side panels. The left panel, titled 'CONFIGURATION', has a 'Scatter' toggle and a 'Latest' refresh icon. It features a table with columns for Metric, Unit, Color, Size, and Actions. Two metrics are listed: 'nj26uv_nexobc' (unit °ce, size 5) and 'nj26uv_pau_temp' (unit °C). Below this is an 'Add a metric' button and a table for axis configuration with columns for Metric, Min, Max, Step, and Margin (%). The right panel, titled 'CHARTS', shows a preview of a scatter plot with 'nj26uv_pau_temp' on the y-axis and 'nj26uv_nexobc' on the x-axis. It includes date pickers for 'Last day', 'Beginning date', and 'Ending date', and 'Unlock'/'Lock' toggles.

You can configure several elements in the graphic :

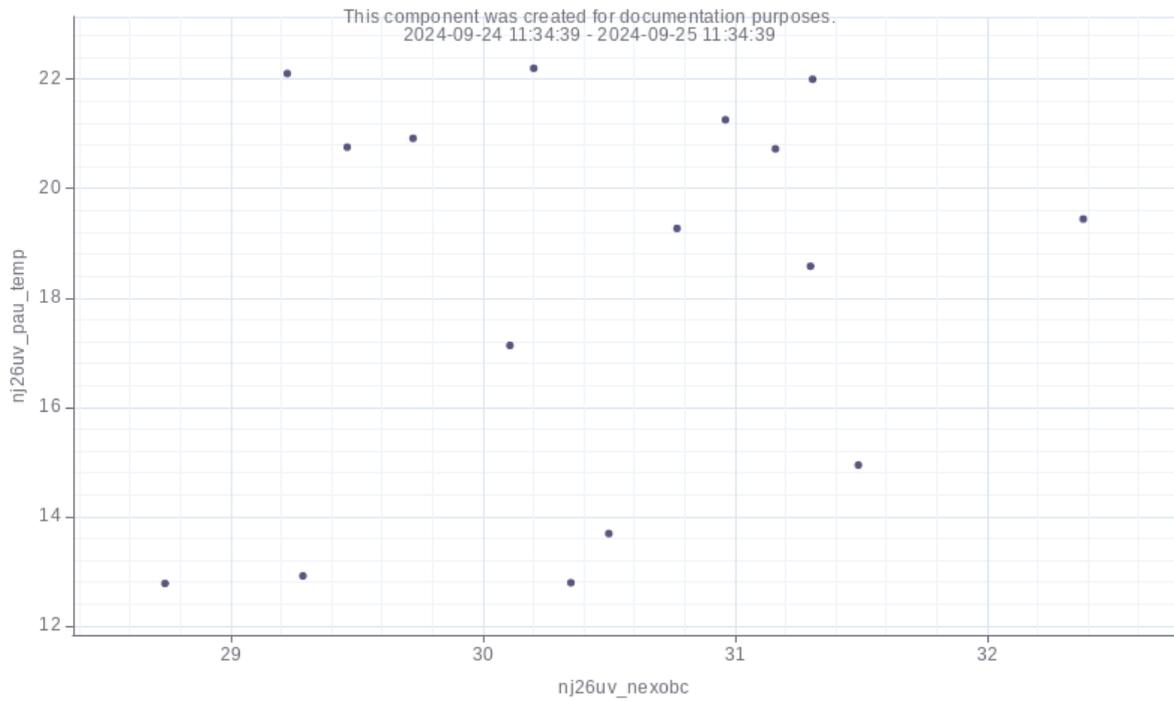
- the size of the displayed points :

This is a close-up of the configuration table from the previous image. The 'Size' column for the 'nj26uv_nexobc' metric is highlighted with a red box, showing the value '5'. The table has columns for Metric, Unit, Color, Size, and Actions.

Metric	Unit	Color	Size	Actions
nj26uv_nexobc	°ce	■	5	📄 ⓧ
nj26uv_pau_temp	°C			📄 ⓧ

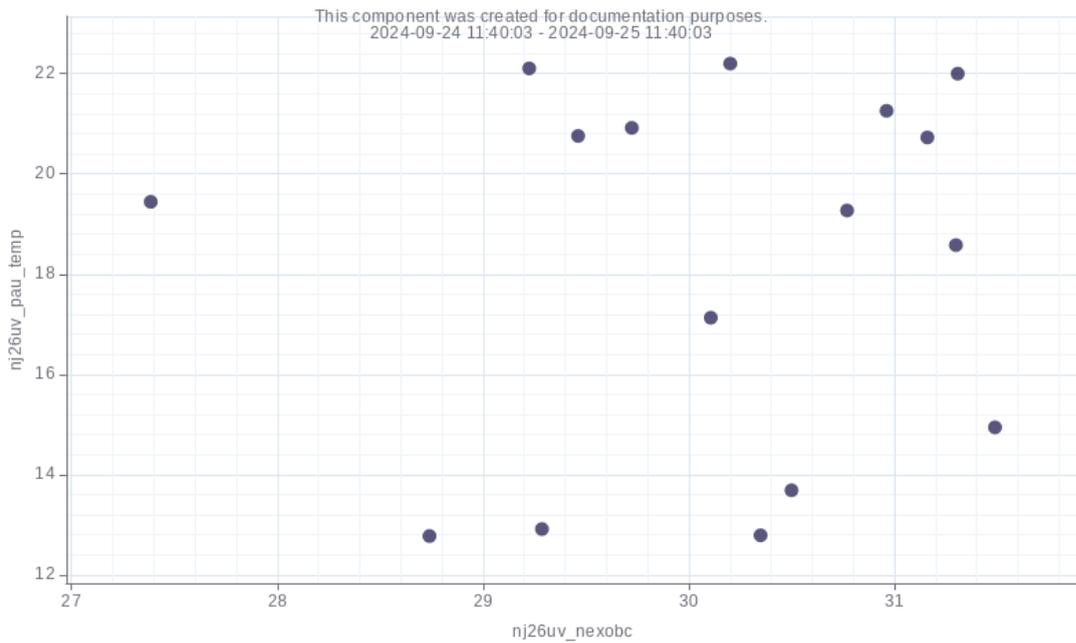
For example, if we specify size 5, the points of the component will look be :

Doc

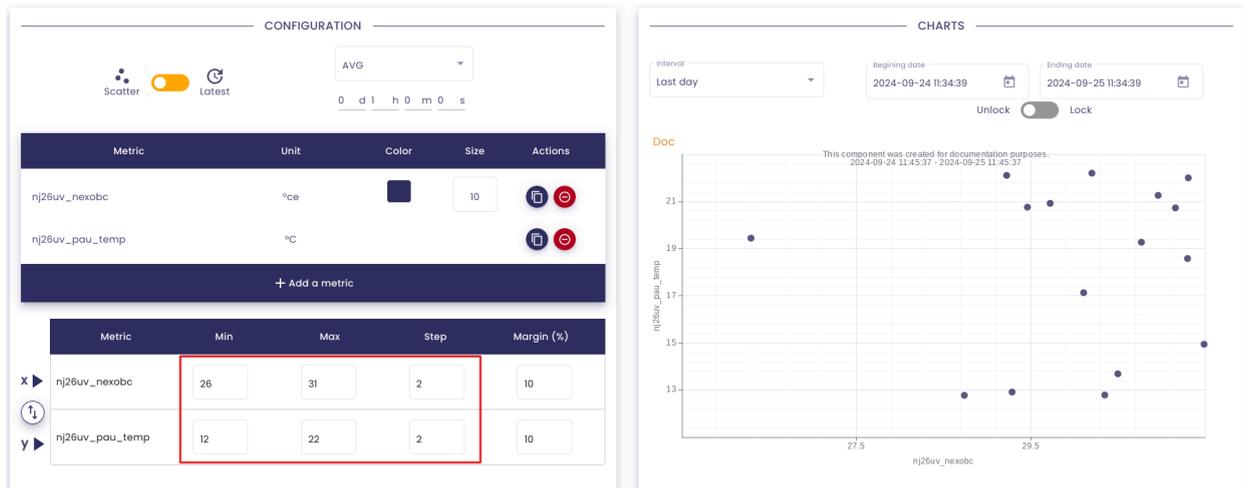


And with size 10 :

Doc



Then, for each metric, you can also enter minimum and maximum visibility values for your graphic, as well as the interval to apply for the graduations. With each change, the graphic updates on the right side to visualize the changes.



You can reverse the metrics on the y-axis / x-axis in the graphic; to do this, click on the button outlined below :

	Metric	Min	Max	Step	Margin (%)
x ▶	nj26uv_nexobc	26	31	2	10
					
y ▶	nj26uv_pau_temp	12	22	2	10

3.1.8.3 Abacus

This feature allows you to represent a specific process through a mathematical line or curve on your chart. By using a variable that represents the x-axis values, you can model relationships and easily visualize trends unique to your processes.

To add an abacus, click on "**New abacus.**"

SCALES

	Metric	Min	Max	Step	Margin (%)
x ▶	nj26uv_nexobc	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="10"/>
↕					
y ▶	nj26uv_pau_temp	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="10"/>

ABACUS

+ NEW ABACUS

Various configuration fields will appear.

Start by entering the equation for the line you wish to display on the chart.

To construct your equation, you must use a variable.

Syntax : to indicate the variable representing the x-axis values, enter "x".

For example, the equation can be $2+(x^2)$.

ABACUS

[+ NEW ABACUS](#)

Equation $2+(x^2)$	Label	—	
-----------------------	-------	---	--

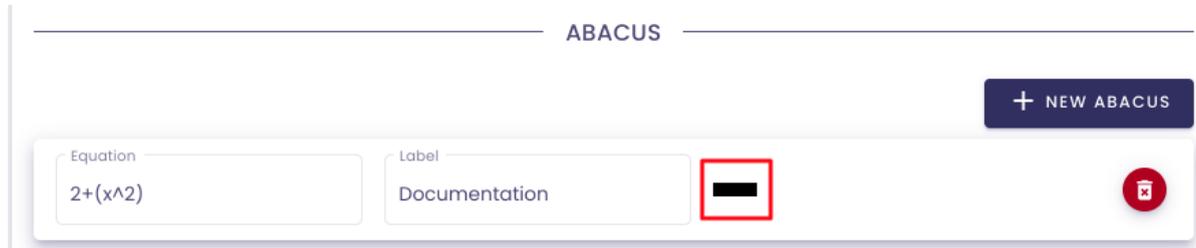
Provide a label for your variable :

ABACUS

[+ NEW ABACUS](#)

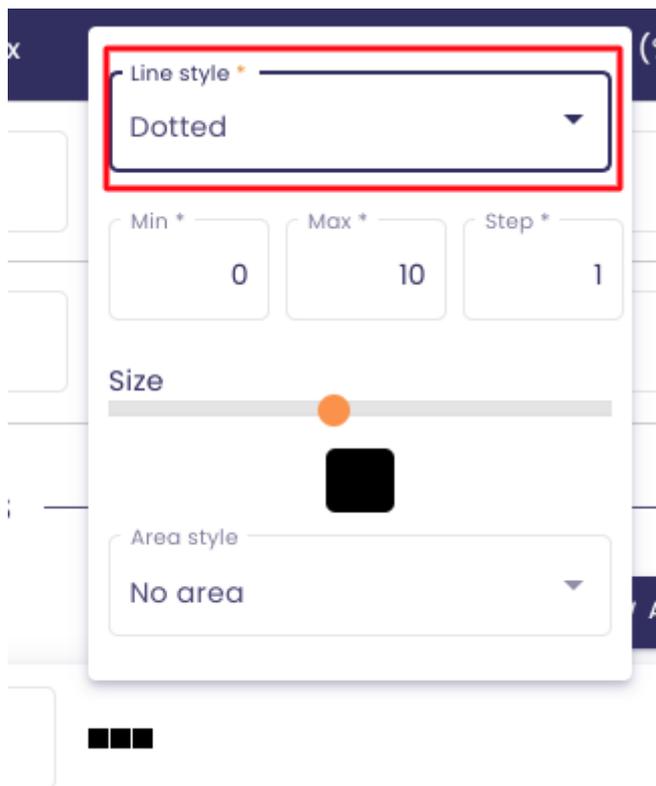
Equation $2+(x^2)$	Label Documentation	—	
-----------------------	------------------------	---	--

Next, click on the icon representing your line to configure it :

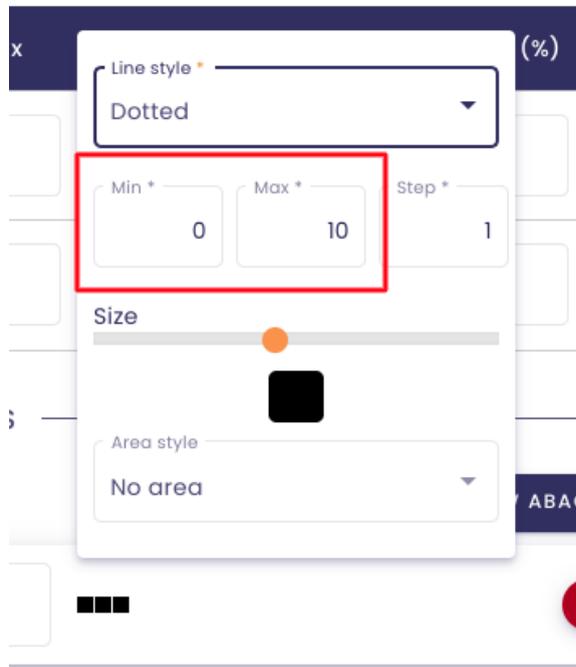


You can then set up :

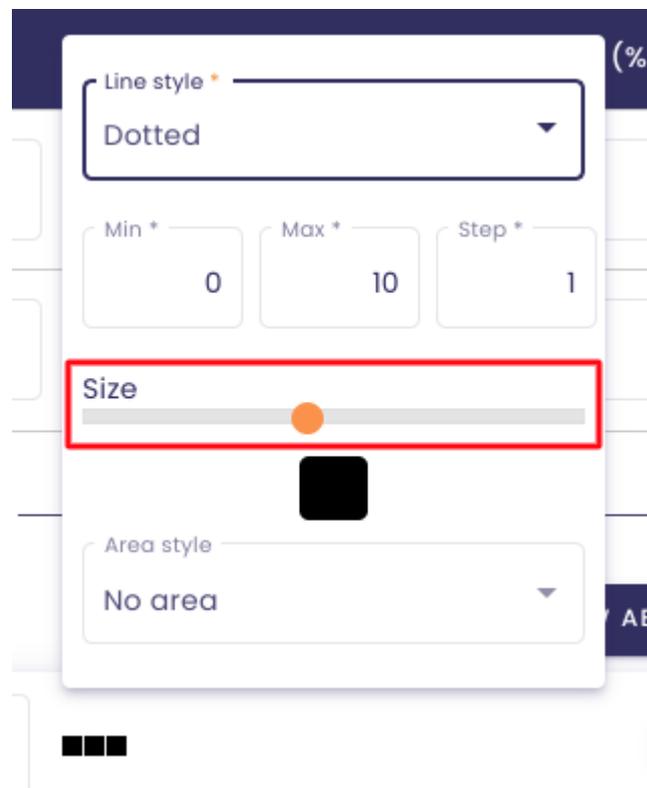
- The line **style** : line or dotted



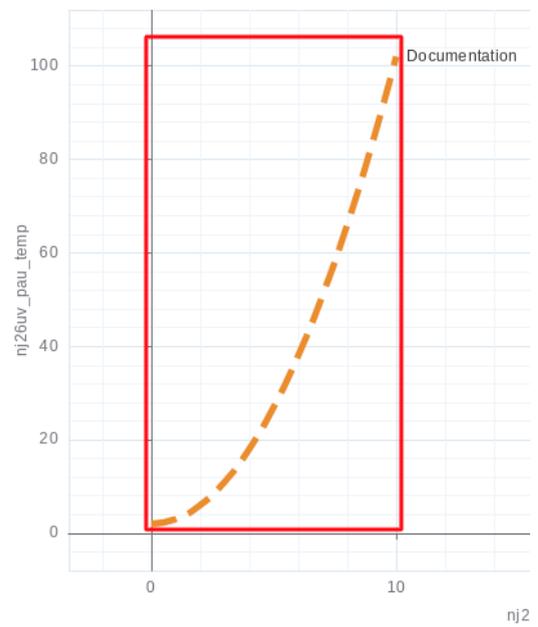
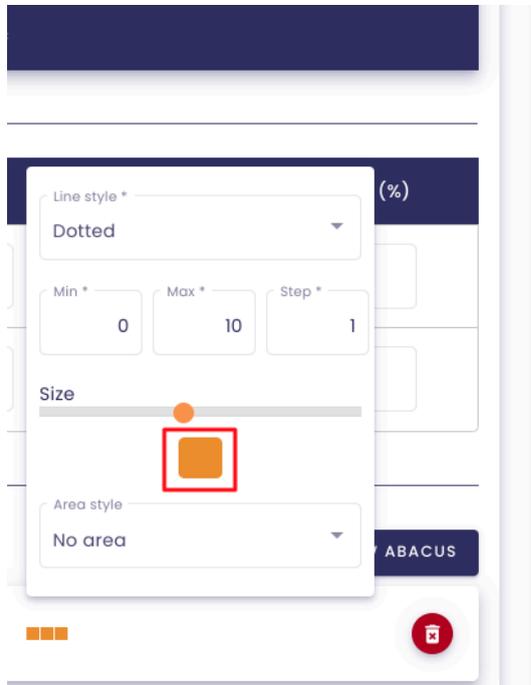
- The **minimum and maximum** values that your variable "x" should take (x-axis values). For example, if you enter min = 0 and max = 10, the curve for $2*x$ will be plotted for the interval $x \in [0;10]$.



- The curve **thickness** : allows you to define the line's thickness on the chart.

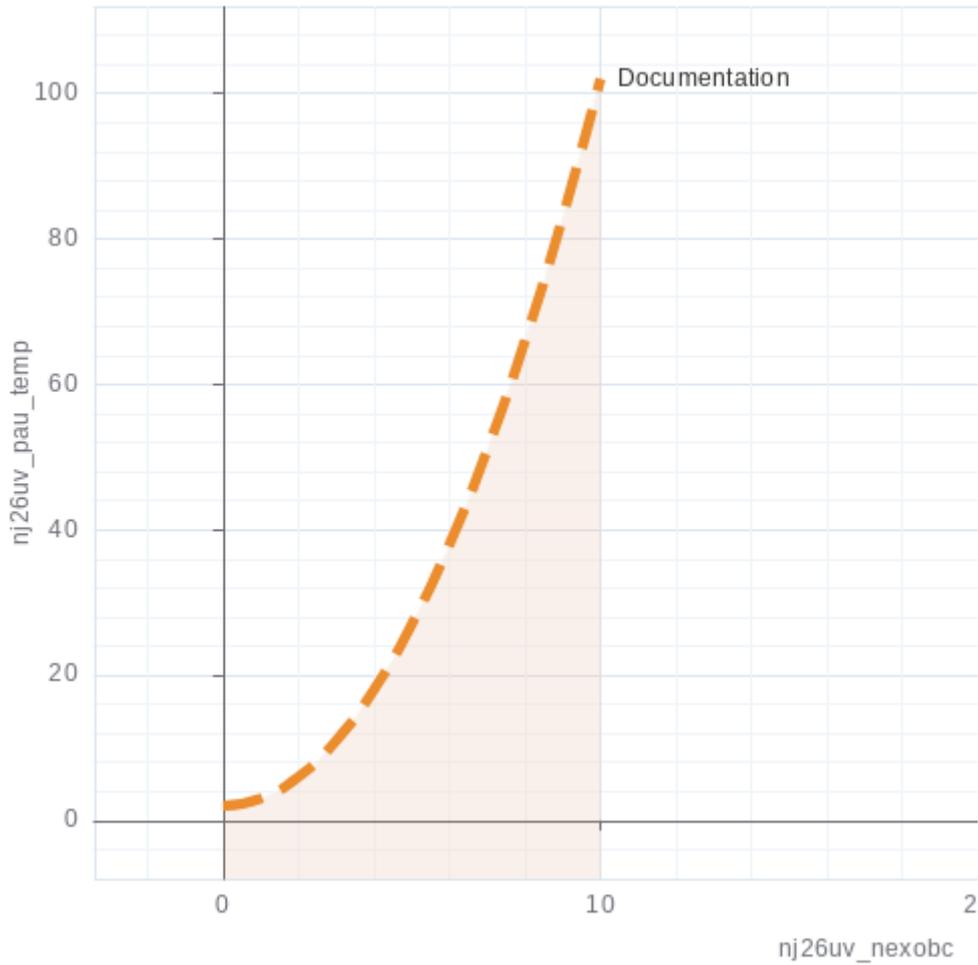


- The curve **color** :



- The **area style** : you can choose whether to display the area under the curve, either upwards or downwards.

Once these parameters are set, the equation's curve will appear :



Once all the settings are complete, you can click on **Save** to save and make your component appear in the dashboard.



3.1.9 Creating a text component

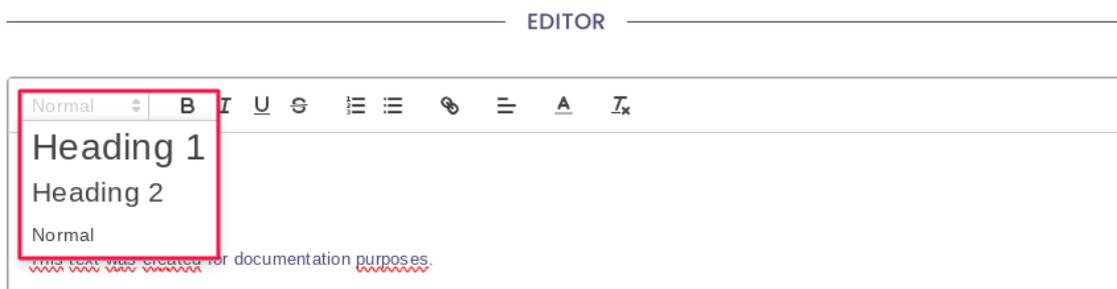
You can create a “text” component to add text or links to your dashboard.

3.1.9.1 Apply a heading style

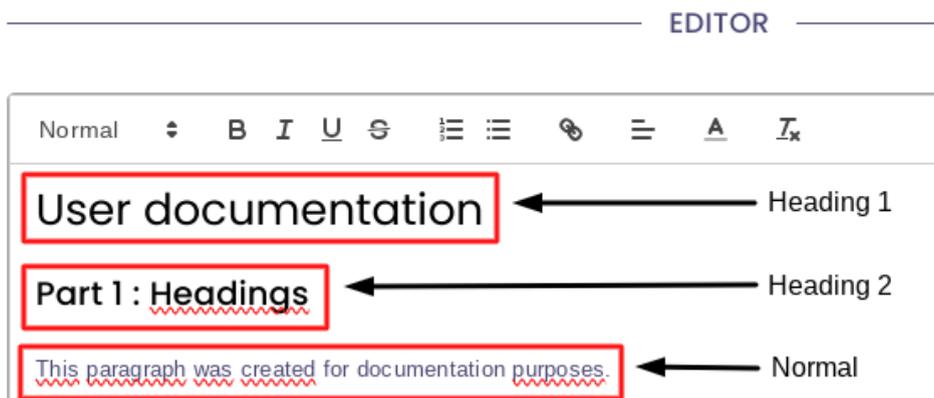
Choose from three text styles :

- Heading 1 : Main title
- Heading 2 : Subtitle
- Normal : Regular text

Select the text you want to style and choose the appropriate option from the toolbar.

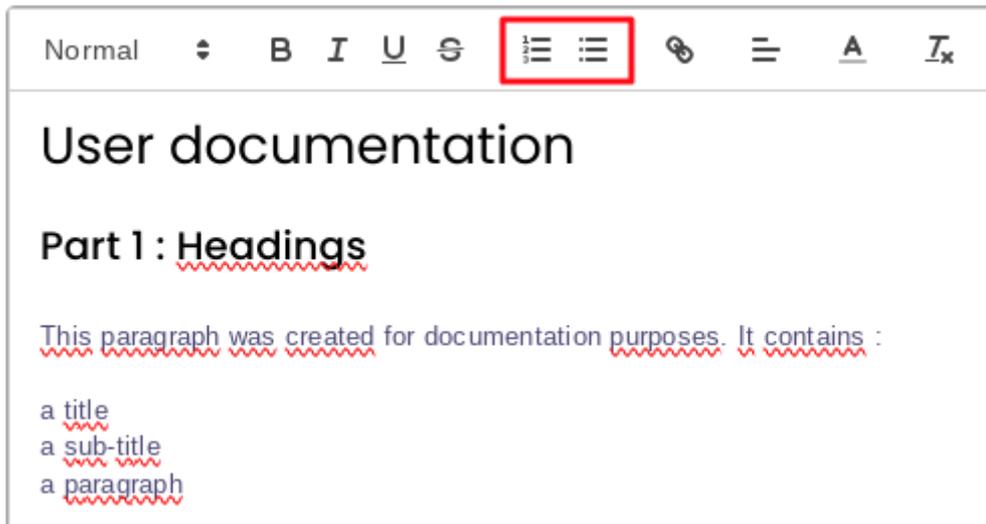


The text will automatically update based on the selected style.



3.1.9.2 Creating lists

You can create two types of lists using the toolbar :



Normal  **B** *I* U     **A** *I_x*

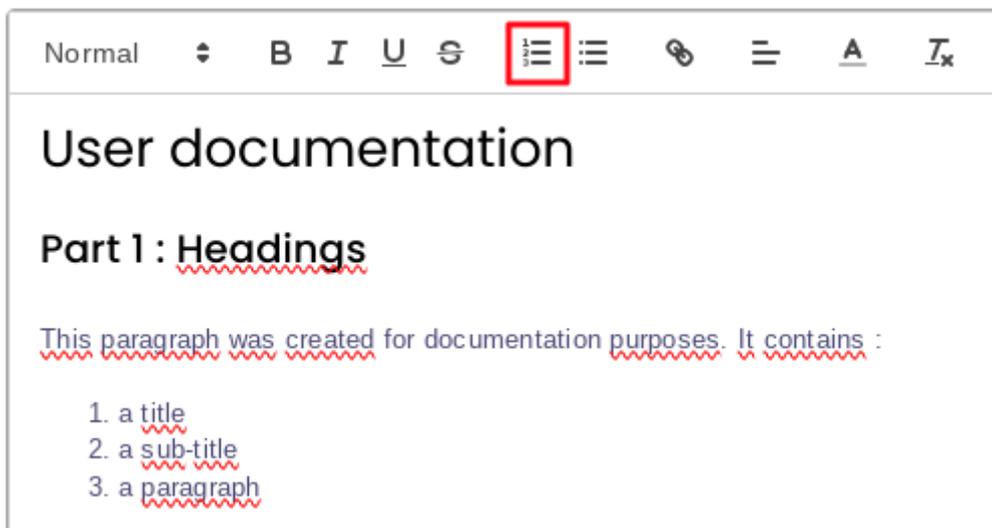
User documentation

Part 1 : Headings

This paragraph was created for documentation purposes. It contains :

- a title
- a sub-title
- a paragraph

Numbered list :



Normal  **B** *I* U     **A** *I_x*

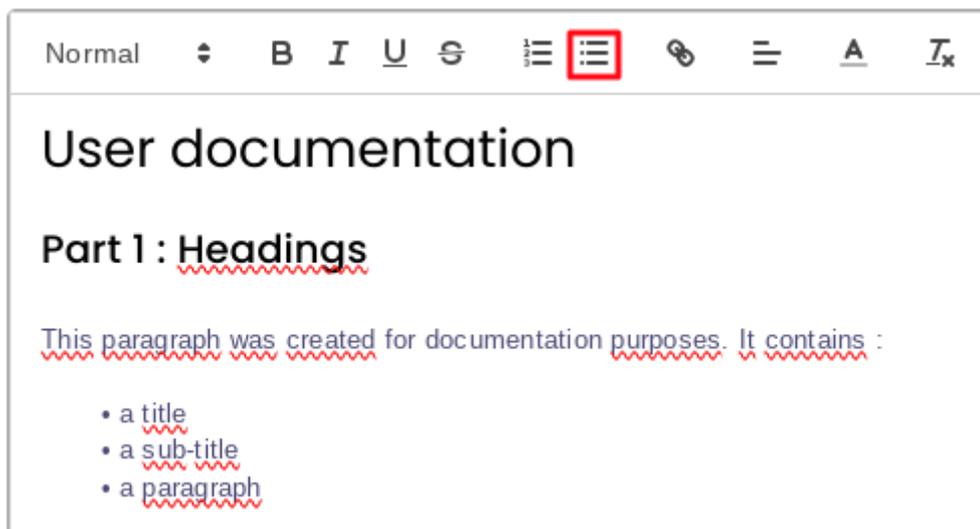
User documentation

Part 1 : Headings

This paragraph was created for documentation purposes. It contains :

1. a title
2. a sub-title
3. a paragraph

Bulleted list :



The screenshot shows a rich text editor interface. The top toolbar includes a dropdown menu set to 'Normal', followed by icons for Bold (B), Italic (I), Underline (U), Strikethrough (ABC), Bulleted List (three horizontal lines with dots), Numbered List (three horizontal lines with numbers), Link (chain icon), Unlink (chain icon with slash), Text Color (A), and Background Color (Tx). The main text area contains the following content:

User documentation

Part 1 : Headings

This paragraph was created for documentation purposes. It contains :

- a title
- a sub-title
- a paragraph

3.1.9.3 Text formatting

You have several options for formatting your text :

- **bold text :**



The screenshot shows the same rich text editor toolbar as above, but the Bold (B) button is highlighted with a red square.

- **italic :**



The screenshot shows the same rich text editor toolbar as above, but the Italic (I) button is highlighted with a red square.

- **Underline :**

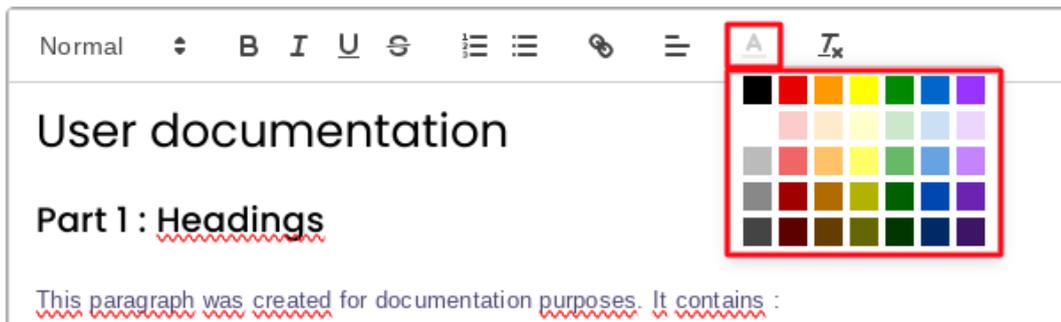


The screenshot shows the same rich text editor toolbar as above, but the Underline (U) button is highlighted with a red square.

- **Strikethrough :**



- **change the text color :**



3.1.9.4 Add a link

To add a link, follow the procedure below.

Select the part of the text where you want the link to appear.

Click the **link button** in the toolbar.



Enter the URL in the input field and click "**Save**".

Normal **B** *I* U ~~S~~ **A** *T_x*

User documentation

Part 1 : Headings

This paragraph was created for documentation purposes. It contains :

- a title
- a sub-title
- a paragraph

Enter link: [Save](#)

Your link is created :

Normal **B** *I* U ~~S~~ **A** *T_x*

User documentation

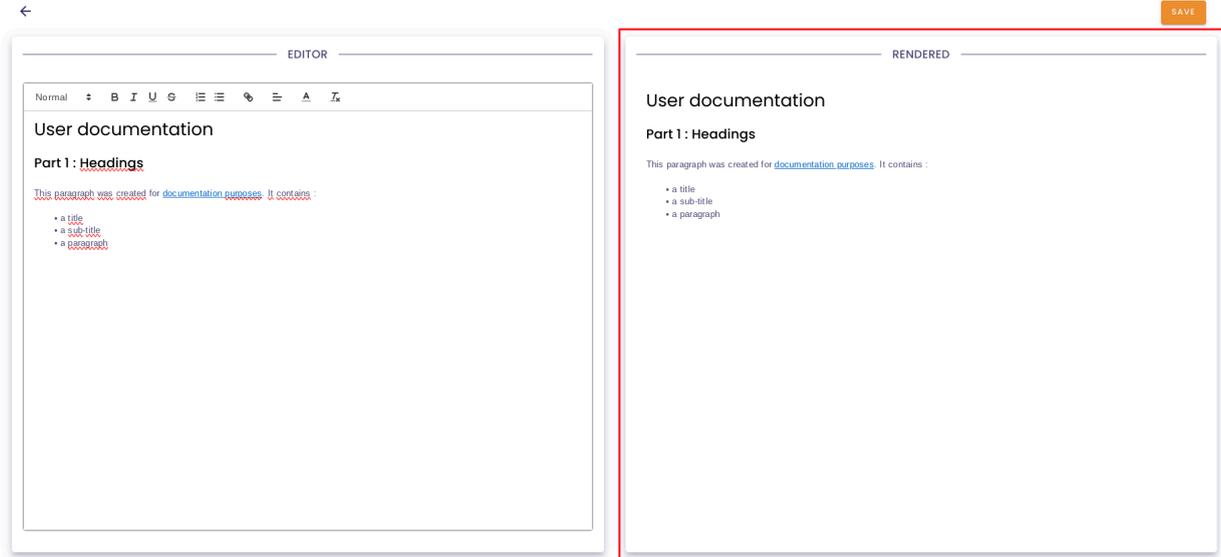
Part 1 : Headings

This paragraph was created for [documentation purposes](#). It contains :

- a title
- a sub-title
- a paragraph

3.1.9.5 Preview your component

A preview of your component will appear on the right.

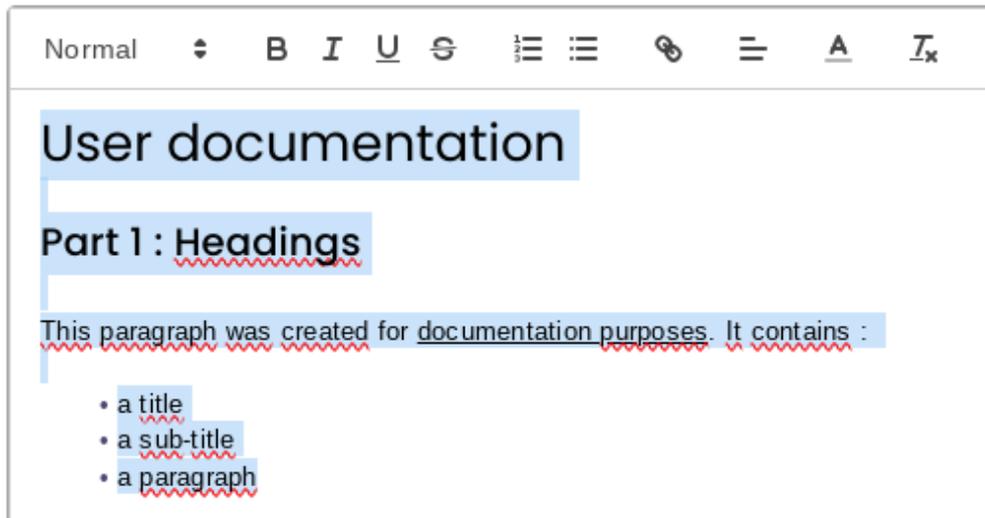


Once you are satisfied with the result, click "**Save**" in the top-right corner to add it to your dashboard.

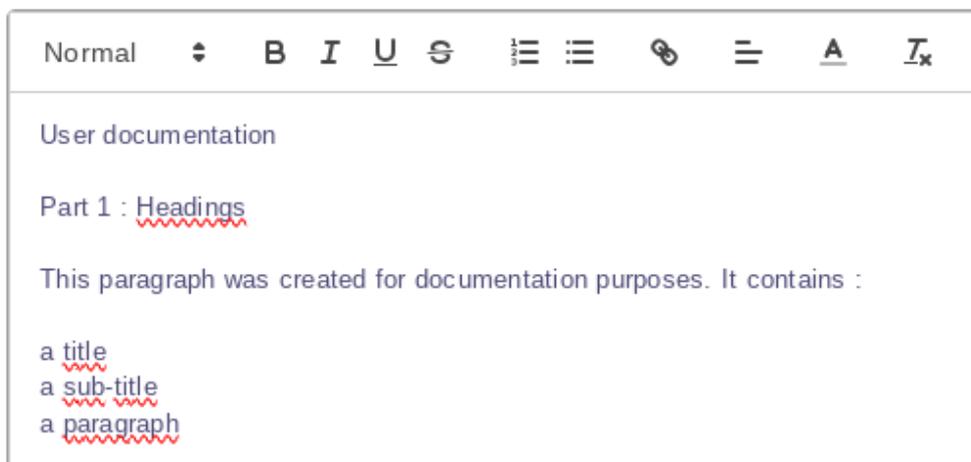


3.1.9.6 Removing formatting

To remove formatting, click the clear formatting button from the toolbar.



The text will return to the default style.



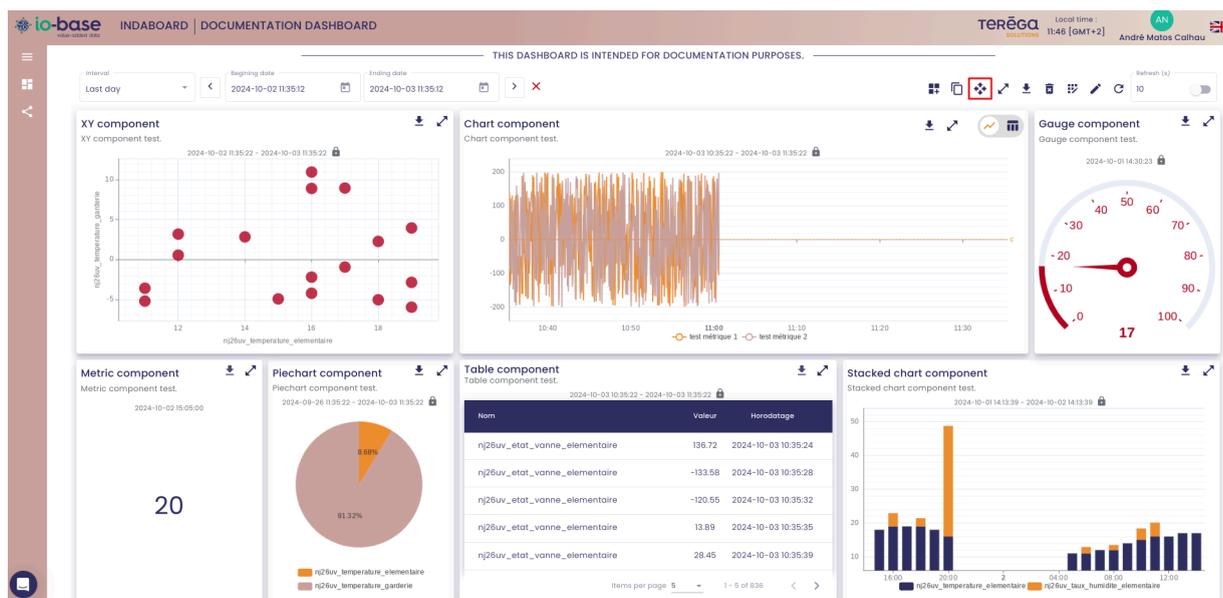
3.2. Organize the components of a dashboard

3.2.1 Prerequisites

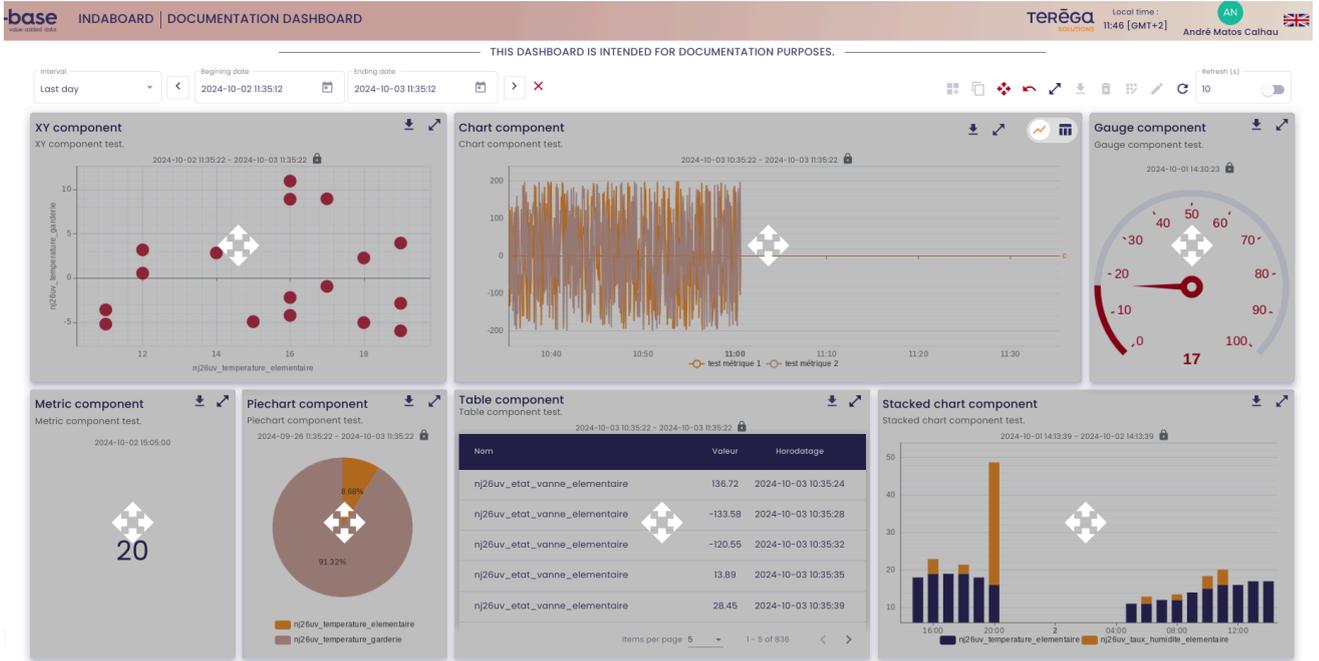
Connect to InDaBoard from the io-base portal. From the My dashboards menu, view a dashboard.

3.2.2 Arranging a dashboard

It is possible to move and manage the size of the components on a dashboard. The Move mode must be activated.



A cross icon appears on each component. This will allow you to move the component to any desired location on the dashboard. The dashboard is to be seen as a grid, with rows and columns. By resizing the components, you can move them to more or less rows or columns.

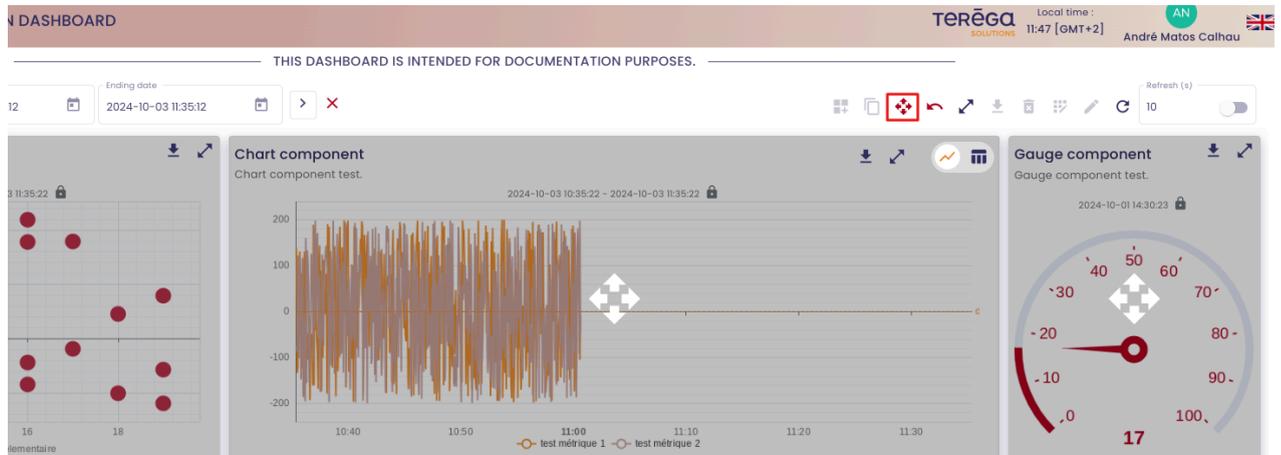


- each component can be moved using drag and drop
- the size of each component can be adjusted, by positioning on the desired side and stretching with the mouse in the desired direction

Note : if you wish to cancel a change, you can do so using the Back arrow.



Once you have made the desired changes, you can deactivate the layout mode by clicking on the move icon again.



The changes are saved and you are back on the dashboard.

3.3. Delete a component from a dashboard

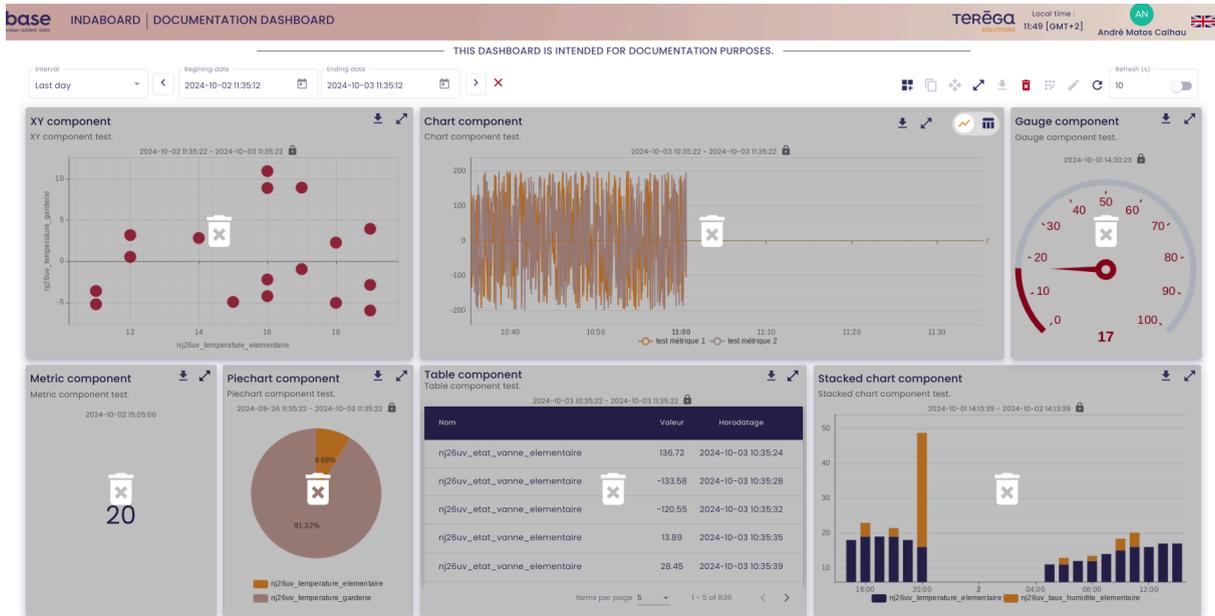
3.3.1 Prerequisites

Connect to **IndaBoard** from the **io-base** portal.

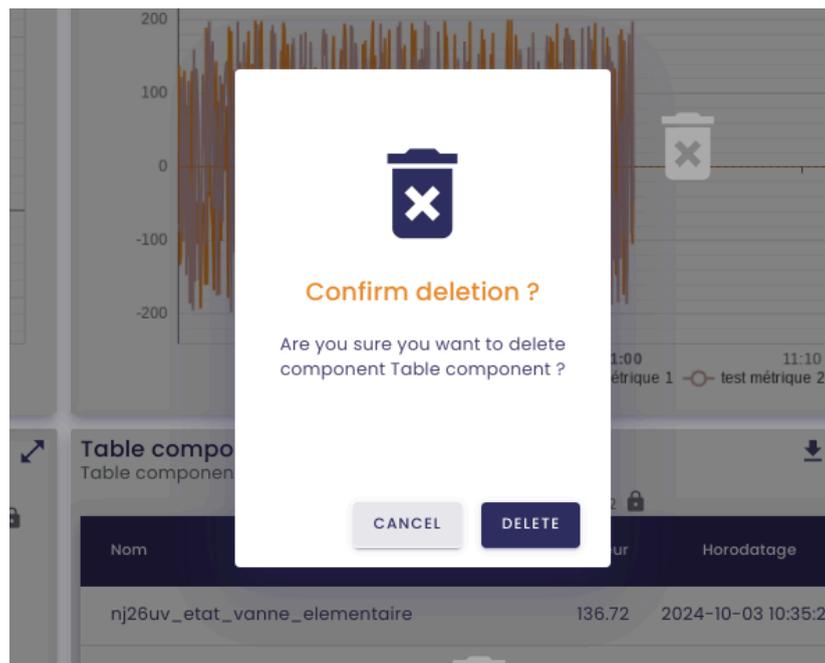
From the **My dashboards** menu, view a dashboard.

3.3.2 Delete a component

A recycle bin appears on all dashboard components.

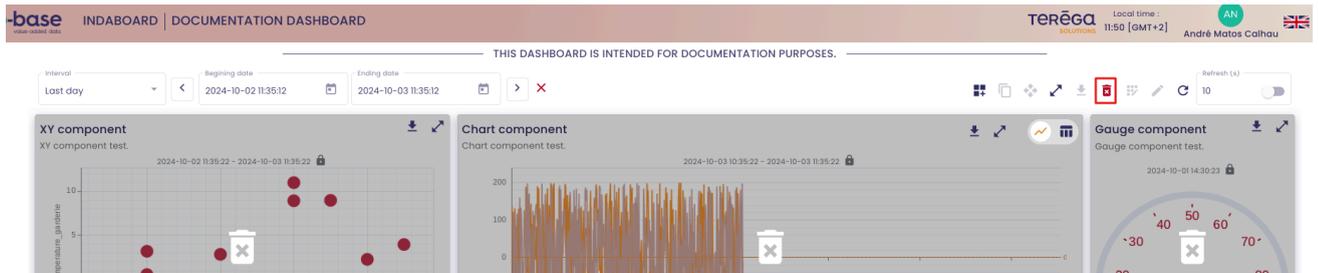


Click on the component to be deleted. A confirmation message appears.



Click on Delete to confirm the deletion.
The component disappears from the dashboard.

To deactivate the delete mode, click again on the bin icon in the upper right corner.



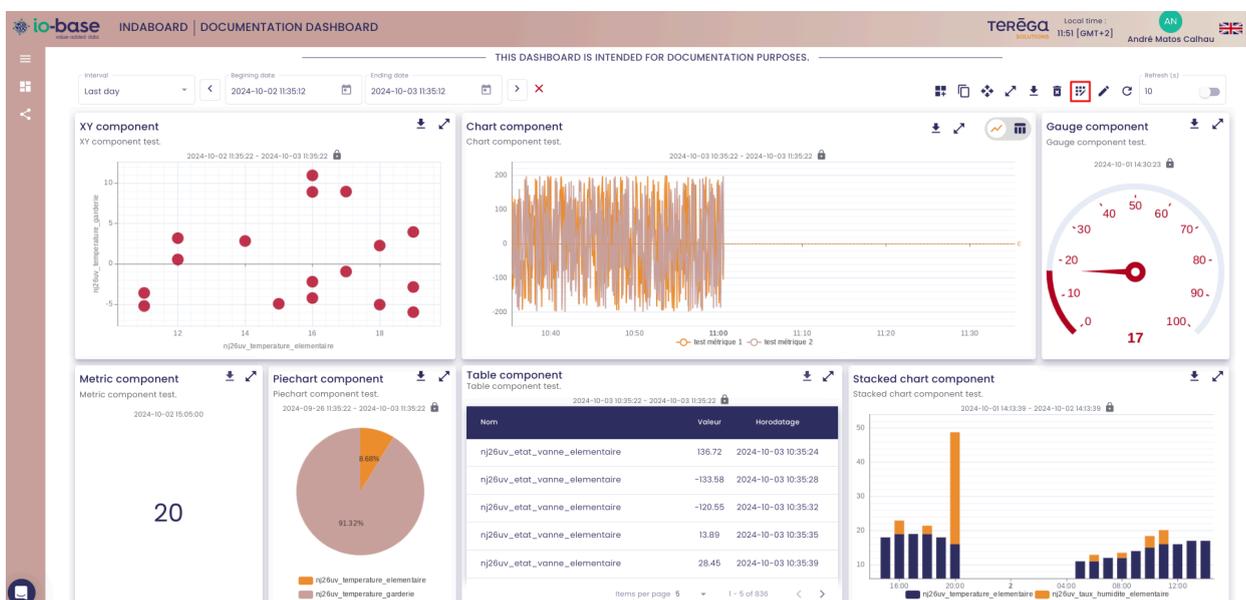
3.4. Editing a component of a dashboard

3.4.1 Prerequisites

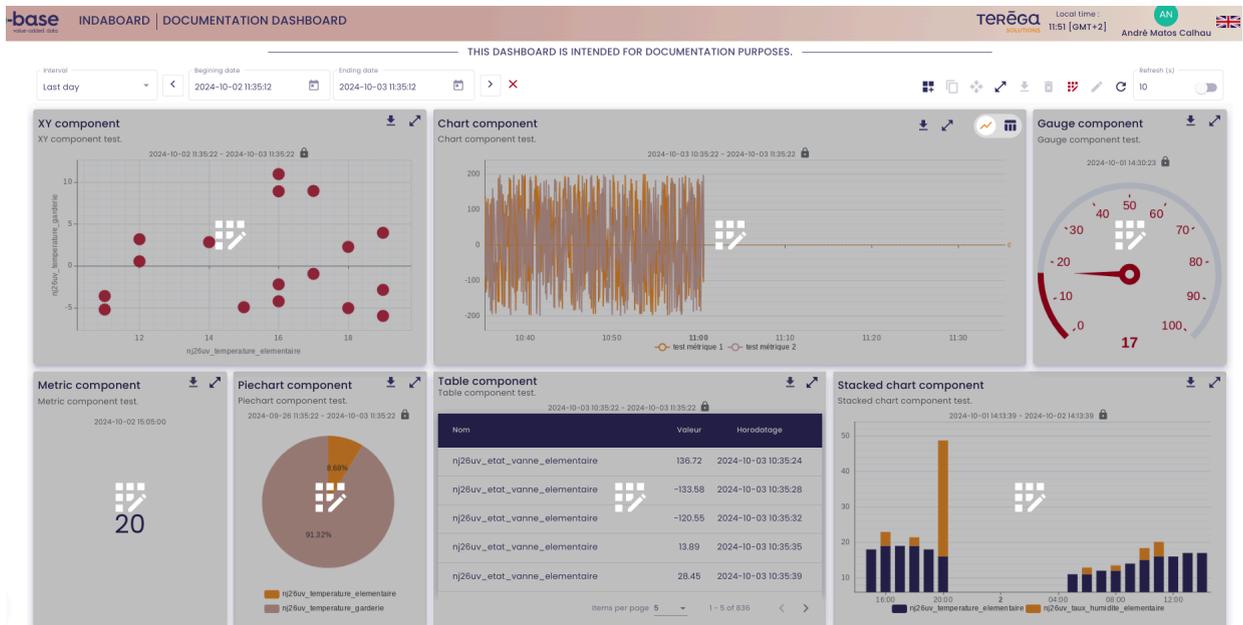
Connect to IndaBoard, from the io-base portal. Through the My Dashboards menu, view a dashboard.

3.4.2 Editing a component

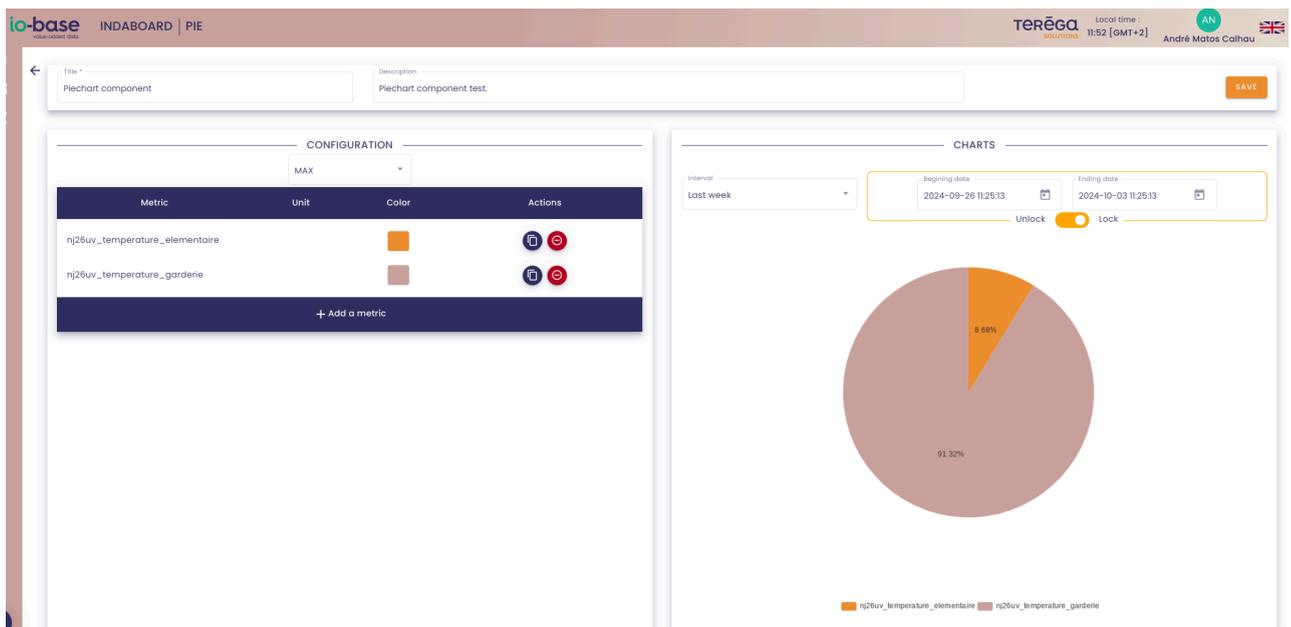
To edit a component of a dashboard, switch to Edit mode from the button at the top right.



An edit icon appears on all components of the dashboard. Click on the component to be modified.



The component settings page is displayed. You can make the desired changes, then **Save**.



The changes are saved, and you are back on the dashboard.

3.5. Duplicate a dashboard's component

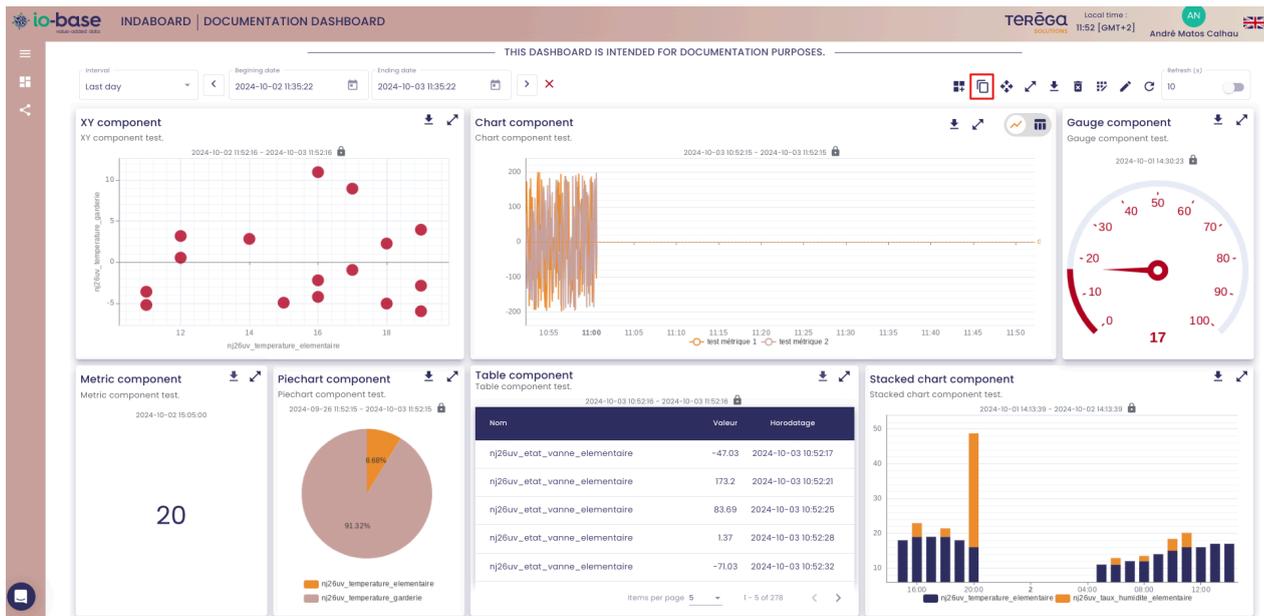
You have the option to duplicate a component directly from your dashboard.

Follow the steps below :

Log in to **IndaBoard** from the **io-base** portal.

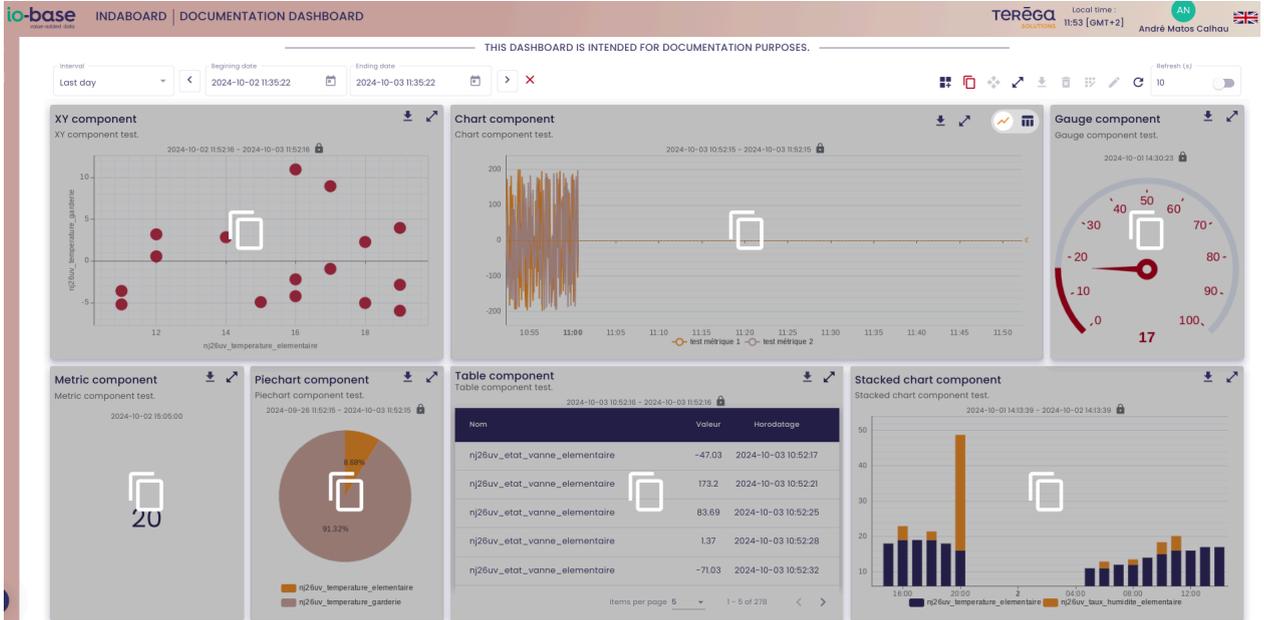
From the **My Dashboards** menu, view a dashboard.

At the top right of your screen, an icon (highlighted below) is available to allow you to duplicate a component.



Click on the icon





Click on the component to be duplicated. You will be redirected to the component creation page. All fields are pre-filled with the values of the duplicated component.

io-base INDABOARD | GAUGE | Local time: 11:54 [GMT+2] | André Matos Calhau

Title: Gauge component | Description: Gauge component test. [SAVE]

PROPERTIES

Minimum value: 0 | Maximum value: 100

Number of digits: 2

METRIC

Metric	Aggregation	Unit	Color	Actions
nj26uv_temperature_elementaire	None		Red	[Search] [Refresh]

CHARTS

Interval: Custom | Beginning date: 2024-09-25 14:36:03 | Ending date: 2024-10-01 14:32:44

Unlock: | Lock:

Click on **Save**.

Your component is duplicated.

