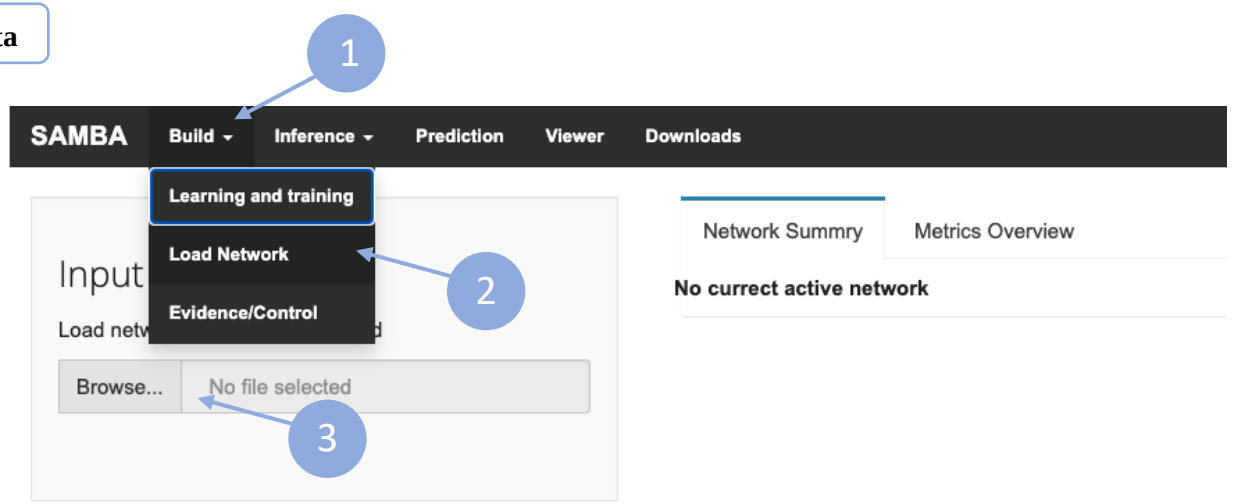
SAMBA's Viewer

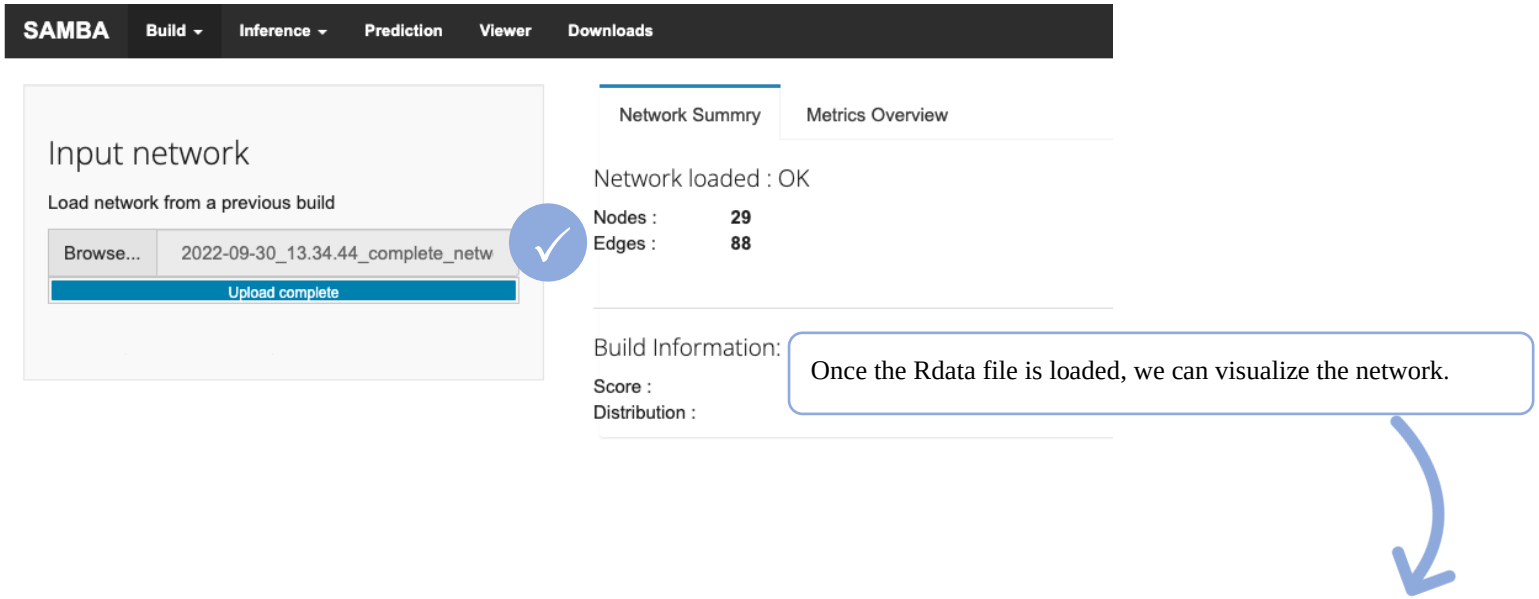
Content

1. Network generation 2
2. Network visualization and manipulation 5
(A) Graph panel 5
(B) Global settings 6
Save Network 9
(C) Edit and manipulation menu 10
Set selection 23
Filter menu 25
(D) Data manager. 32
Select and reorder data. 33
Filter data by columns. 34
Change strength and labels. 35
. 35
(E) CPT. 36

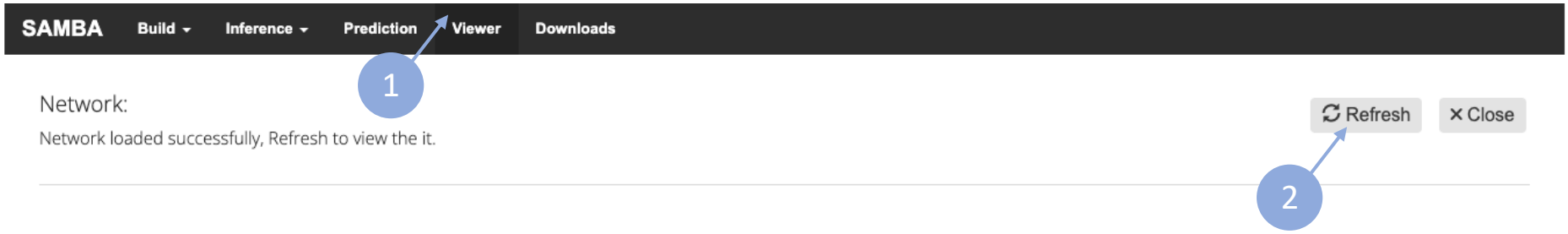
1. Network generation

1 **Load the network data**

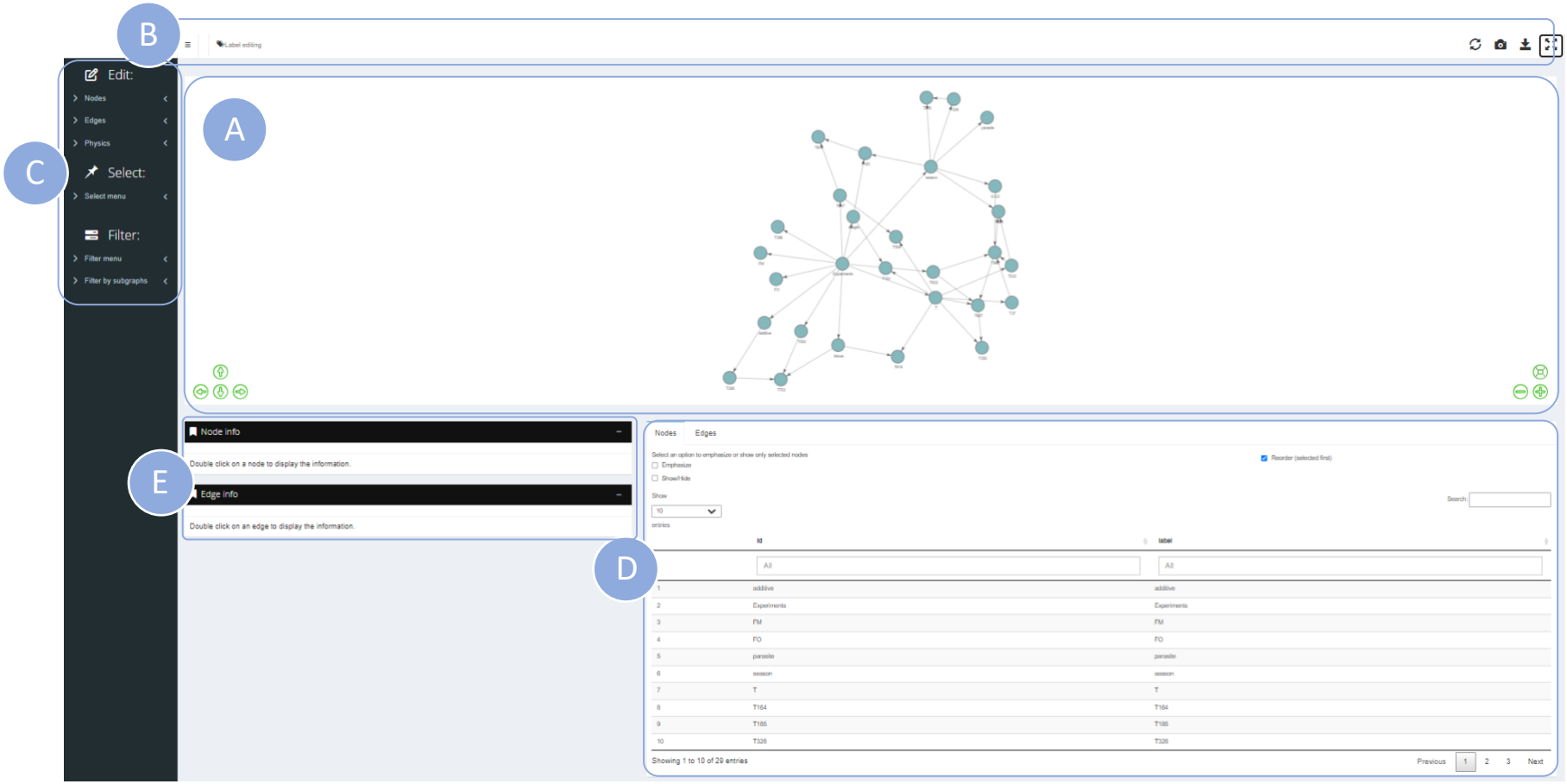




2 Network generation

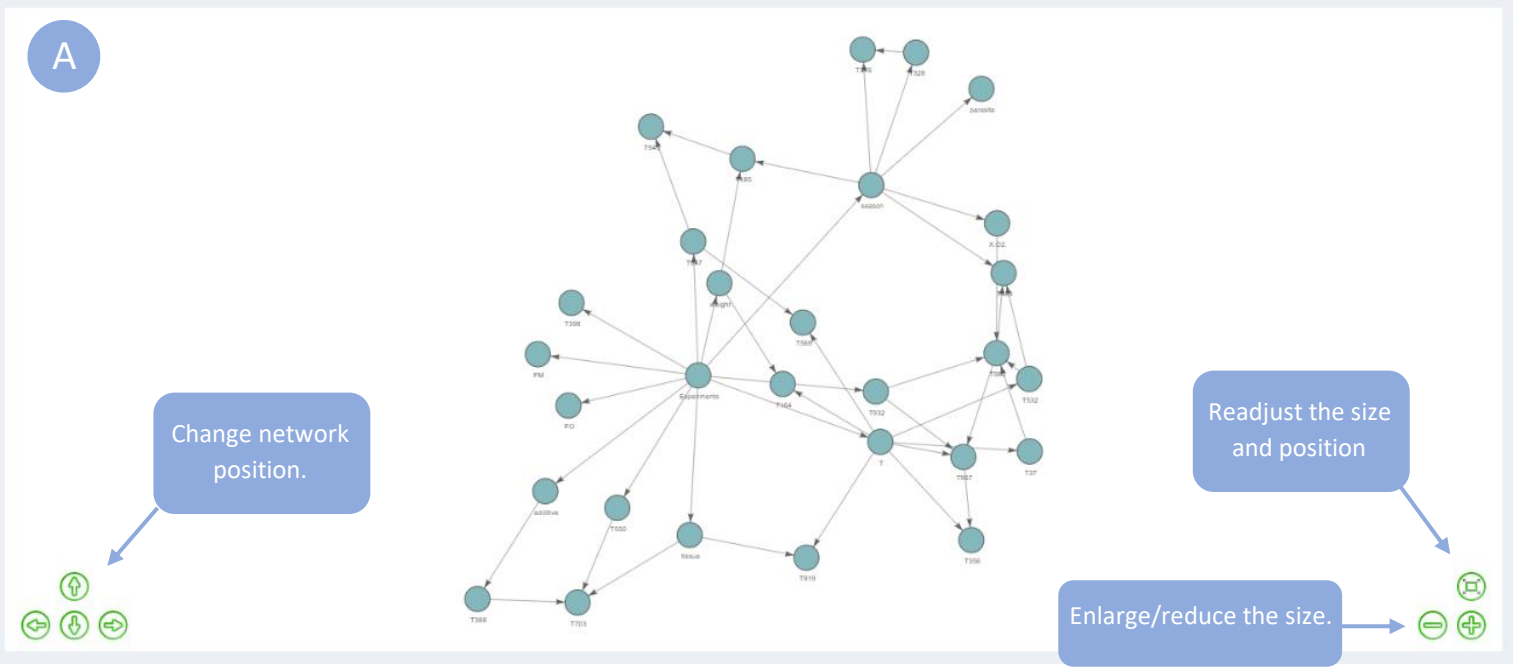


3 Network visualization and manipulation

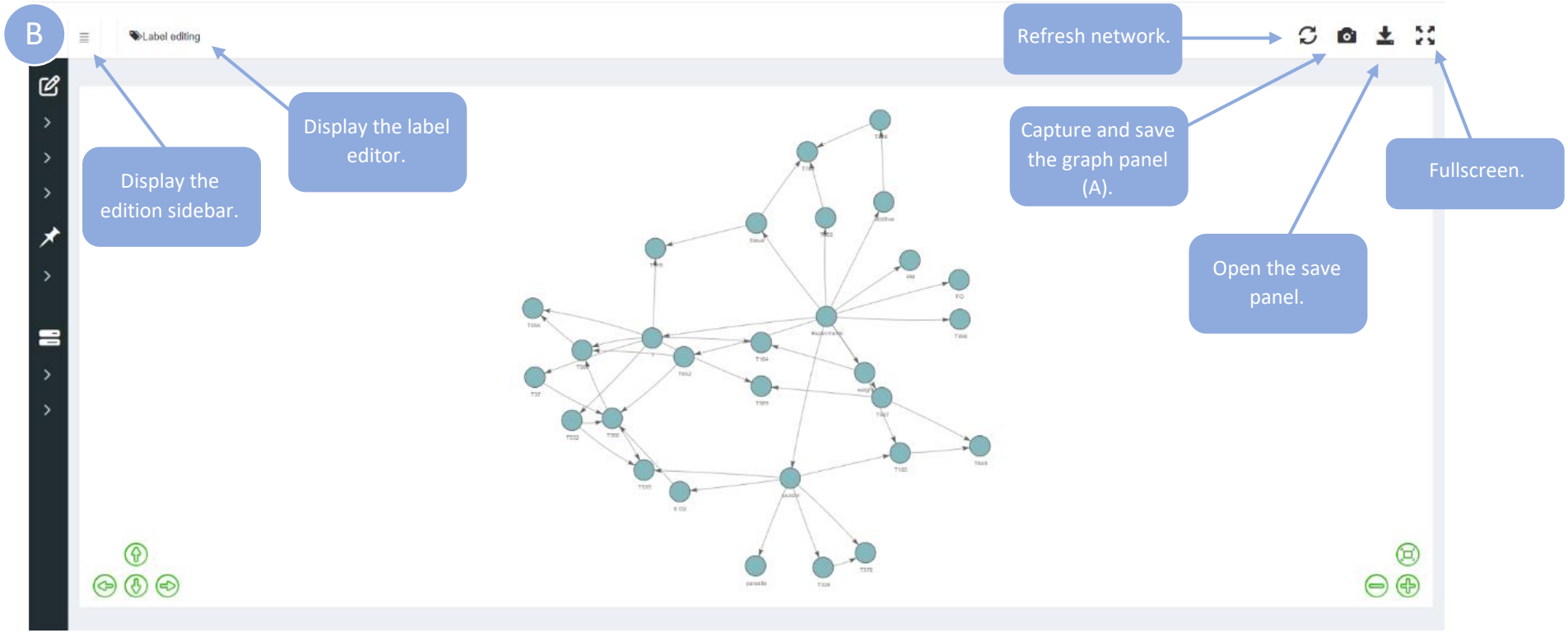


2. Network visualization and manipulation

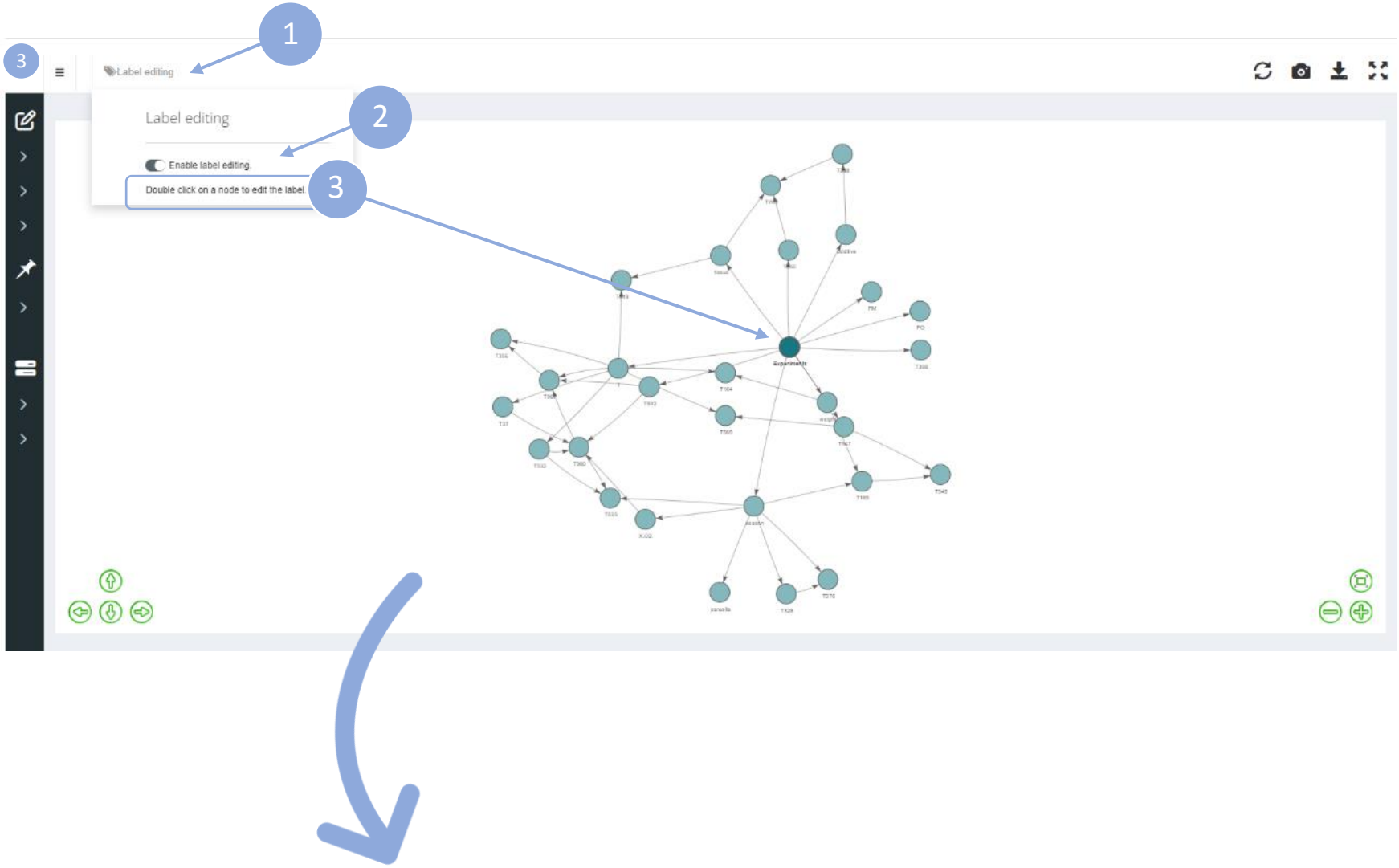
(A) Graph panel

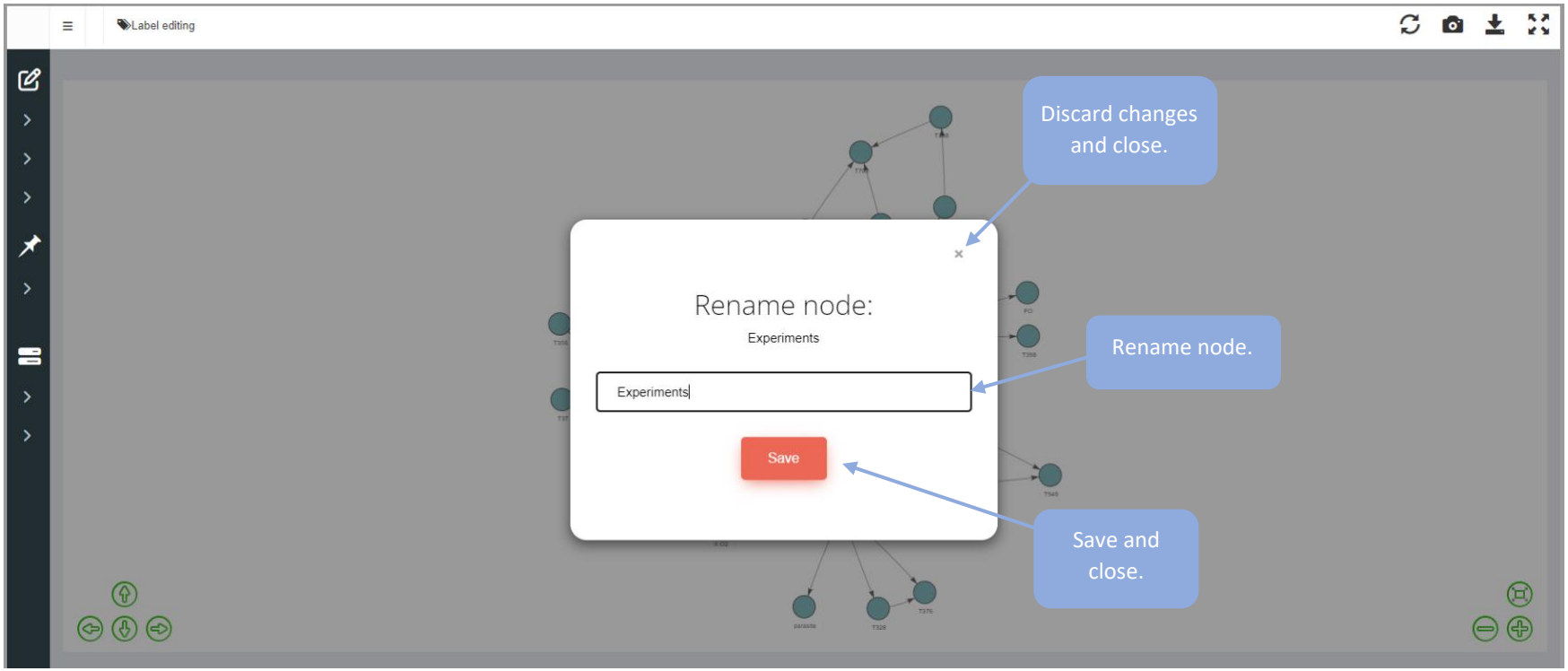


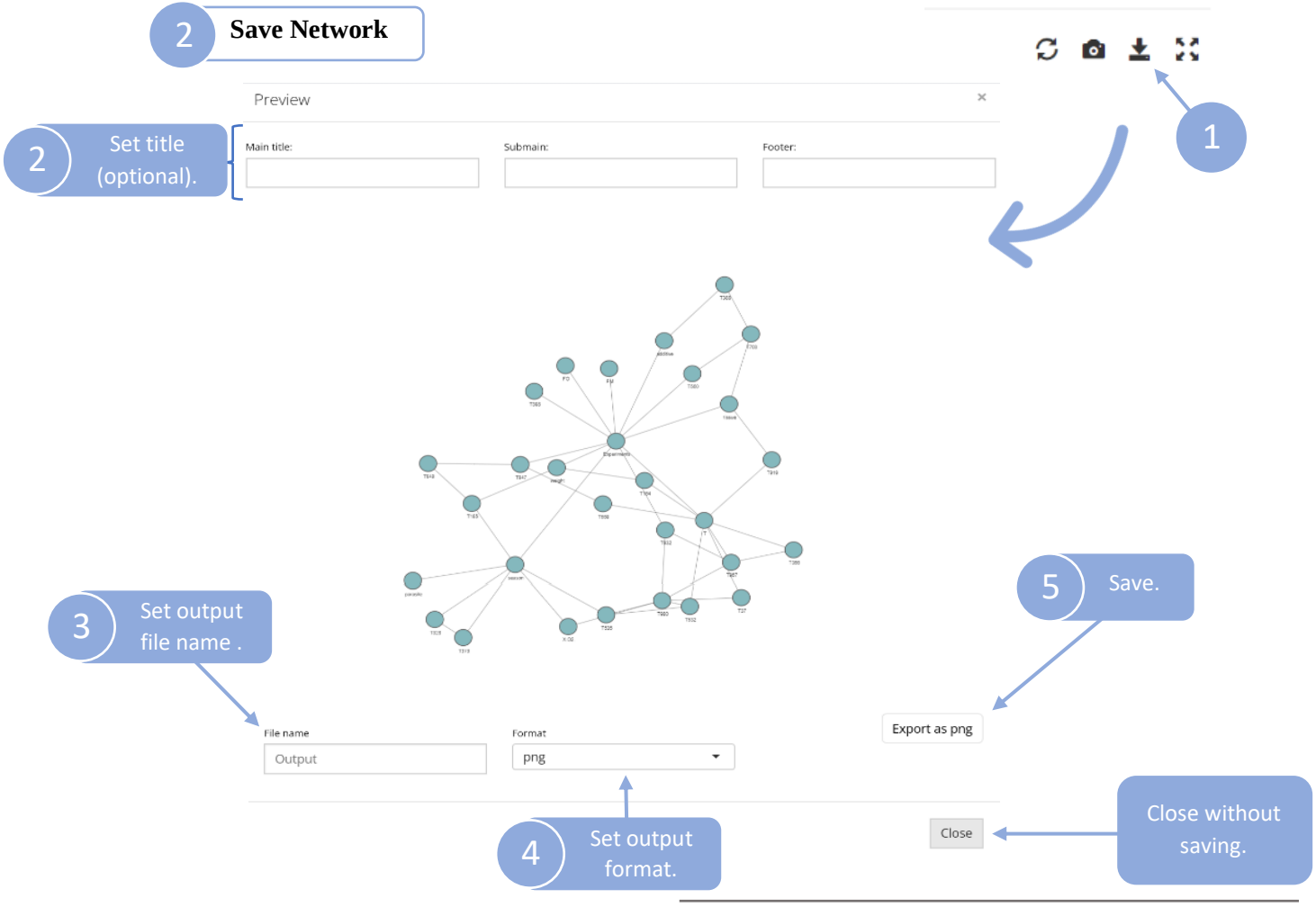
(B) Global settings



1 Label editing



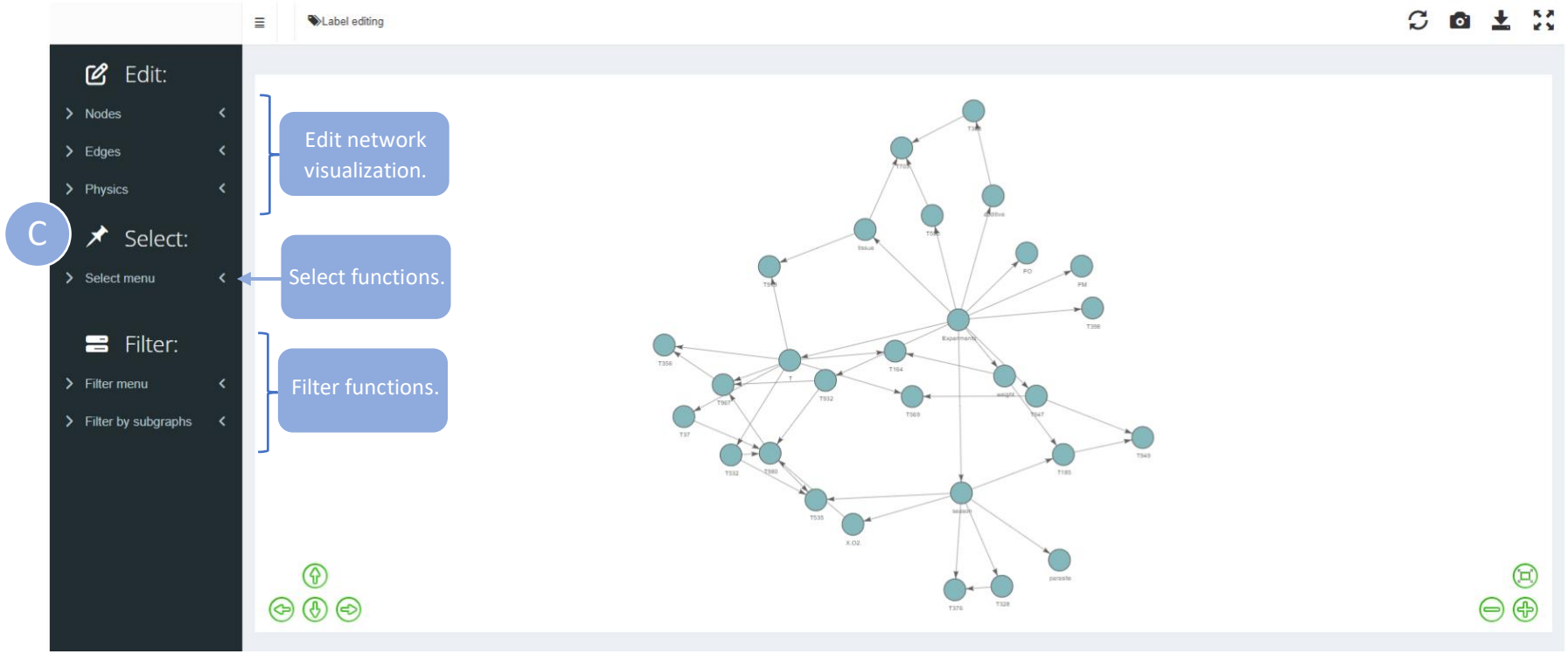

Label editing
Discard changes and close.
Rename node:
Experiments
Experiments
Rename node.
Save
Save and close.


2
Save Network
Preview
2
Set title (optional).
Main title:
Submain:
Footer:
1
3
Set output file name .
5
Save.
File name
Output
Format
png
Export as png
4
Set output format.
Close
Close without saving.

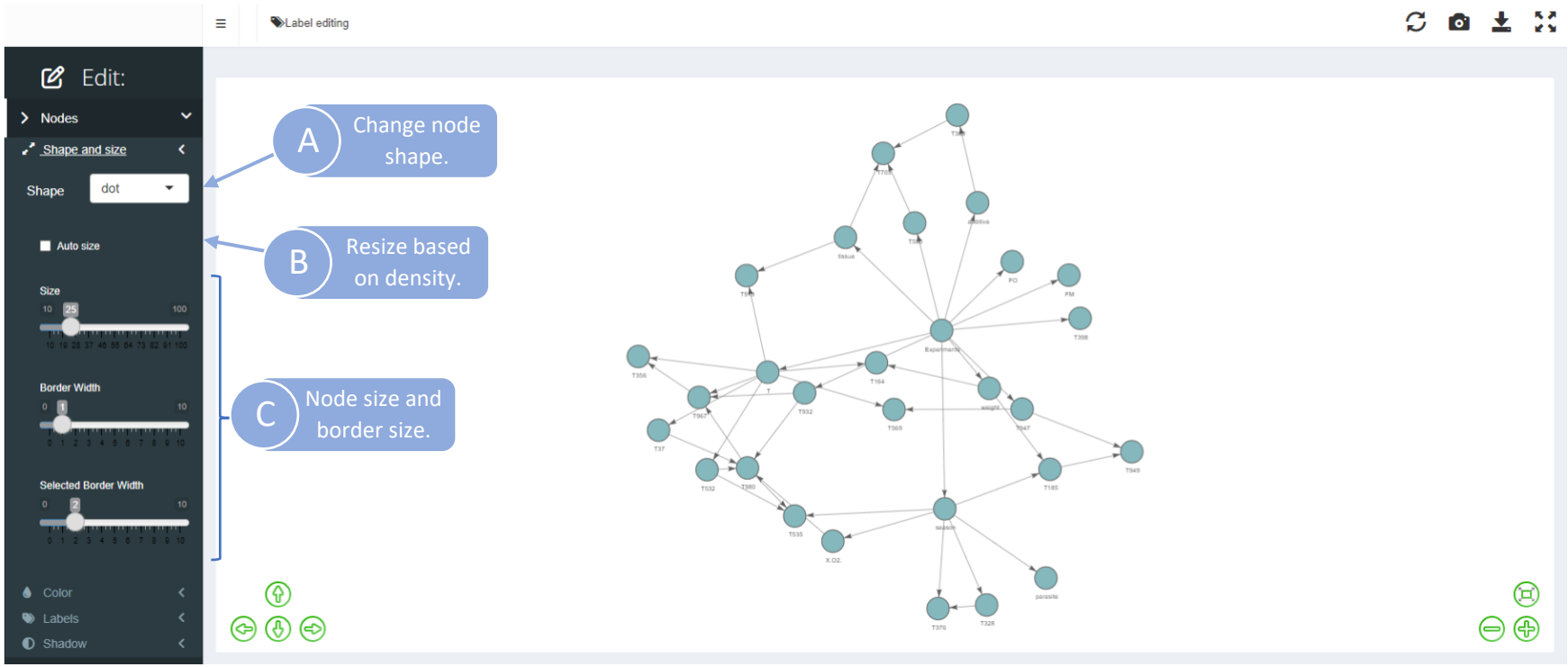
(C)Edit and manipulation menu

In this section, when selecting one or more nodes and edges the changes will be made only on the selected elements.

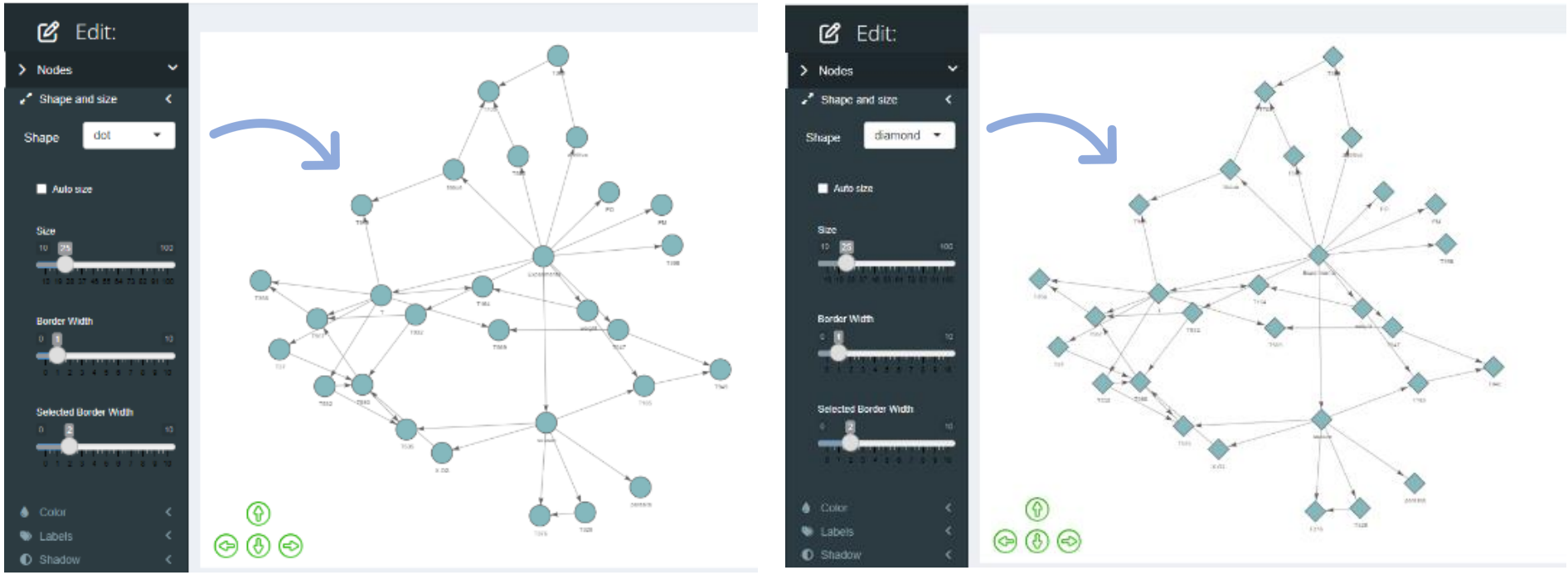
1 **Edit network**



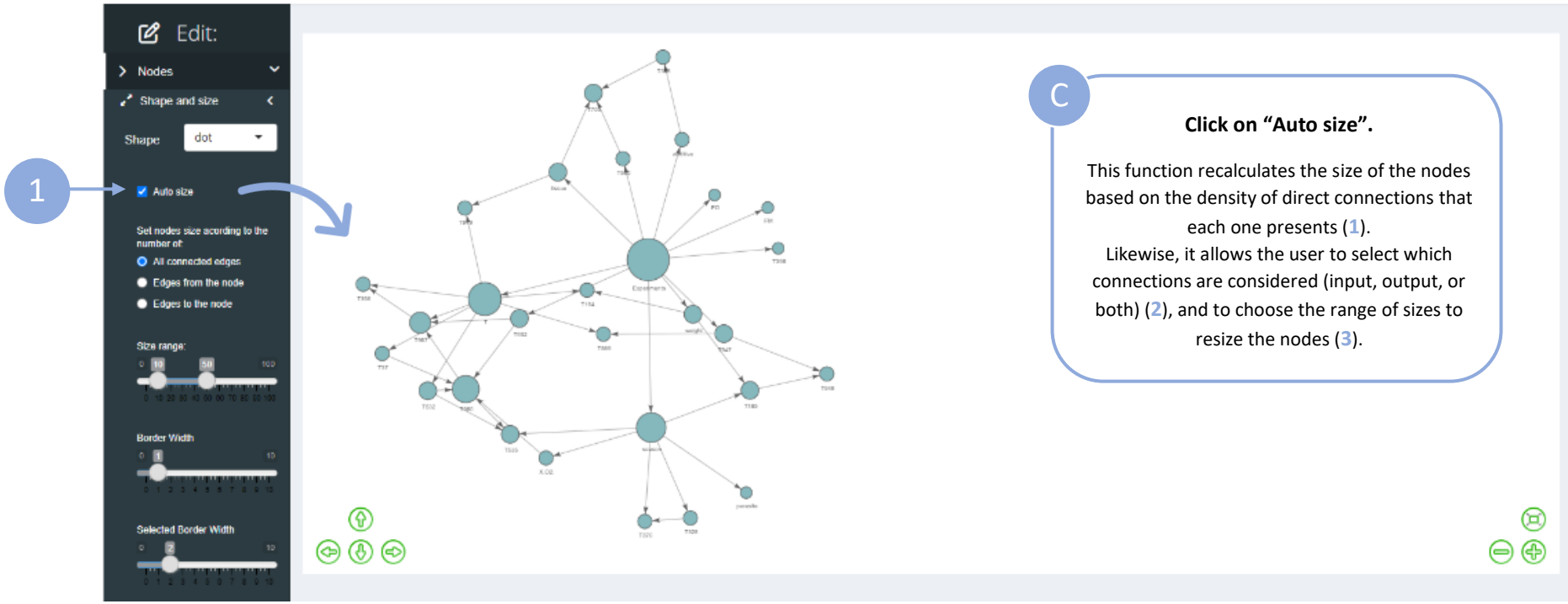
- Nodes: Shape and size.

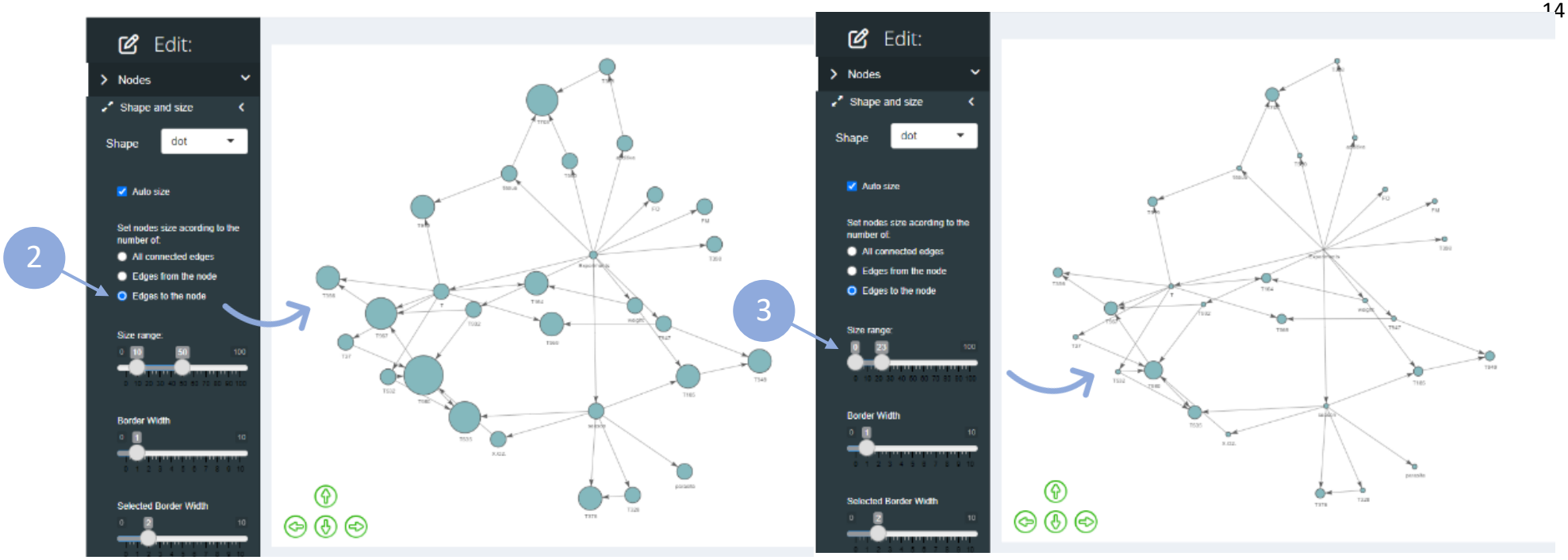


A. Change node shape.

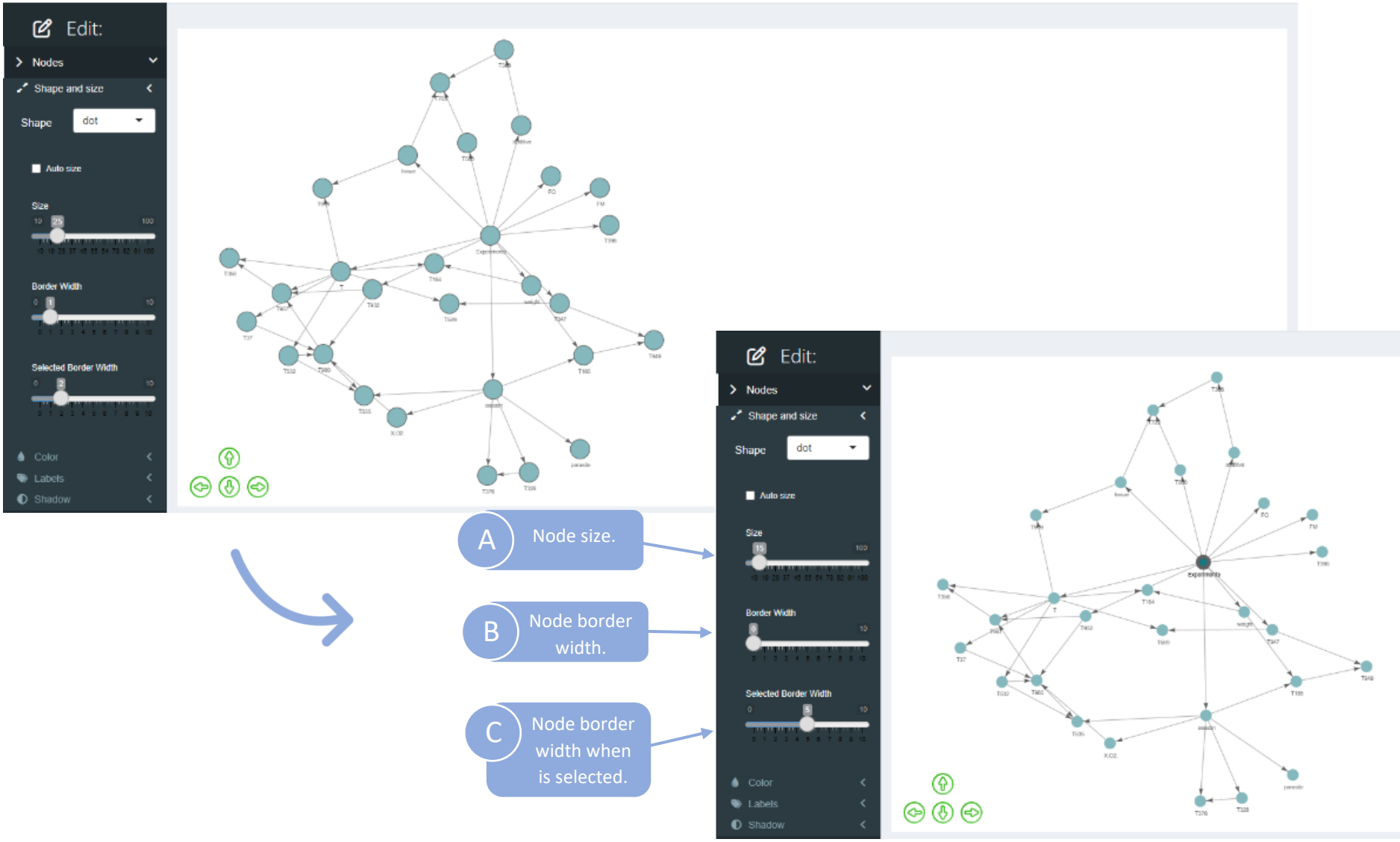


B. Resize based on density.

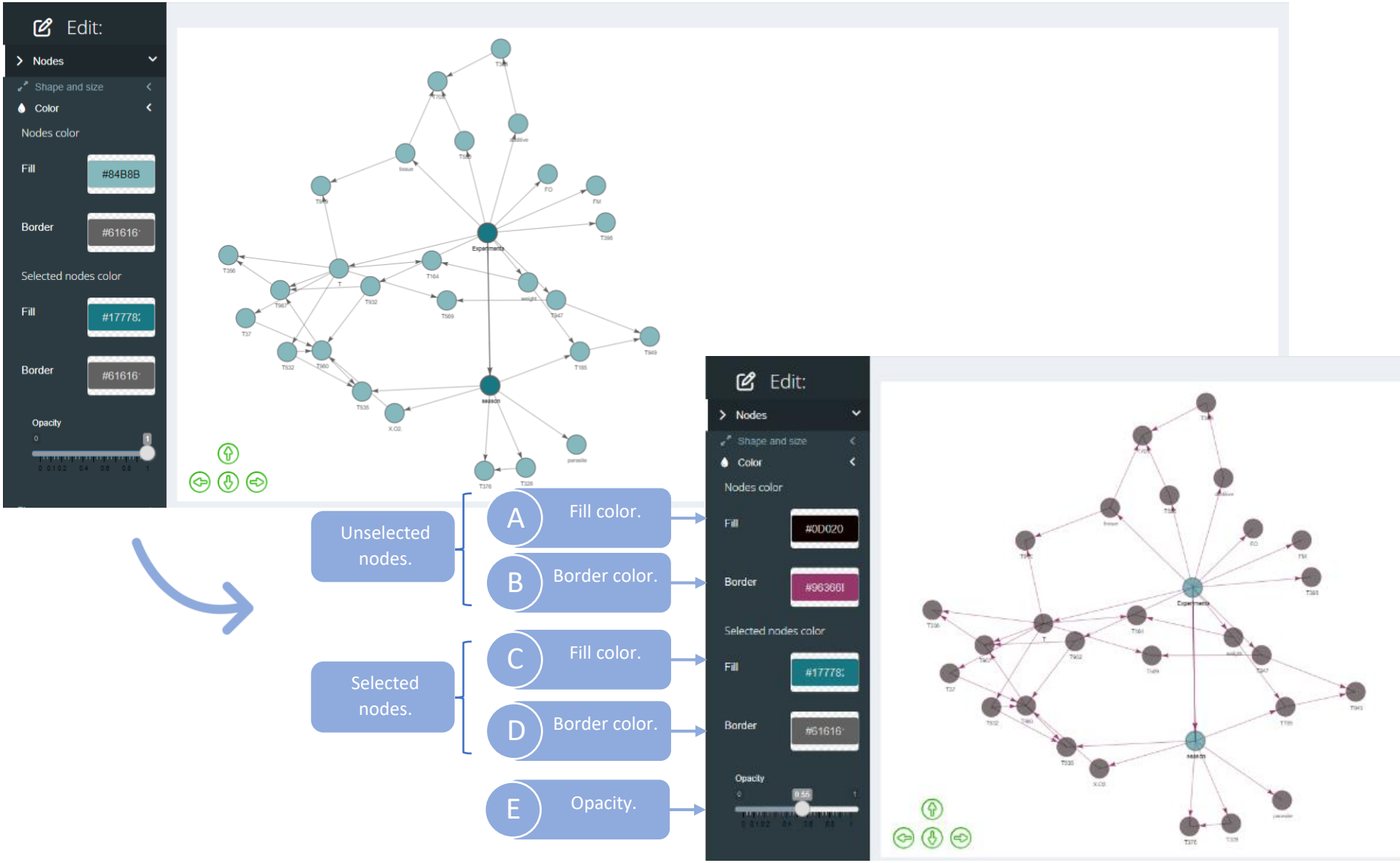



Edit:
Nodes
Shape and size
Shape
dot
Auto size
Set nodes size acording to the number of:
All connected edges
Edges from the node
Edges to the node
Size range:
Border Width
Selected Border Width
2
3

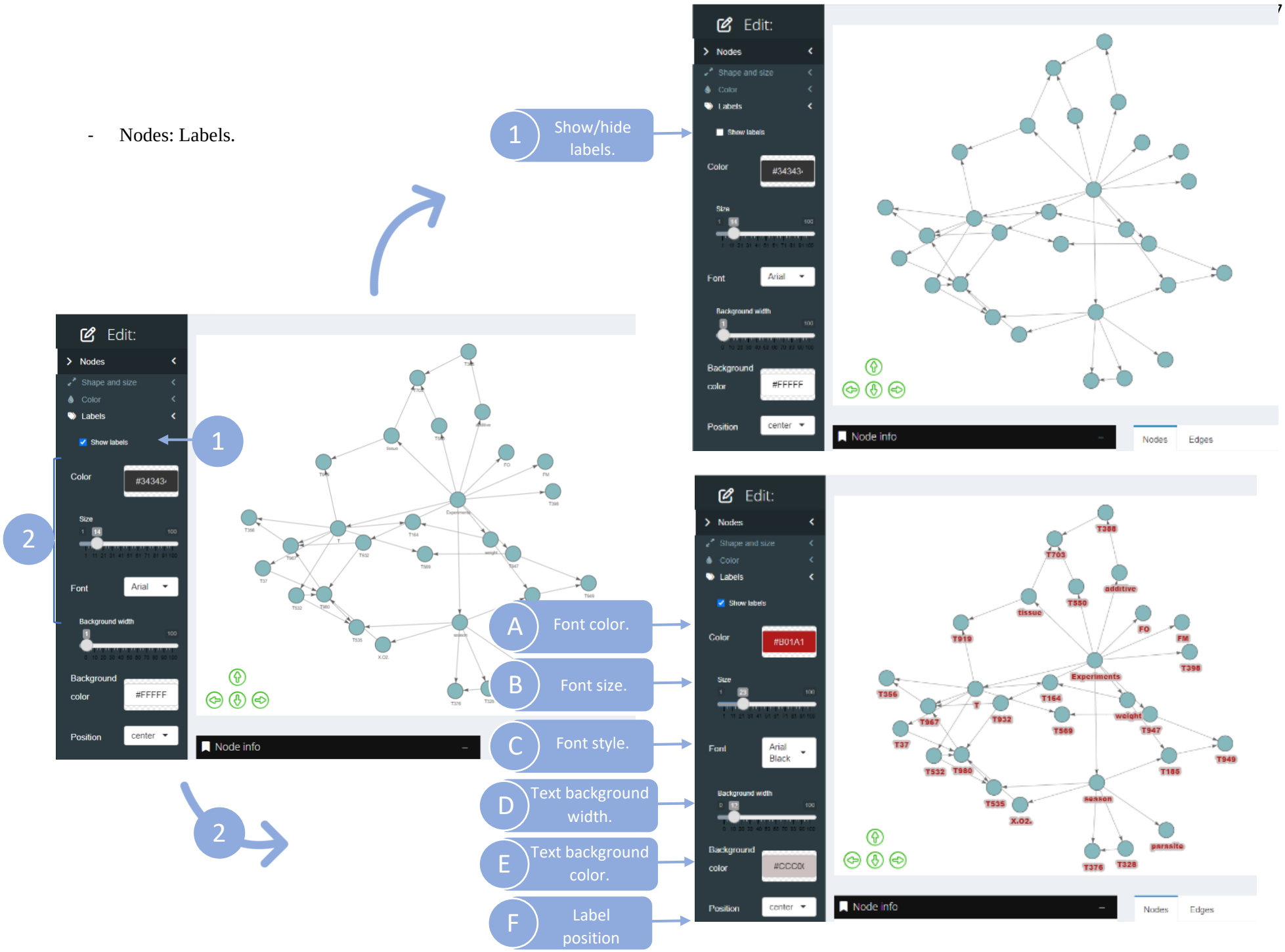
C. Set node and border size.



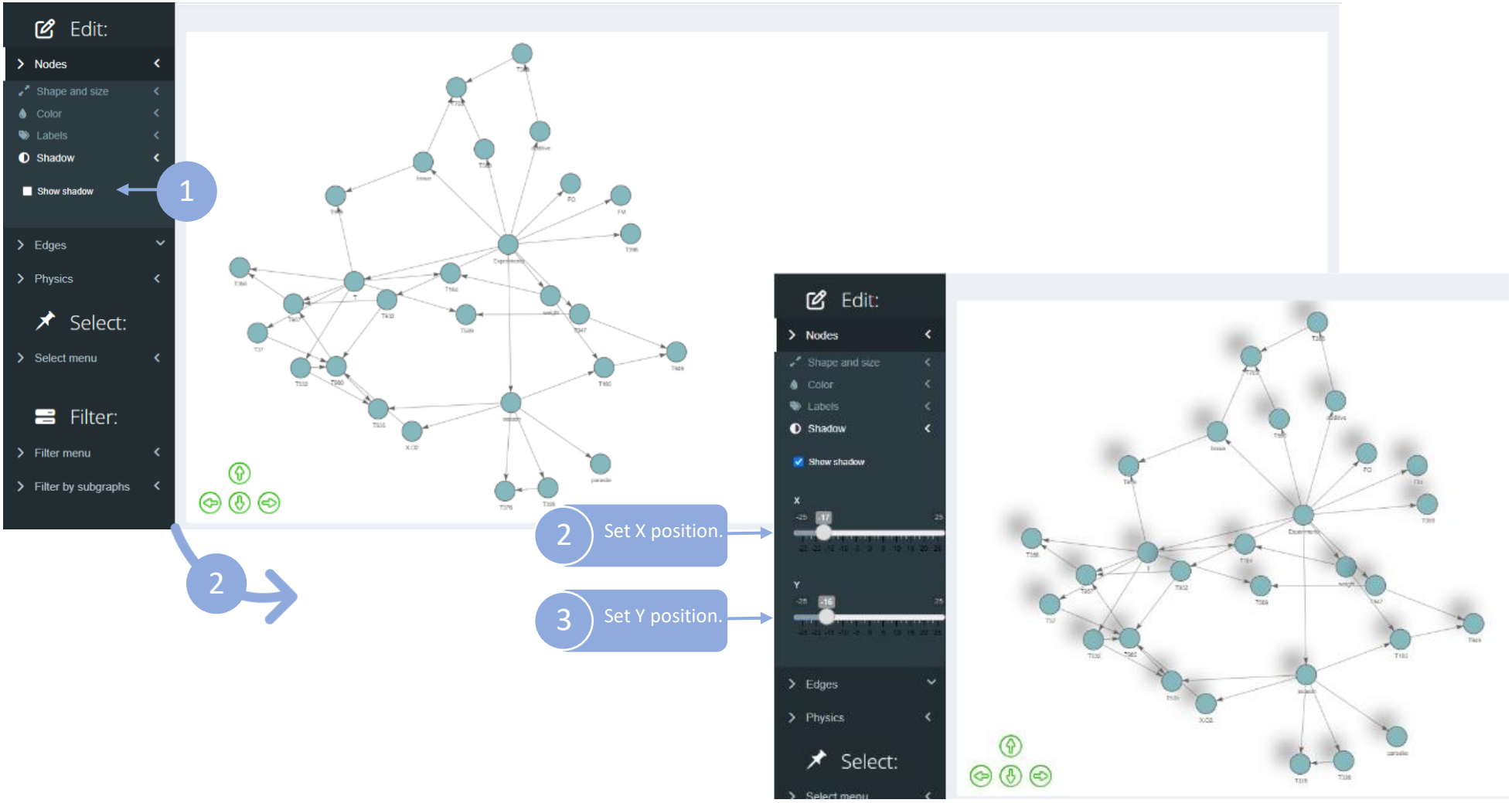
- Nodes: Color.


Edit:
Nodes
Shape and size
Color
Nodes color
Fill
#84B8B
Border
#61616
Selected nodes color
Fill
#17778
Border
#61616
Opacity
Unselected nodes.
A
Fill color.
B
Border color.
Selected nodes.
C
Fill color.
D
Border color.
E
Opacity.
Edit:
Nodes
Shape and size
Color
Nodes color
Fill
#0D020
Border
#96366
Selected nodes color
Fill
#17778
Border
#61616
Opacity

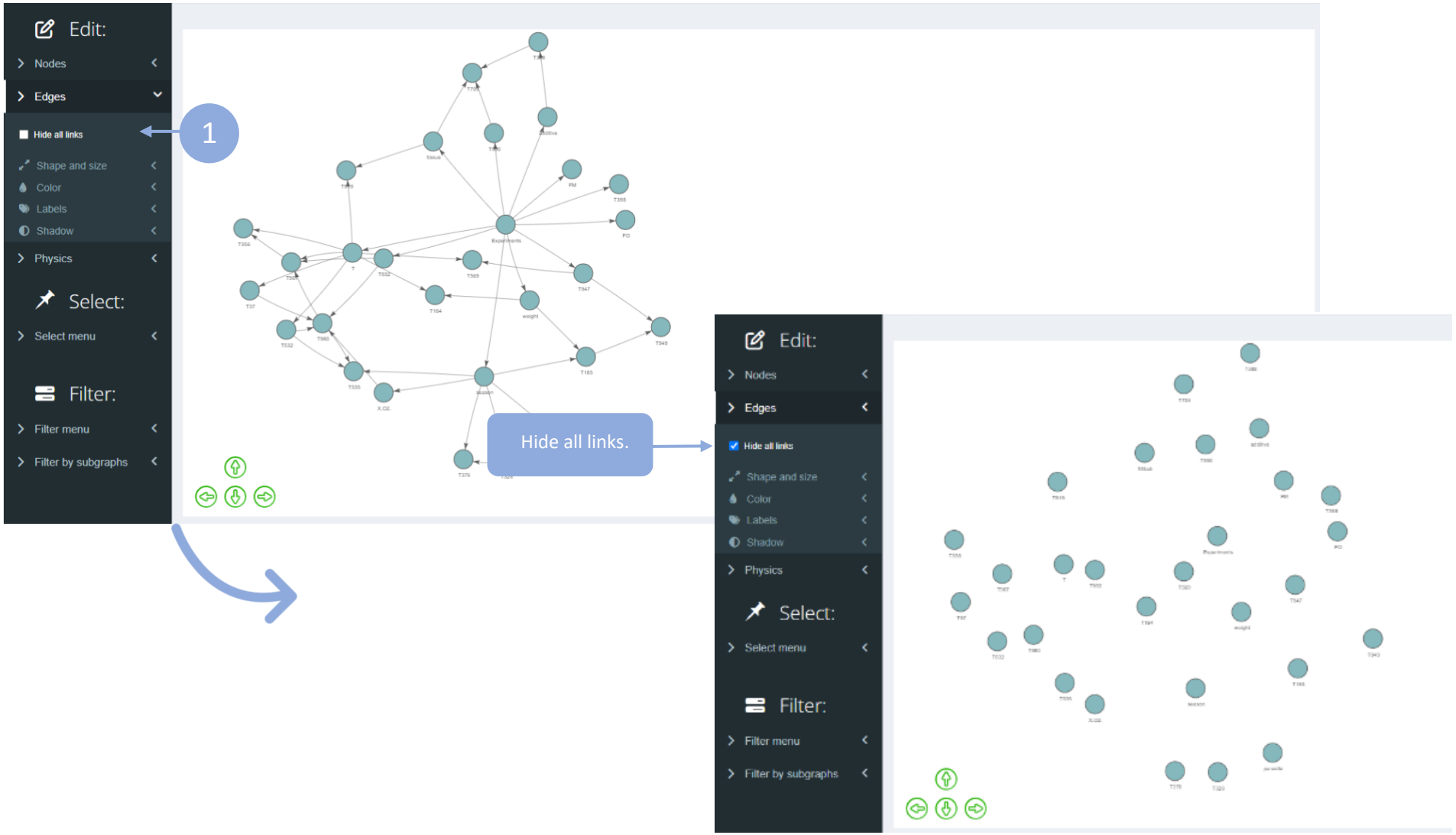
- Nodes: Labels.



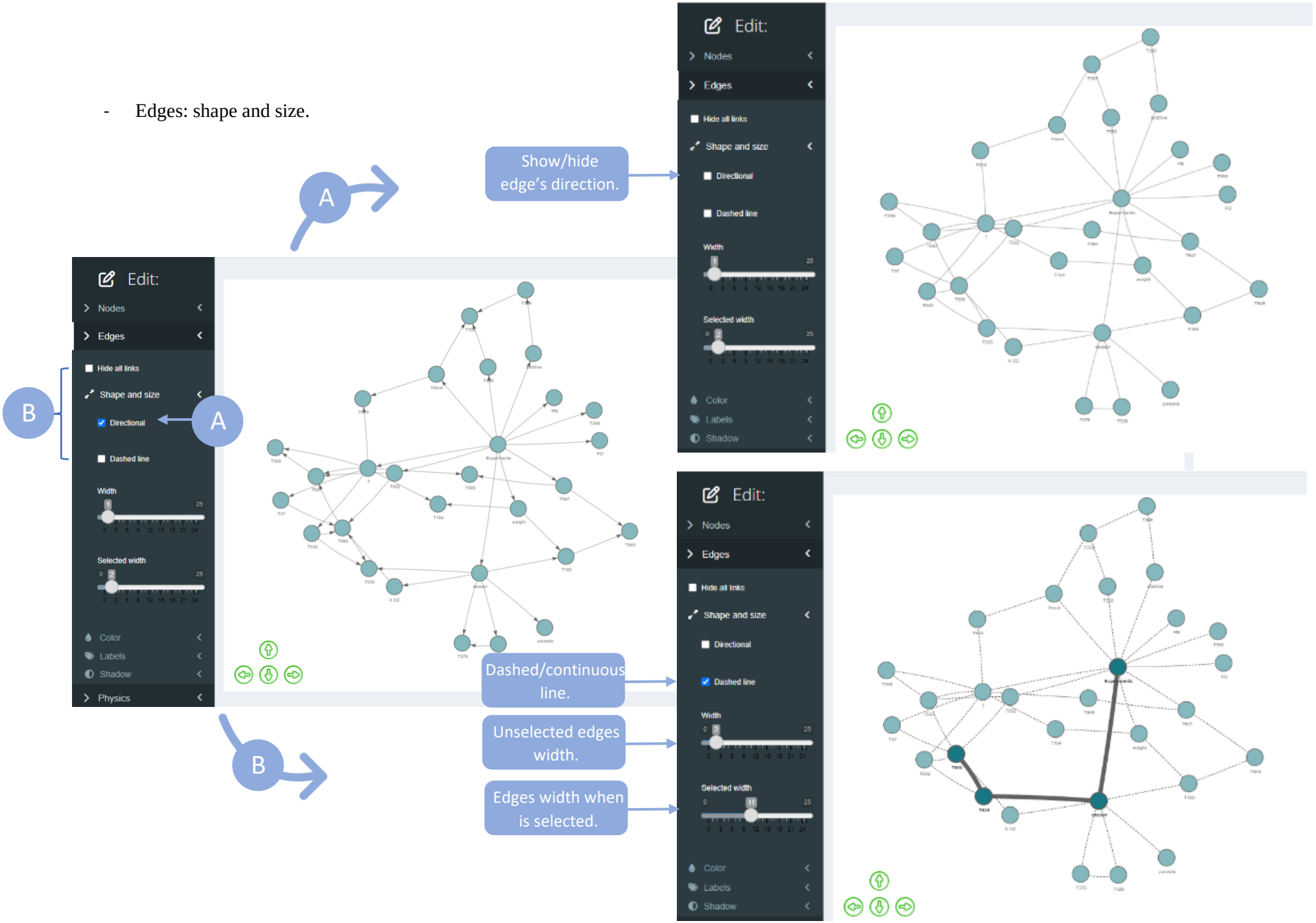
- Nodes: Shadow.



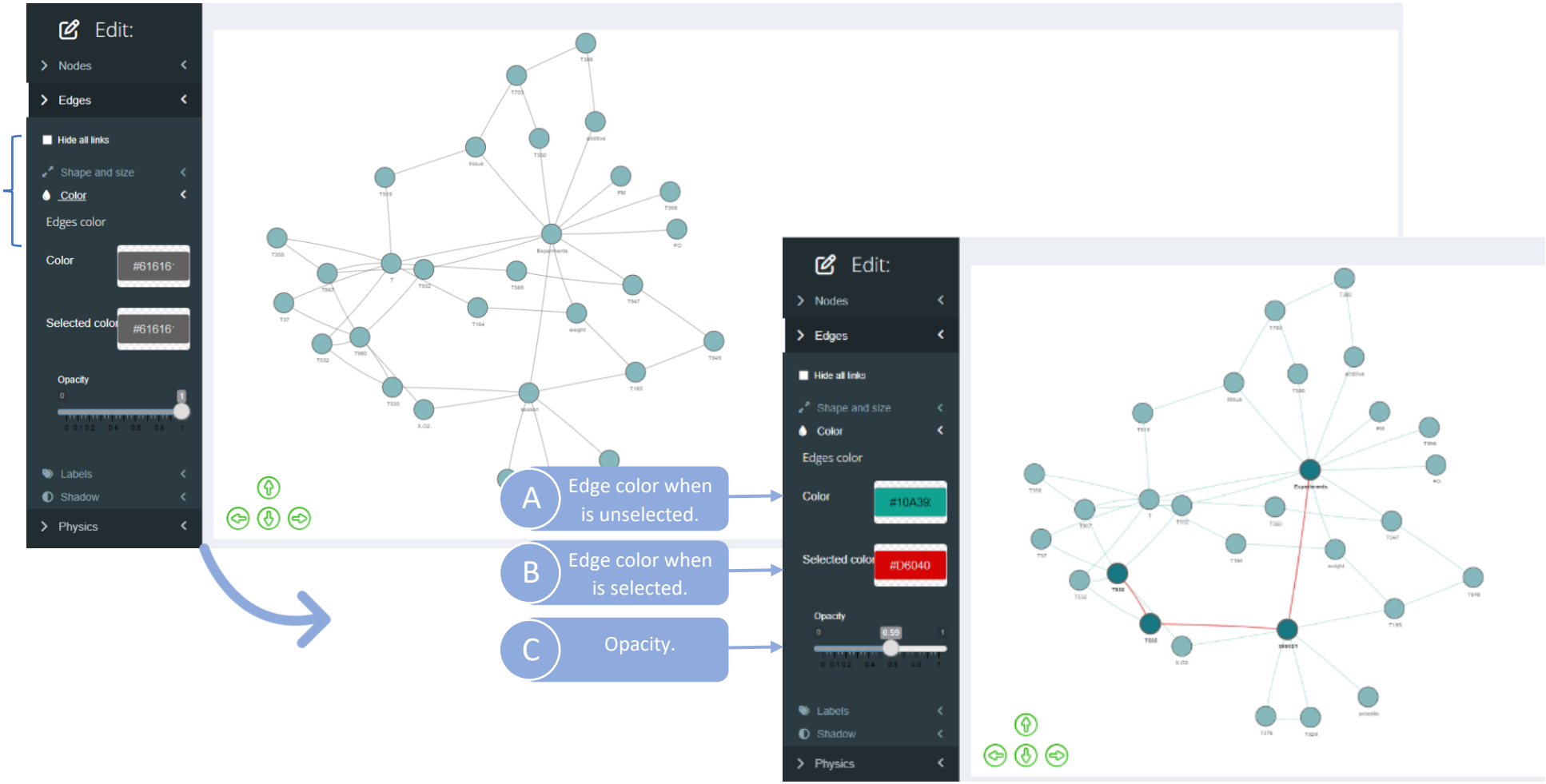
- Nodes: Shape and size.



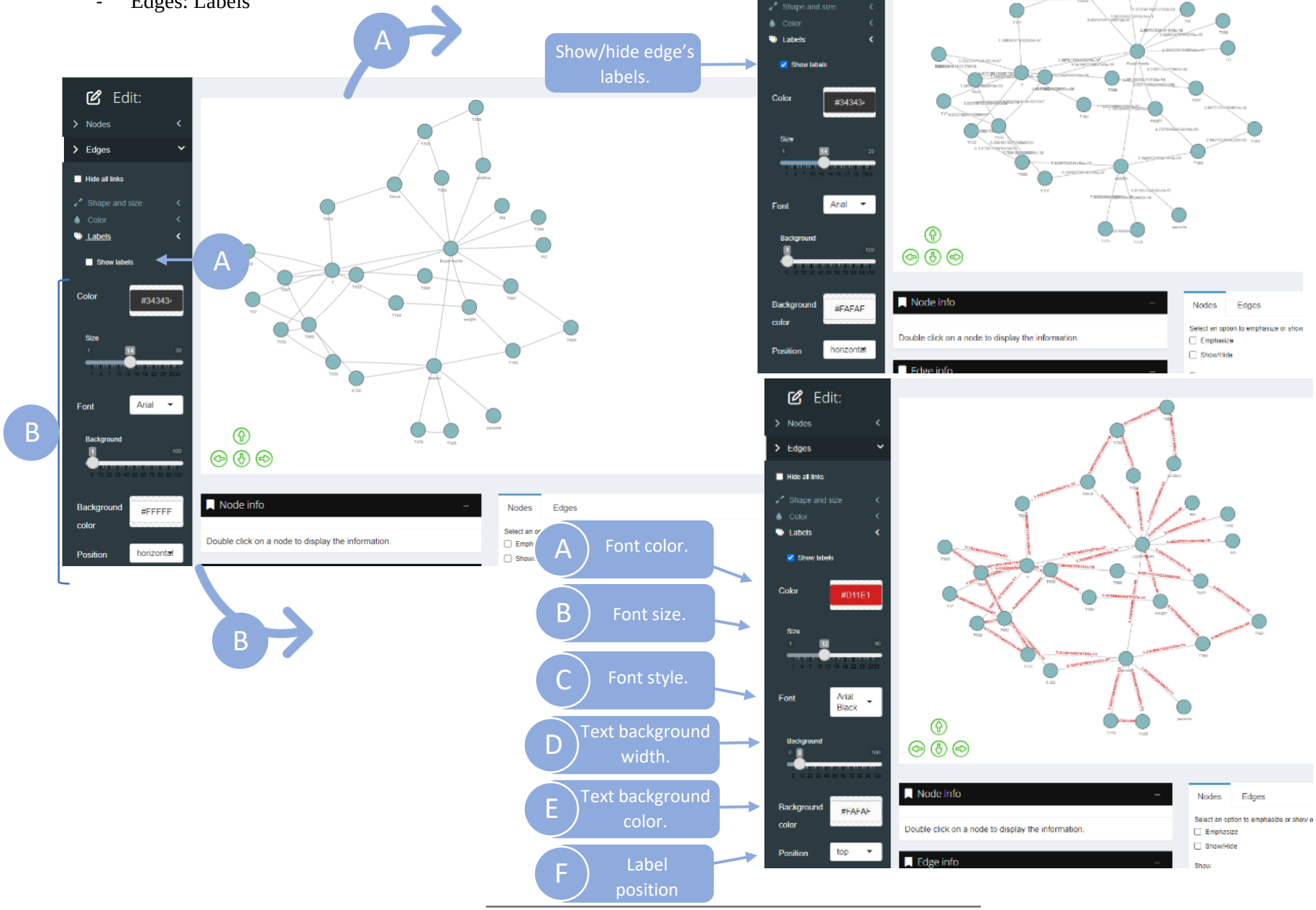
- Edges: shape and size.



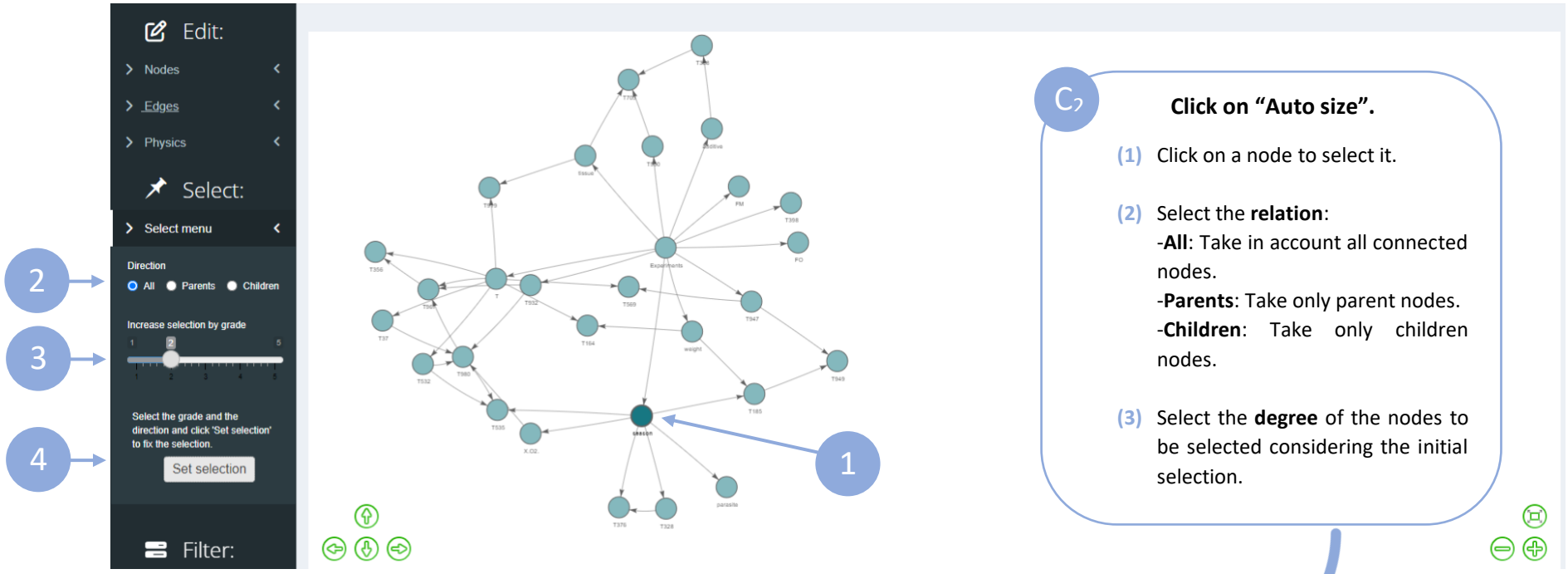
- Edges: Color


Edit:
Nodes
Edges
Hide all links
Shape and size
Color
Edges color
Color
#61616
Selected color
#61616
Opacity
Labels
Shadow
Physics
A
Edge color when is unselected.
B
Edge color when is selected.
C
Opacity.
Edit:
Nodes
Edges
Hide all links
Shape and size
Color
Edges color
Color
#10A39
Selected color
#D6040
Opacity
Labels
Shadow
Physics

- Edges: Labels



2 Set selection

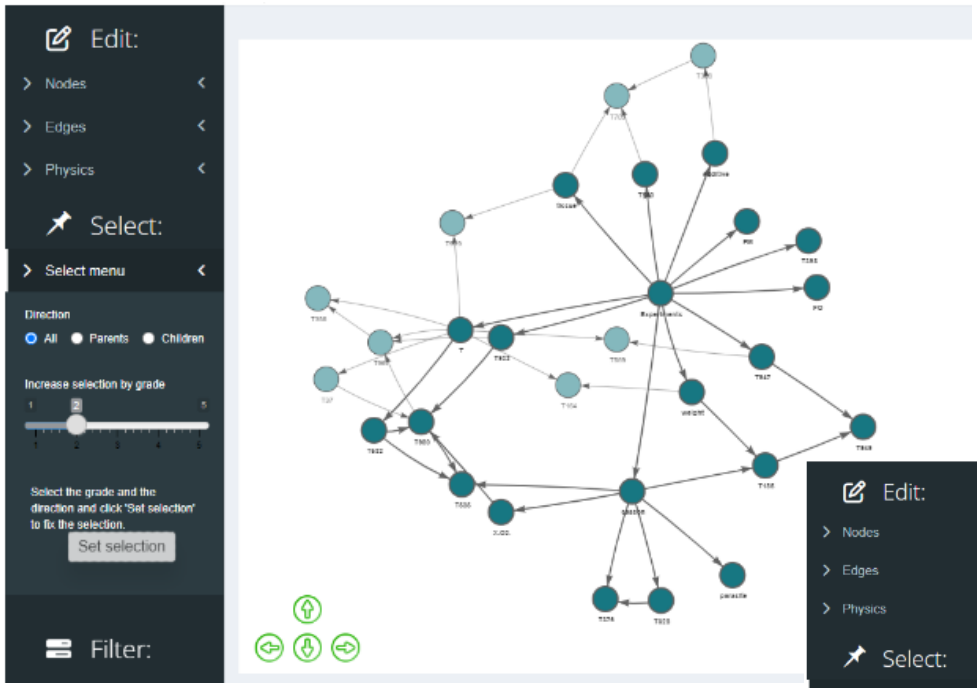


Click on "Auto size".

(1) Click on a node to select it.

(2) Select the **relation**:
-**All**: Take in account all connected nodes.
-**Parents**: Take only parent nodes.
-**Children**: Take only children nodes.

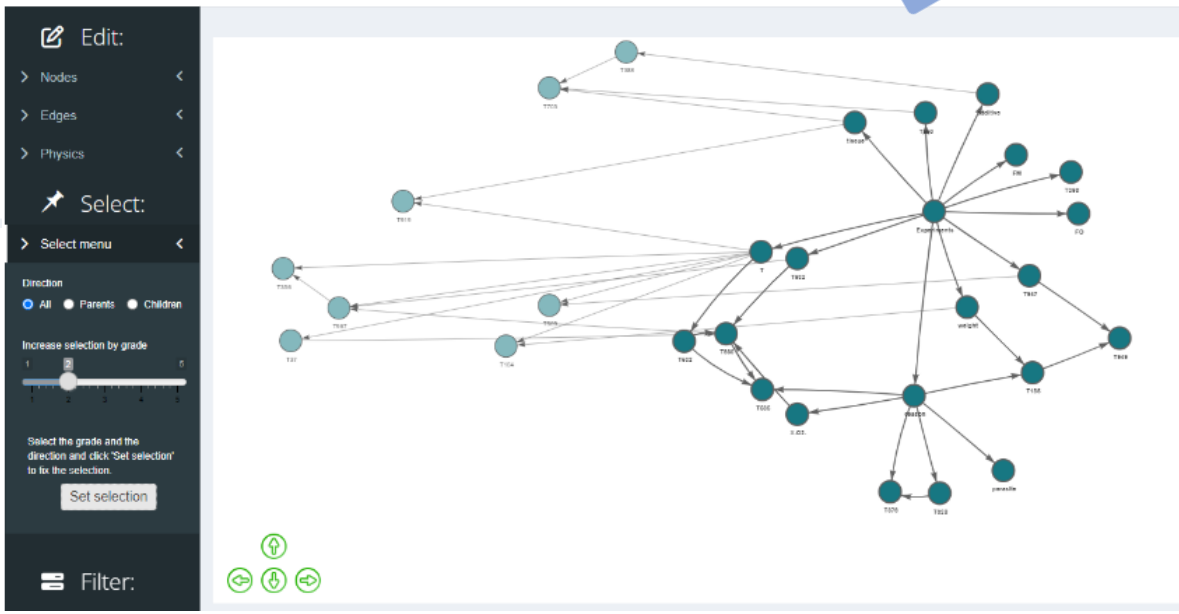
(3) Select the **degree** of the nodes to be selected considering the initial selection.



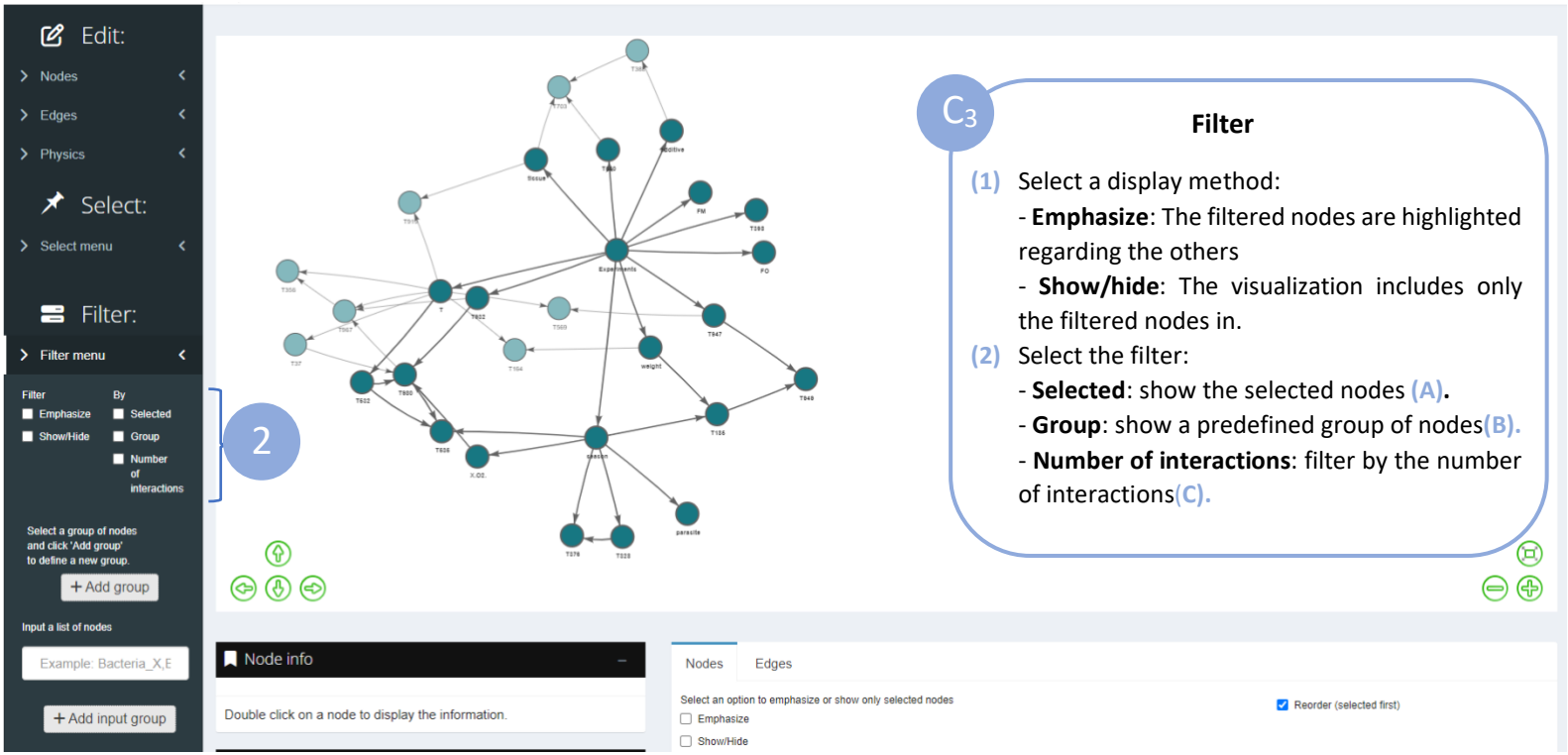
C_2 Once you have your group, you can:

- Move the whole group (A).
- Edit the selected nodes in the edit menu.
- Add a new filter group in the filter menu.

A



3 Filter menu

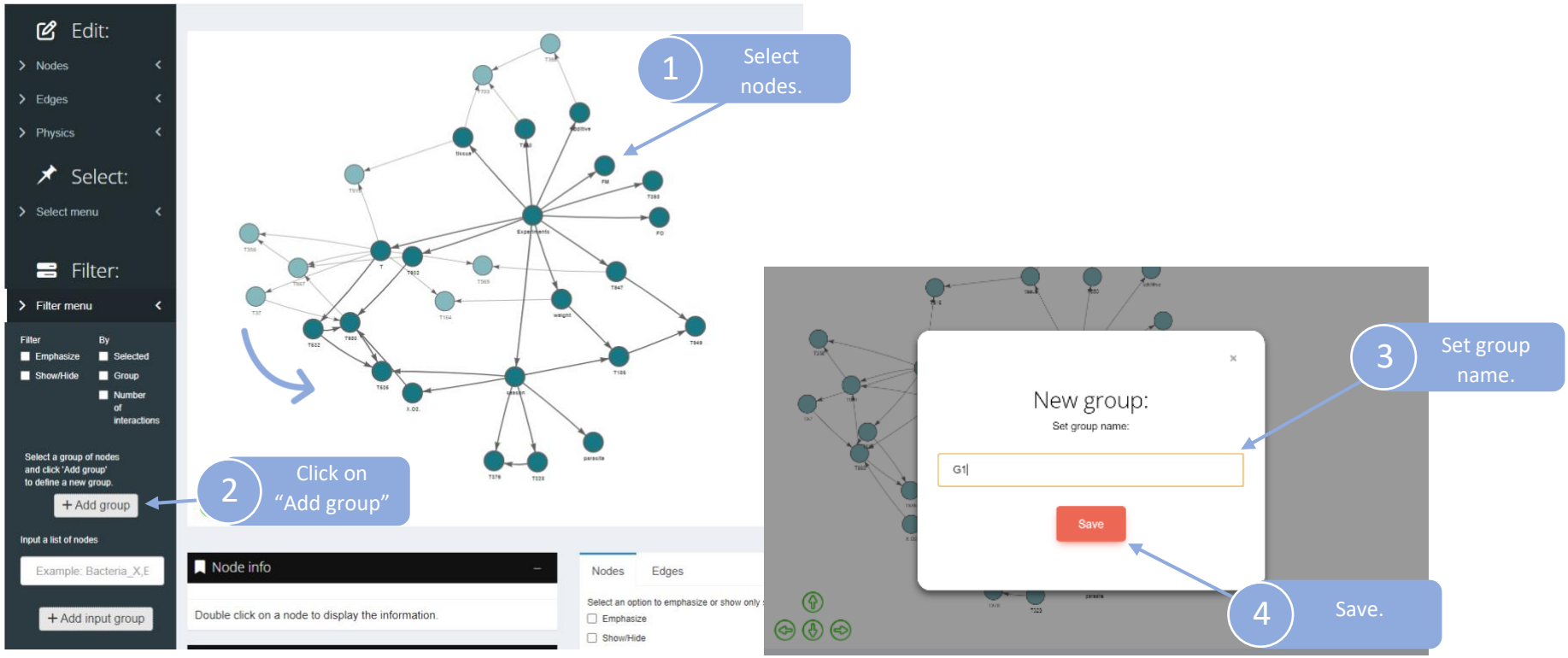


C3 Filter

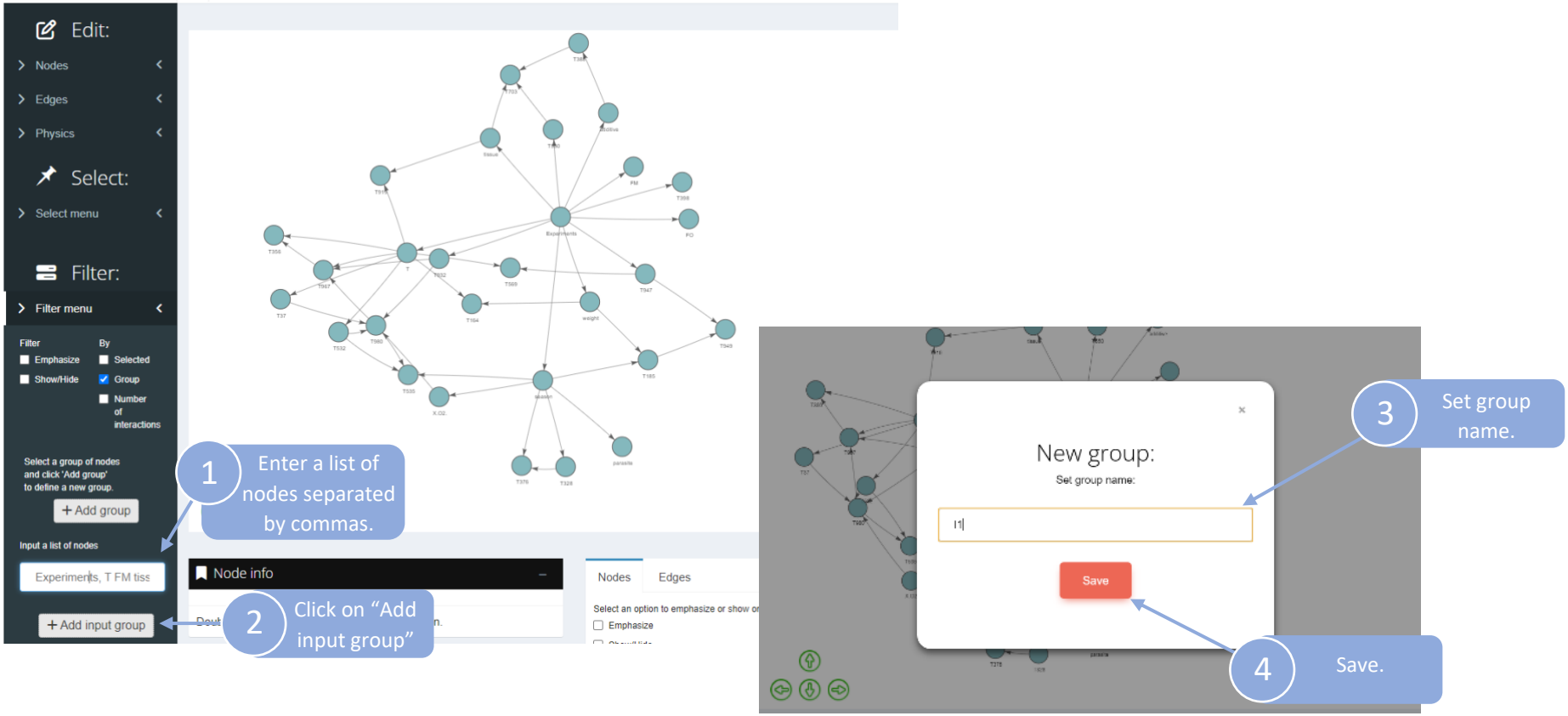
(1) Select a display method:
- **Emphasize**: The filtered nodes are highlighted regarding the others
- **Show/hide**: The visualization includes only the filtered nodes in.

(2) Select the filter:
- **Selected**: show the selected nodes (A).
- **Group**: show a predefined group of nodes(B).
- **Number of interactions**: filter by the number of interactions(C).

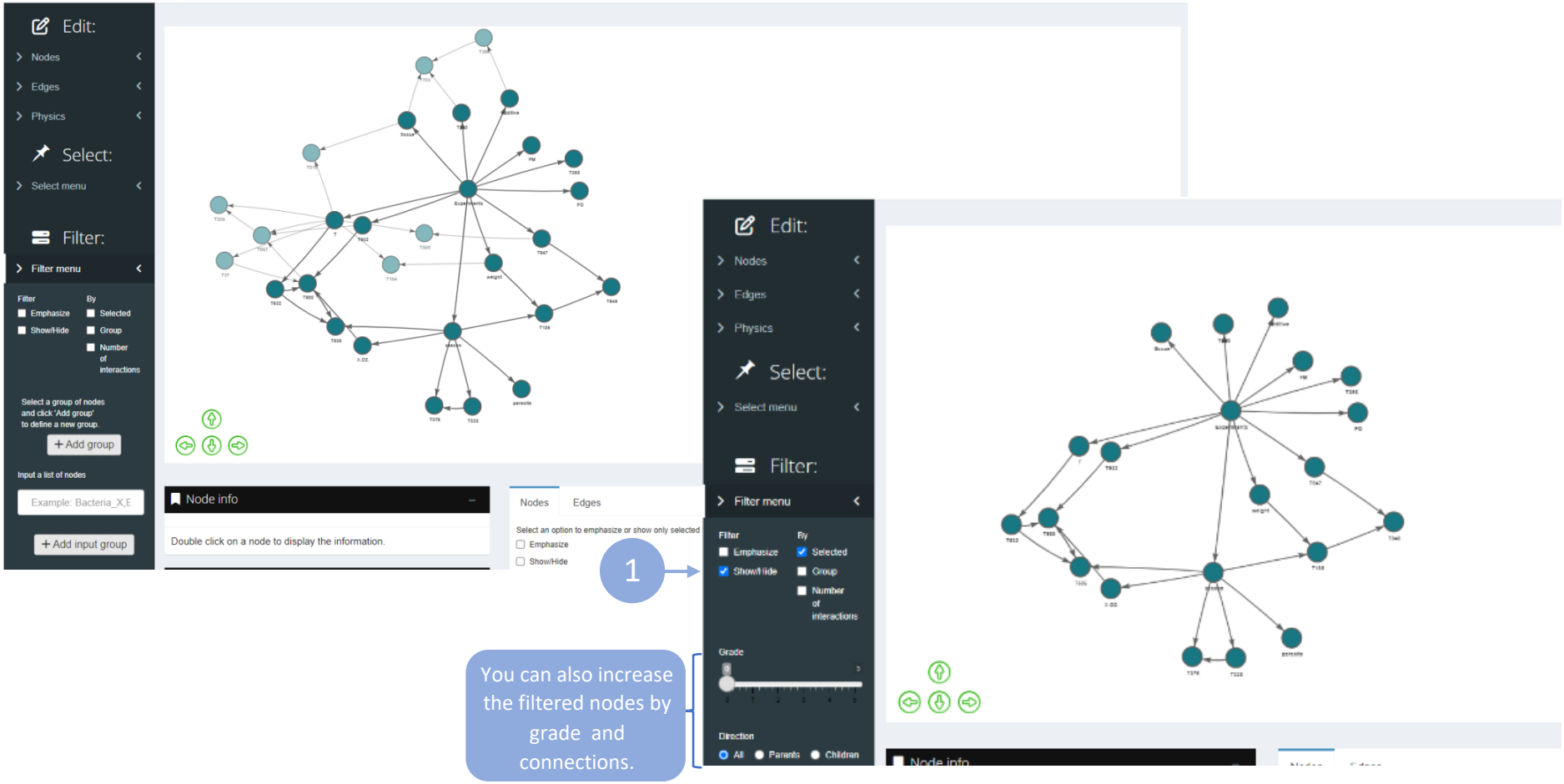
- Define a group based on the selection.



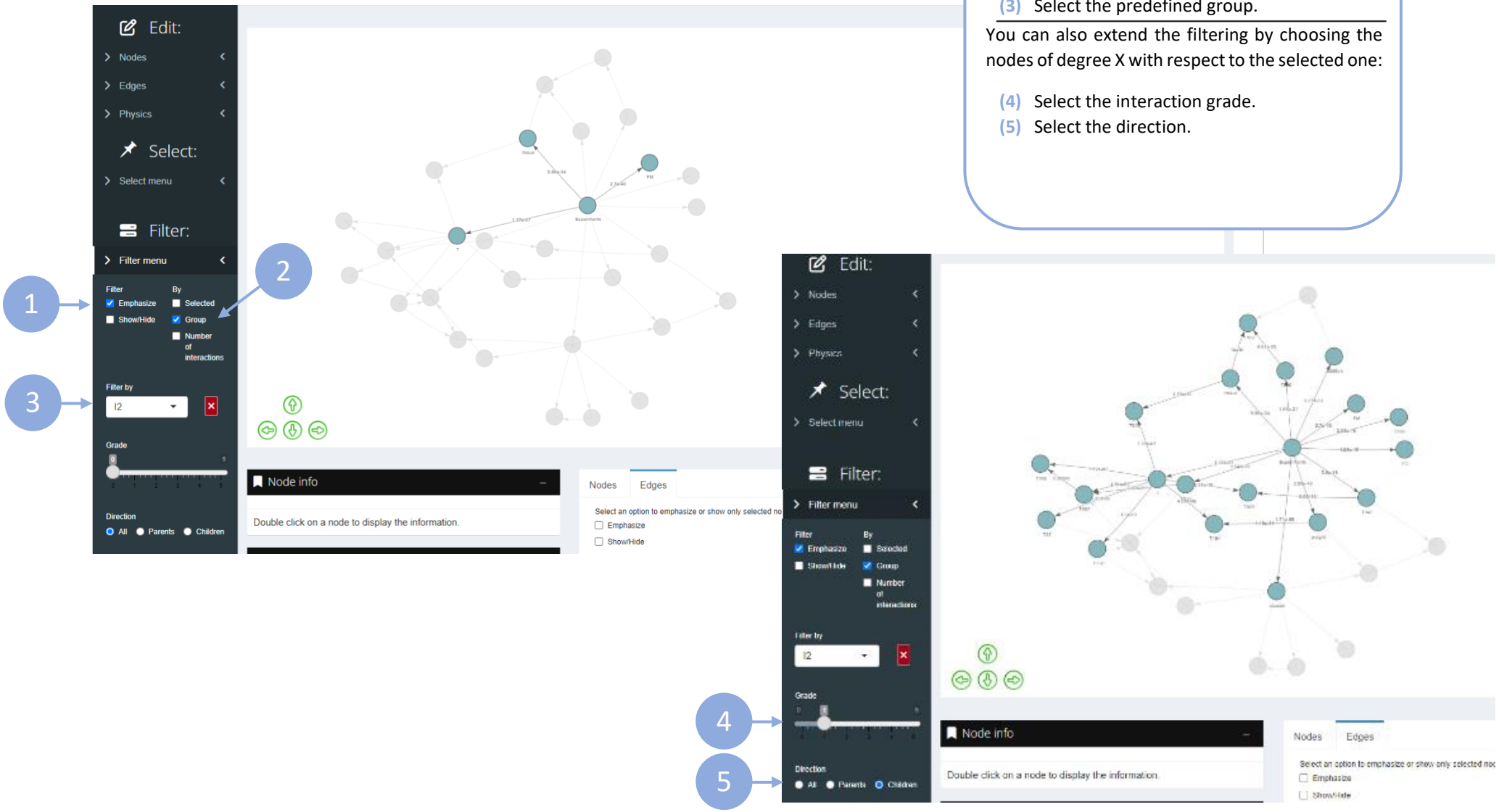
- Define a group from a list of nodes.



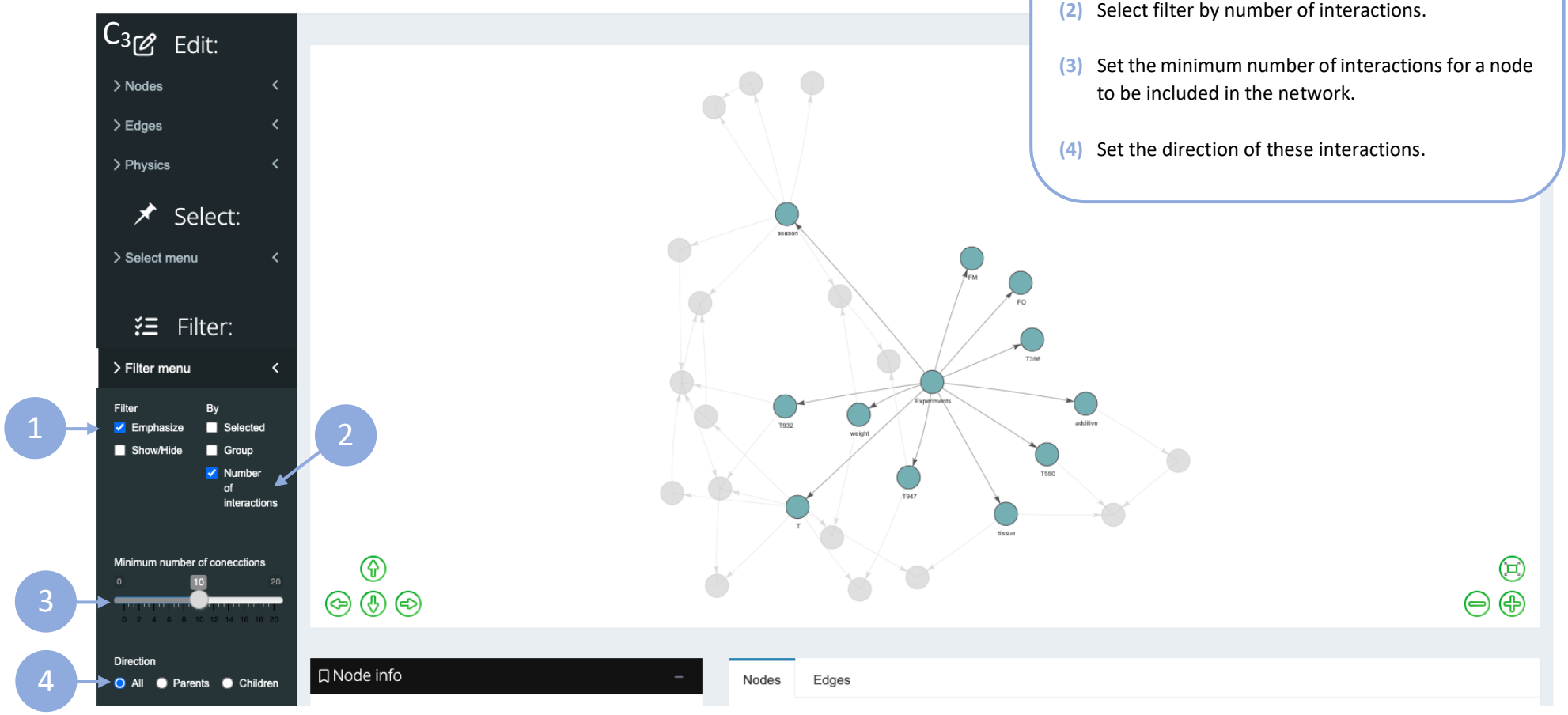
- Filter by selecting.



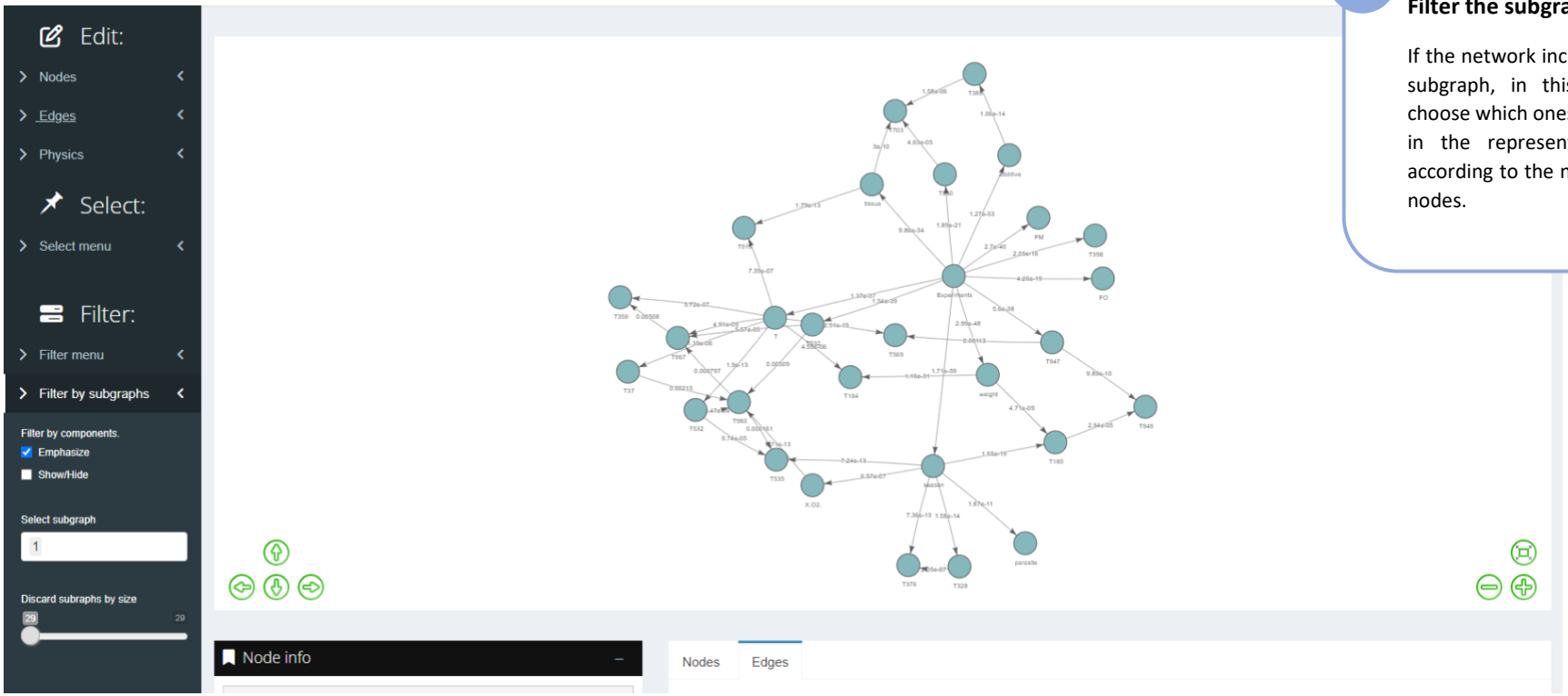
- Filter by group.



- Filter by number of interactions.



- Filter the subgraph:

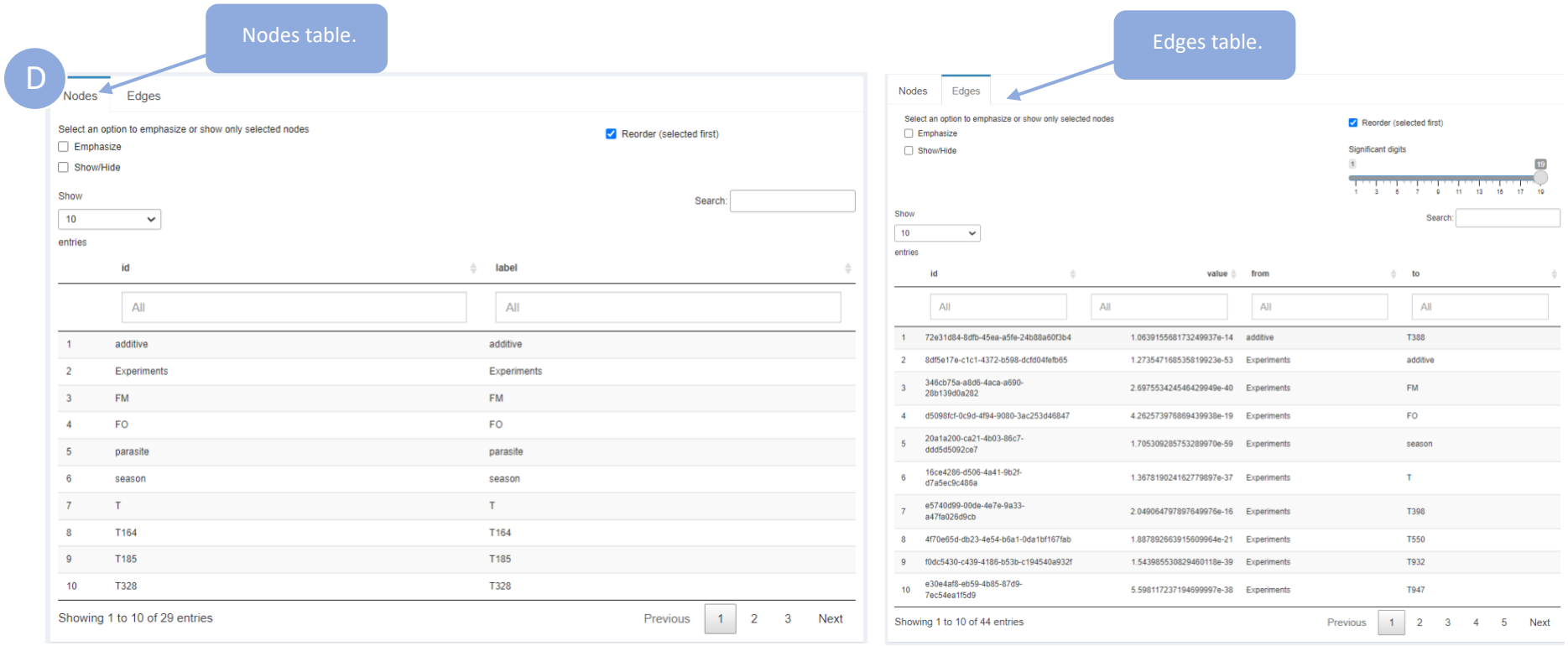


C3

Filter the subgraphs

If the network includes more than one subgraph, in this section, you can choose which ones you want to include in the representation manually or according to the number of connected nodes.

(D) Data manager.

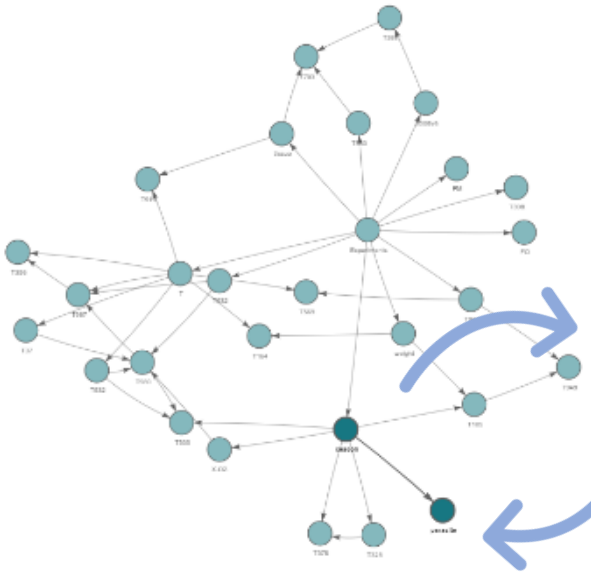


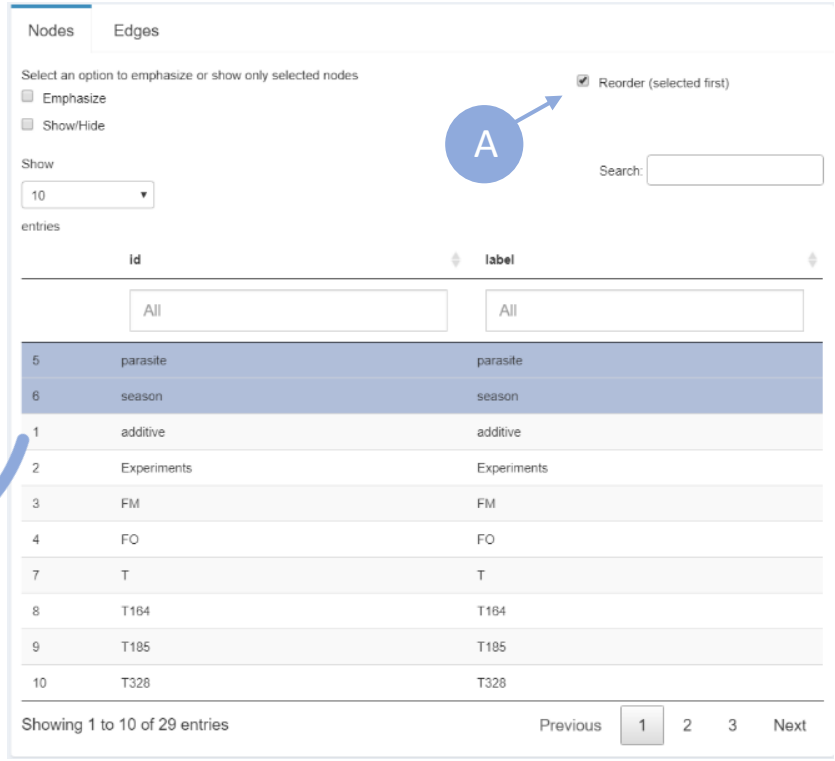
This section includes the nodes and edges information in a table format and allows the user to:

1 Select and reorder data.

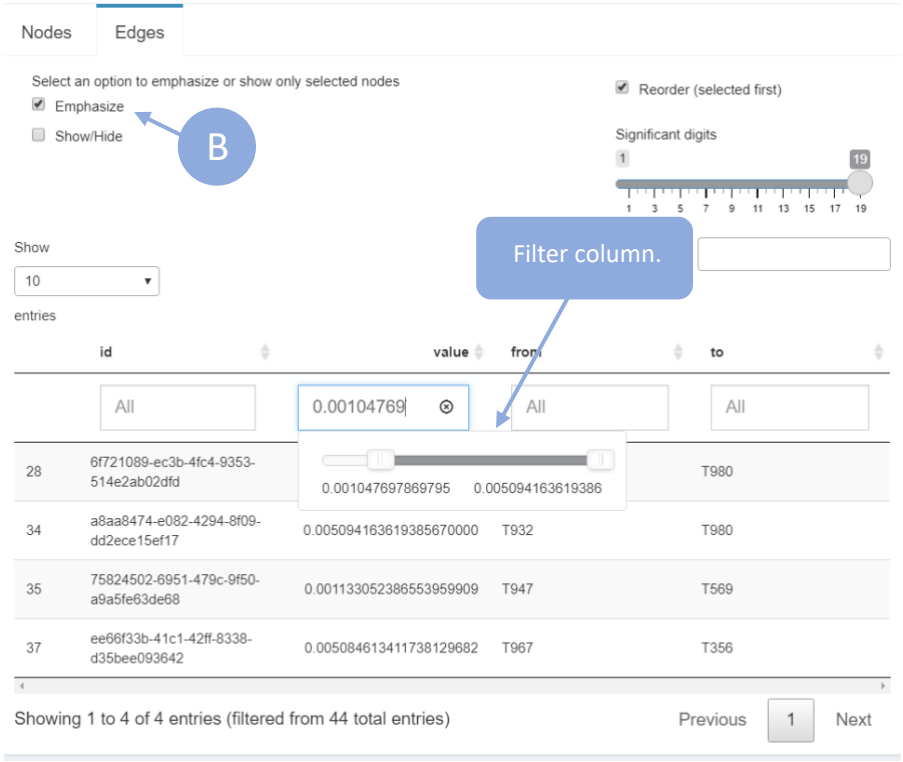
D_1

When selecting a node in the network, it is automatically selected in the table. Likewise, if we select a row of the network, the corresponding node will be selected in the network. By default, the selected nodes will be reordered, placing themselves in the first position of the table (this function can be deselected by deselecting the “Reorder” box (A)).



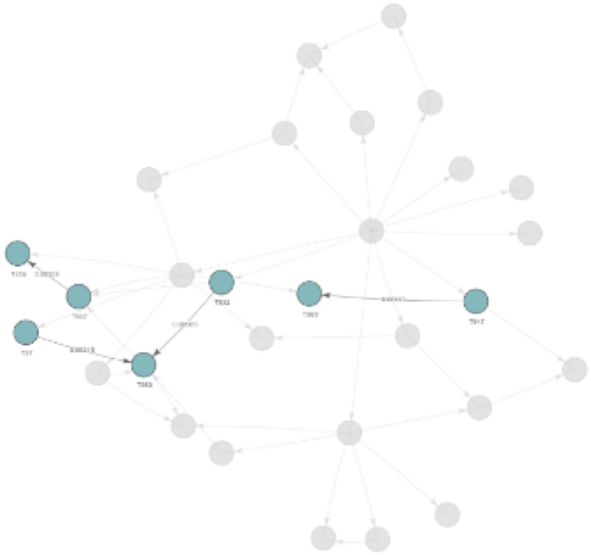


2 Filter data by columns.



D_2

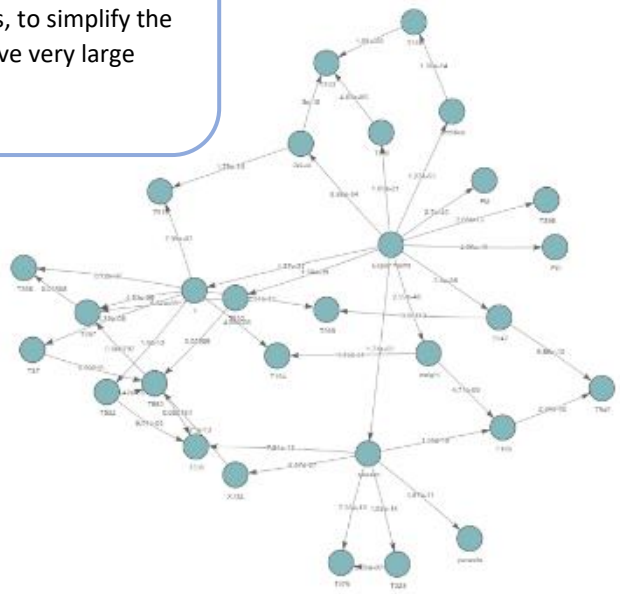
Filter by columns the information of the nodes and edges. These filters can be uploaded to the network by clicking on “Emphasize” or “Show/hide” **(B).**



3 Change strength and labels.

D_3

The strength value can be rounded to a certain number of significant digits, to simplify the display if we have very large values.



Nodes | Edges

Select an option to emphasize or show only selected nodes

- Emphasize
- Show/Hide

Reorder (selected first)

Significant digits: 1 | 3 | 19

Number of significant digits.

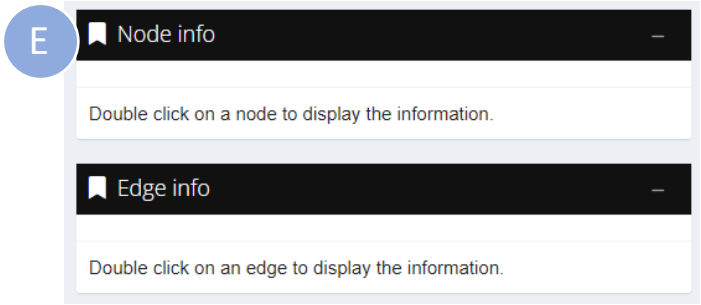
Show 10 entries

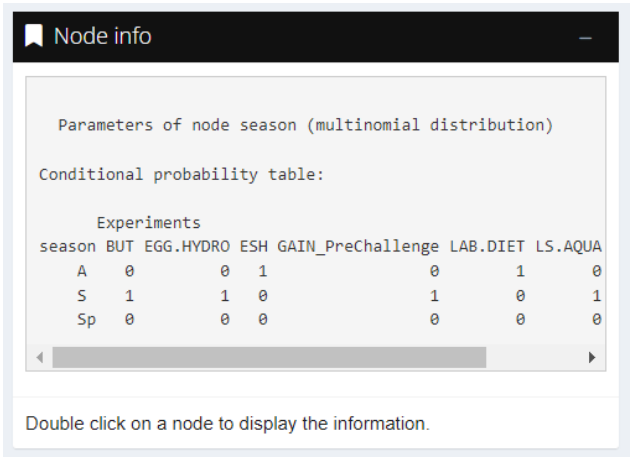
Search:

	id	value	from	to
	All	All	All	All
1	72e31d84-8dfb-45ea-a5fe-24b88a60f3b4	1.06e-14	additive	T388
2	8df5e17e-c1c1-4372-b598-dcfd04fefb65	1.27e-53	Experiments	additive
3	346cb75a-a8d6-4aca-a690-28b139d0a282	2.70e-40	Experiments	FM
4	d5098fcf-0c9d-4f94-9080-3ac253d46847	4.26e-19	Experiments	FO
5	20a1a200-ca21-4b03-86c7-ddd5d5092ce7	1.71e-59	Experiments	season

(E) CPT

Double clicking on a node will display its conditional probability table.





Double clicking on an Edge will display causal relationships information and its strength.