

User guide

This document is intended to serve as a guide for all WIAT users.



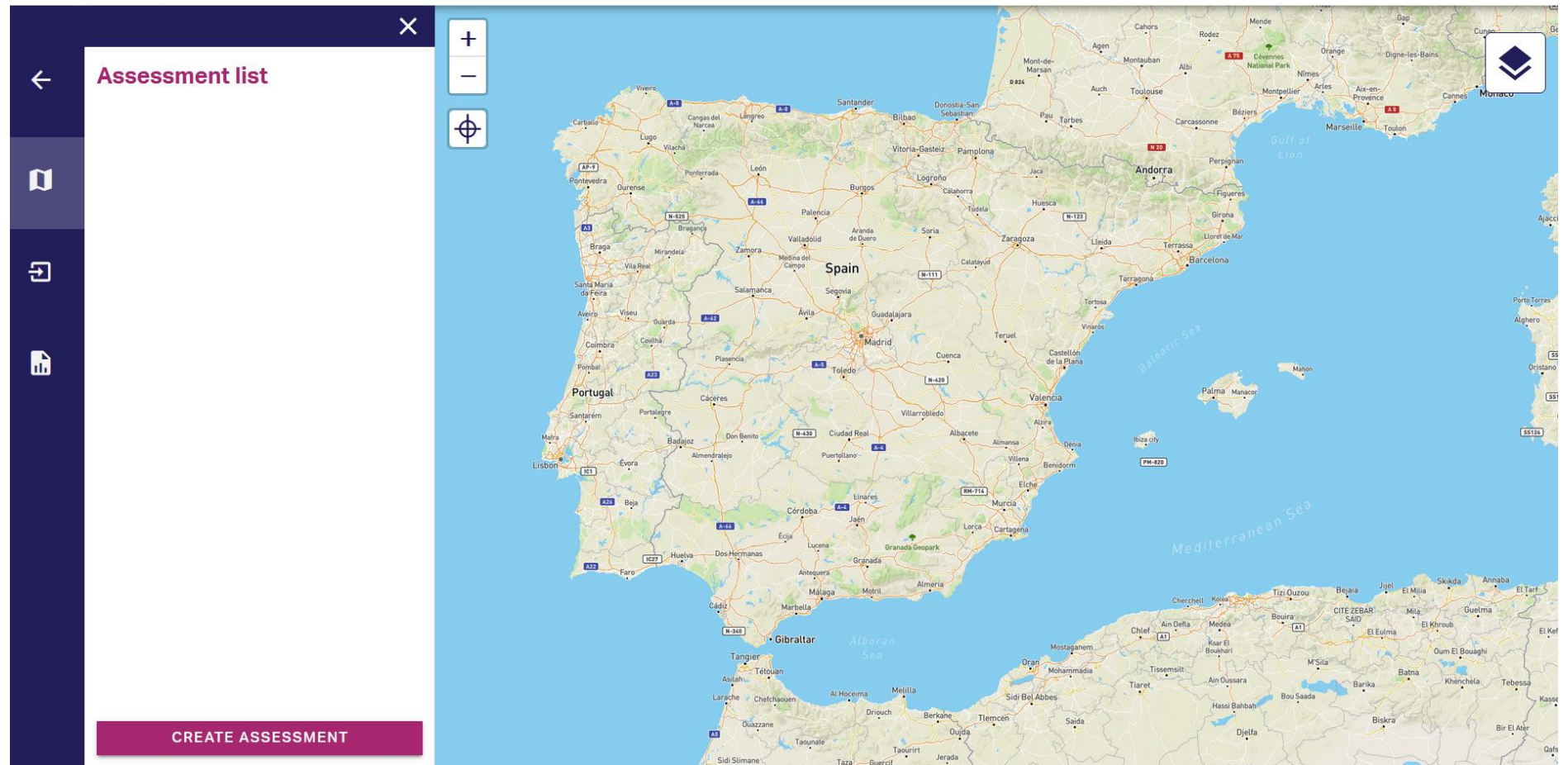
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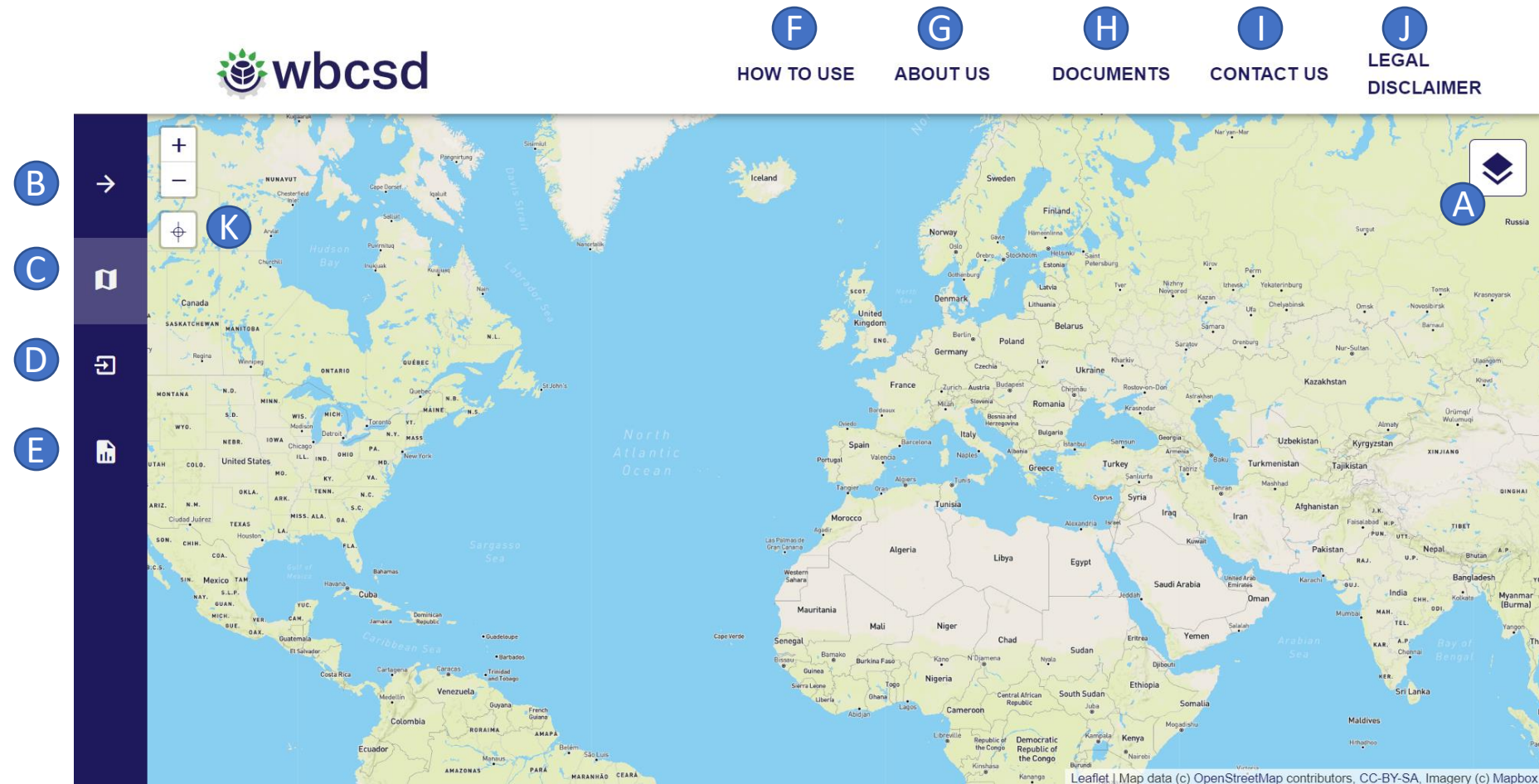
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Map interface

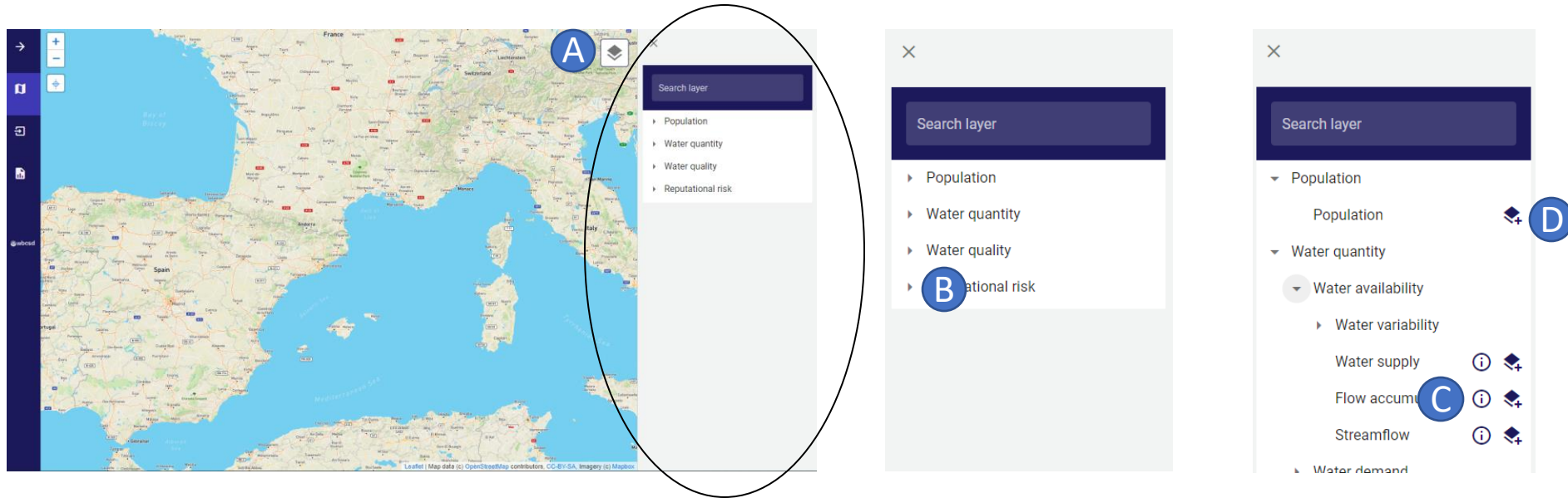
This is the home page of WIAT, in it you can see the elements of the project and all the global indicators.

- A. Global indicators.
- B. Create assessment tab.
- C. Map of the tool.
- D. Load and save file.
- E. Report.
- F. How to use
- G. About us
- H. Documents
- I. Contact us
- J. Legal disclaimer
- K. Search location by address, decimal degree or in DMS



Global indicators

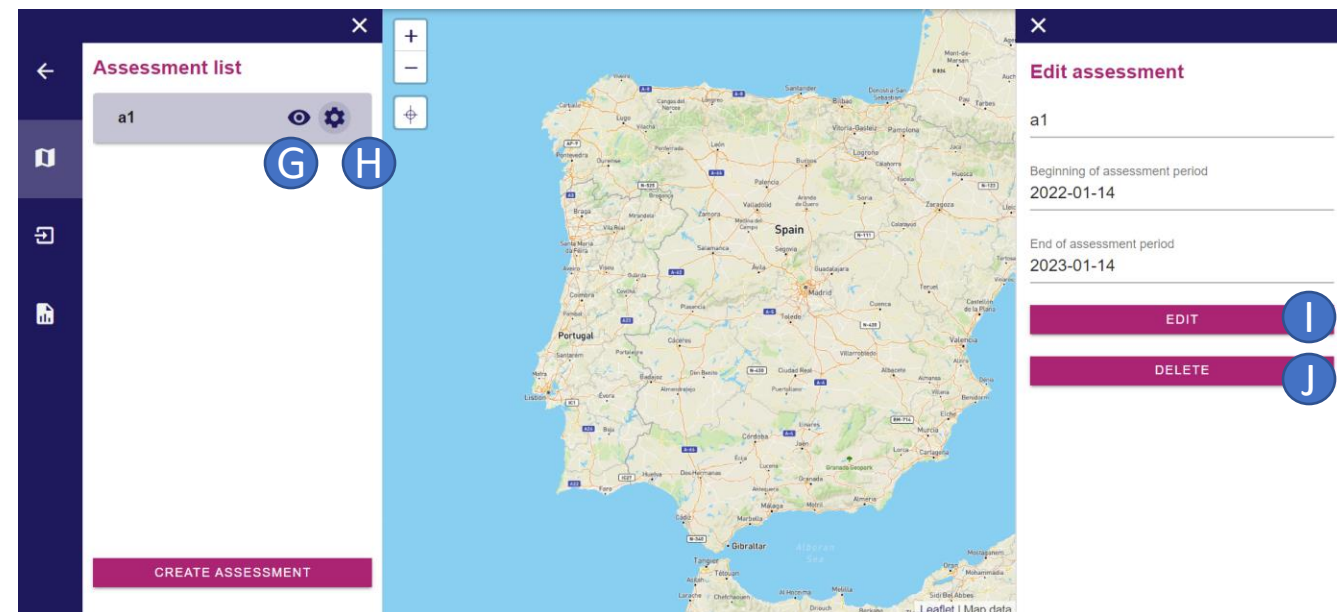
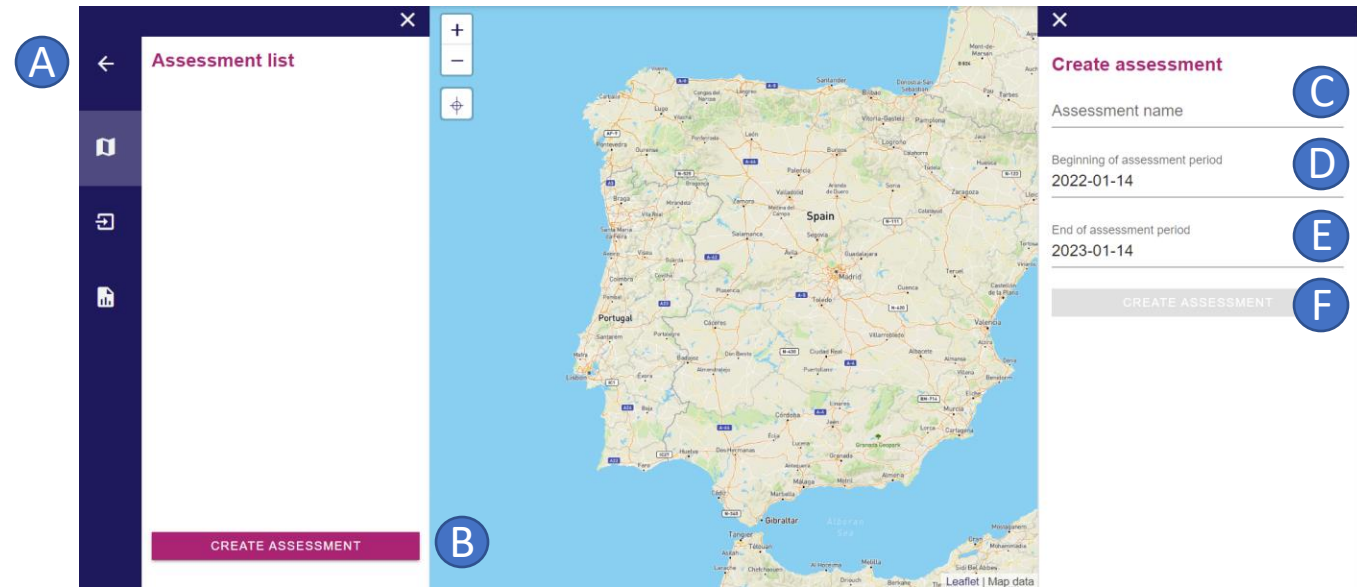
Clicking on the global indicators icon will open the following tab on the right side of the page.



- A. Global indicators icon, open/close the indicator tab.
- B. Button to display or minimize the different global indicators classified in different groups and subgroups.
- C. Button to display the information tab on the layer.
- D. Button to add the global indicator layer.

Create assessment

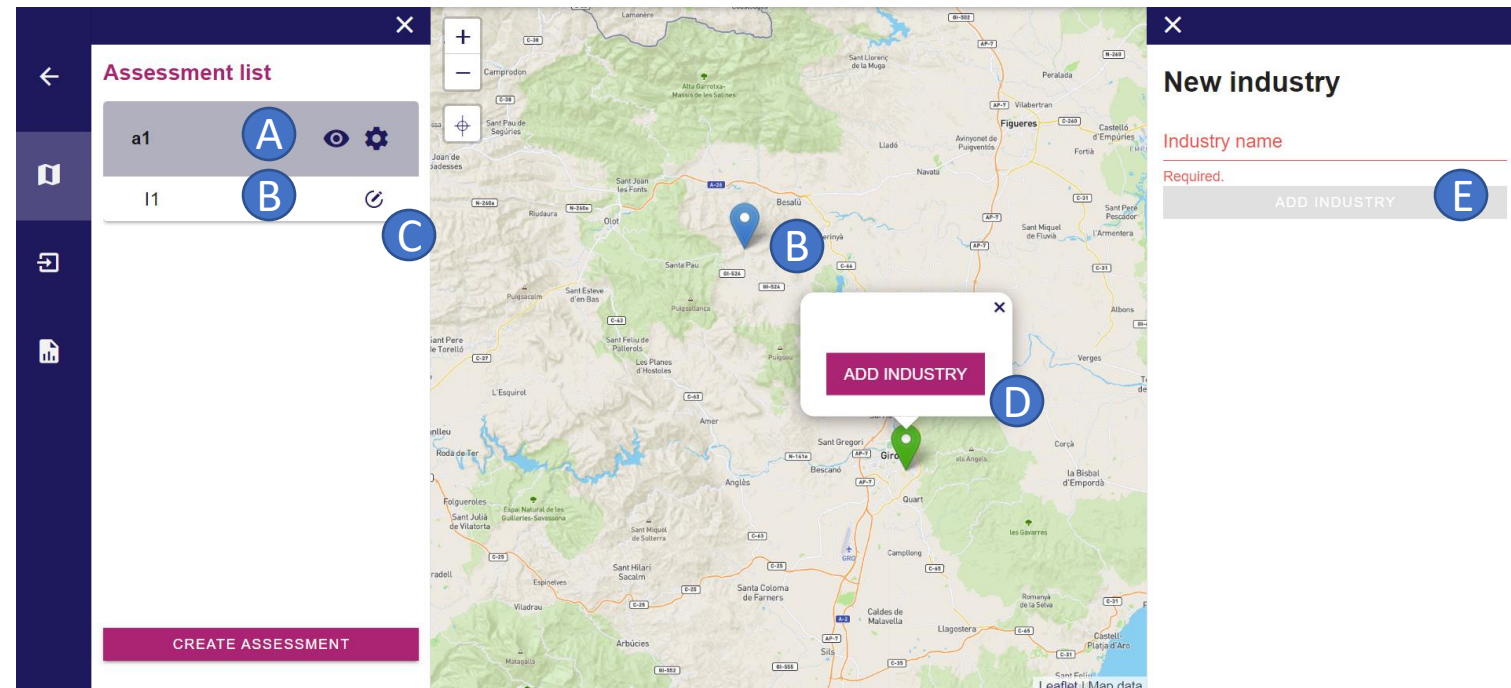
- A. Open/close menu/assessment list tab.
- B. Button to display the window on the right side of the screen.
- C. Space to write the assessment name
- D. Beginning of assessment period, clicking on the date will display a calendar to select the date.
- E. End of the assessment period, clicking on the date will display a calendar to select the date.
- F. Create assessment button.
- G. Hide/Show industries of the assessment
- H. Button to display the edit assessment window on the right side of the screen.
- I. Button to save the assessment changes (name and dates).
- J. Button to delete the assessment created.



Create assessment

By clicking on any of the map after clicking in the assessment you are working with, an icon will appear indicating the position and a "add industry" tab will appear.

- A. Name of the assessment you are working on.
- B. Industry already created with the name of industry 1 and its location marked on the map.
- C. Edit industry icon.
- D. Add industry icon, it appears once you have marked on the map where you want to locate an industry.
- E. Add industry button once you write the industry name.



Edit industry icon

- A. Industry icon, brings up the edit industry tab on the right side of the screen.
- B. Advanced inputs, for selected industry.
- C. Delete selected industry.
- D. Place supply chain on the map.
- E. Add supply chain industry button.
- F. Supply chain industry already created, its position and "main product" industry.
- G. Add supply chain industry button once you write the name.

The image is a composite of four screenshots from a mobile application, illustrating the process of editing an industry and adding a supply chain.

- Top Left Screenshot:** Shows the 'Assessment list' on the left with a table containing 'a1', 'I1', and 'I2'. The 'I1' row is selected, and a blue circular icon with the letter 'A' is overlaid on it. On the right, a map shows the location of 'I1' with a blue pin. A purple button labeled 'CREATE ASSESSMENT' is at the bottom.
- Top Right Screenshot:** Shows the 'Edit industry' screen for 'I1'. It has a purple header and three buttons: 'RENAME', 'ADVANCED INPUTS', and 'DELETE'. A purple button labeled 'PLACE SUPPLY CHAIN ON THE MAP' is at the bottom. A blue circular icon with the letter 'B' is overlaid on the 'ADVANCED INPUTS' button.
- Bottom Left Screenshot:** Similar to the top left, but the 'I1' row is now highlighted in grey, and a blue circular icon with the letter 'E' is overlaid on the 'I1' row.
- Bottom Right Screenshot:** Shows the 'Supply chain industry' screen. It has a purple header and a text input field for 'Supply chain industry name' with the value 'sc2'. A purple button labeled 'ADD SUPPLY CHAIN INDUSTRY' is at the bottom. A blue circular icon with the letter 'G' is overlaid on the button.

Additional annotations on the map screenshots include a blue circular icon with the letter 'F' on the map in the top right and bottom right screenshots, and a blue circular icon with the letter 'D' on the map in the top right screenshot.

Advanced inputs

- A. Part of the inputs questionnaire that you are currently answering.
- B. Other parts of the inputs questionnaire that depending on your answers will be unlocked.
- C. Button to display tab with different options.
- D. A red asterisk indicates that an input is required.
- E. Button to choose the estimated value.
- F. Show advanced inputs.
- G. Button to save and continue to the other questionnaire parts.

The screenshot displays a web-based questionnaire for 'Industry 1'. The interface is divided into three main sections. The top section, labeled 'Industry 1', shows a progress bar with four steps: 1. Water withdrawal and industry (marked with a blue circle A), 2. On-site WWTP (marked with a blue circle B), 3. Direct discharge (marked with a blue circle B), and 4. Offsite WWTP (marked with a blue circle B). The middle section contains several input fields: 'Standard industrial classification' (marked with a blue circle D and a red asterisk), 'Amount of product produced by the industry' (marked with a blue circle C), 'Concentration of COD in the industry effluent' (marked with a blue circle E), 'Concentration of Total Nitrogen in the industry effluent', and 'Concentration of Total Phosphorus in the industry effluent'. Each of these fields has a text input area and a numerical input area with a unit (tonnes/day or g/m3). The bottom section features a dark blue button labeled 'SHOW ADVANCED INPUTS' (marked with a blue circle F) and a 'SAVE AND CONTINUE' button (marked with a blue circle G).

Industry 1

Water withdrawal and industry (A) On-site WWTP (B) Direct discharge (B) Offsite WWTP (B)

Standard industrial classification* (D) Select C10 -- Manufacture of food produ... (C)

Amount of product produced by the industry* (tonnes/day)

Concentration of COD in the industry effluent (ESTIMATION: 140.1079718417046) (E) 0 g/m3

Concentration of Total Nitrogen in the industry effluent (ESTIMATION: 12.95454545) 0 g/m3

Concentration of Total Phosphorus in the industry effluent (ESTIMATION: 26.10771604938271) 0 g/m3

SHOW ADVANCED INPUTS (F)

SAVE AND CONTINUE (G)

Report (1)

- A. Report icon.
- B. Assessment tab
- C. Assessments to include in the report
- D. Global layers to include in the report
- E. Summary of the industries of the selected assessments
- F. Impact assessment
- G. Indicators to report to other platforms (such as GRI or CDP).
- H. Values of the selected layers on the industries
- I. Import custom risk thresholds
- J. Include 2030 BAU value
- K. Generate PDF report
- L. List of indicators

Report

A1 B

Industry information E

Impact assessment F

Reporting Indicators G

Global GIS Indicators H

Select assessments to include in the report

☒ a1 C

Select the layers to include in the report

☒ Population

☒ Water quantity

☐ Water quality D

☐ Reputational risk

Report

A1

Impact assessment

*Click at any row to see advanced information!

	I1	I2	Unit
Quality and quantity	Low impact	Low impact	-
Total GHG emissions ⓘ	0.00e+0	0.00e+0	kgCO2eq
Eutrophication potential ⓘ	-	-	gPO4eq/m3
Toxic units on the effluent ⓘ	-	-	TU
Increase in toxic units in the receiving water body after discharge	0.00e+0	0.00e+0	TU

Upload custom risk thresholds

DOWNLOAD TEMPLATE

Import template

Include 2030 BAU values in th...
Yes

GENERATE PDF

Report (2)

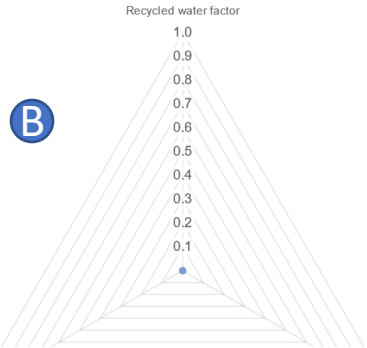
- A. Indicator broken down into subcategories
- B. Chart
- C. Explanation and formula of subcategory

A

	i1	i2	Unit
Dilution factor ⓘ	-	-	-
Recycled water factor ⓘ	-	-	%
Treated water factor ⓘ	-	-	%
Consumption available ratio ⓘ	0.00	0.00	%
Specific water consumption ⓘ	1.67e+0	1.25e+1	tonnes/m3

i1 i2

B



Dilution factor ⓘ

Recycl

Treat

Consu

Specif

C

Dilution factor

Ratio of concentration in the effluent to concentration in the receiving water after mixing in the receiving water. Bigger values indicate less impact of the effluent concentration to the river.

$$\frac{W_a + W_{effl} - W_w}{W_{effl}}$$

Where:

- W_a : Amount of water available in the river
- W_w : Amount of water withdrawn from the river
- W_{effl} : Amount of water discharged into the river by industry

Load and save file

- A. Load a file with inputs.
- B. Save session, download a .json file to load in another session.
- C. Download a Excel template to enter all the inputs.
- D. Load a excel template with all the inputs.

The screenshot shows a web interface titled "Load and save file" with a dark blue sidebar on the left containing icons for navigation, a document, a download, and a file. The main content area has a light gray background and contains the following elements:

- Load and save file** (Section Header)
- Import session** (Section Header)
 - Radio buttons: ☒ Replace *i*, ☐ Append *i*
 - File input field with a paperclip icon and the text "File input" (Annotation A is next to this field)
- Export session** (Section Header)
 - File name input field with the text "Untitled file" (Annotation B is next to the "SAVE SESSION" button)
 - SAVE SESSION** button with a cloud upload icon
- Load from Excel file** (Section Header)
 - 1) **DOWNLOAD TEMPLATE** button with a cloud download icon (Annotation C is next to this button)
 - 2) Fill out Excel file
 - 3) **Import template** button with a paperclip icon (Annotation D is next to this button)