Feature: Input page for “any” measure

1 Overview

This feature enables a user (a Living Lab (LL) participant) to input a value for “any” measure of the data collection list. Any is in quotation marks as for now, the focus is on implementing one measure per measure type. This is thought as being the way of inputting the data that always works, but to be more convenient, alternatives ways to input (i.e. enable several measures to be input at the same time) are also going to be provided. The idea is that once this is implemented for all the measures from the list, it is possible to start the data collection in the portal.

2 Terminology

This section gathers the definition of terms which are used in this document.

3 Measure types

The measures for which data can be uploaded can be divided into five types. A list of all the measures and their types can be found in Section 6. In this section, an overview of each type is given.

3.1 Type A

A measure of type A is a measure where one measurement is input, which should be in a predetermined unit. The unit showed should vary based on the measure selected but not modifiable by the user. E.g. water harvested in liters.

3.1.1 Subtype A-1

A measure of type A where the unit depends on the measure selected and on the location selected. E.g. price of pesticide in € or RON.

3.1.2 Subtype A-2

A measure of type A where there is no unit. E.g. number of gardens actively used.

3.2 Type B

A measure of type B is a measure where measurements are input for different subcategories. The subcategories are selected by the user in a predefined list. The number of subcategories selected can vary. Each measurement has a predetermined

unit (the same for all subcategories). E.g. vegetables produced in kilograms, per vegetable: kg of tomatoes, kg of onions.

3.2.1 Subtype B-2

A measure of type B where there is no unit. E.g. population per group: number of men, number of women.

3.3 Type C

A measure of type C is a list of items that the user can input. All the items are input separately and the number of items can vary. E.g. tools used.

3.3.1 Subtype C-1

A measure of type C where each item to be input has a predetermined unit depending on the measure selected and the location. E.g. price of equipment used.

3.4 Type D

A measure of type D is input using a scale. The scale is predetermined based on the measure.

3.5 Type E

A measure of type E is connected to an event. The user can either select the connected event in a list of create a new one.

4 Visual description

You first need to log in to access the page (not shown).

The page has two parts: a generic one, which is the same for all the measures and a specific one, depending on which measure is selected. This is shown in Figure 1.

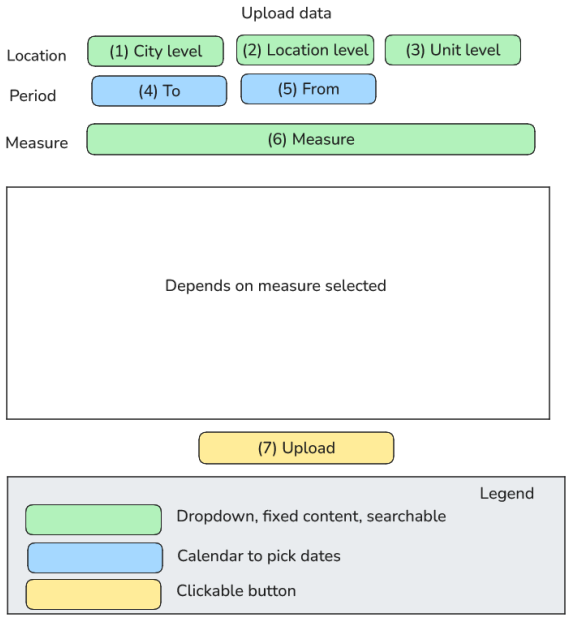


Figure 1 Overview of the input page.

The numbers in the figure are used for referencing. Details about the requirements for the different items can be found in Section 0. The measures can be of five different types as described in Section 3. The rectangle around the specific part should not be a part of the actual design, it is only to indicate on the picture the separation between the generic and the specific type.

4.1 Specific parts

The next figures shows how the specific parts should look like for all types and subtypes. The rectangles which may appear within the specific part rectangles can be a part of the design if deemed visually appropriate.

4.1.1 Type A

The visualization for measure type A is shown in Figure 2. For sub-type A-2, the “unit” part is removed.

4.1.2 Type B

The visualization for measure type B is shown in Figure 3. For sub-type B-2, the “unit” part is removed.

4.1.3 Type C

The visualization for measure type C is shown in Figure 5. Note: I realized that for e.g. MC9-2, there is a need to have two fields: one for the description of the item (text) and one for its cost (numerical).

4.1.4 Type D

The visualization for measure type D is shown in Figure 4.

4.1.5 Type E

The visualization for measure type E is shown in Figure 6.

Figure 2 Overview of the input for type A.

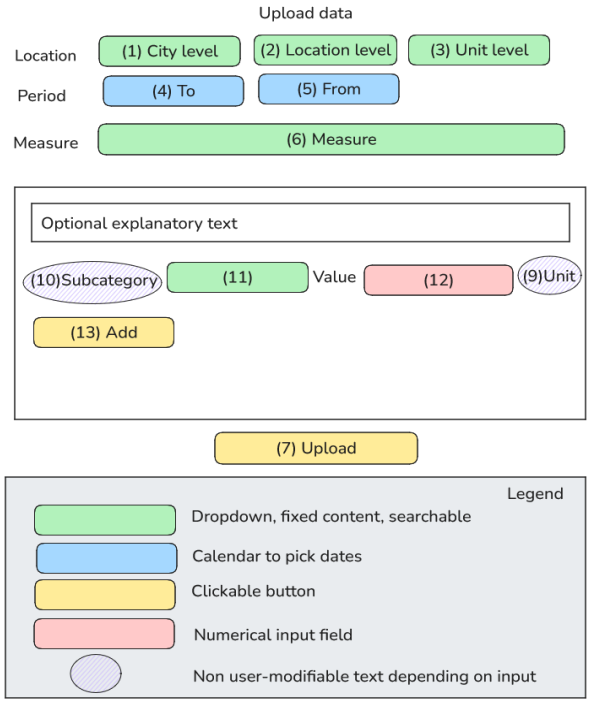
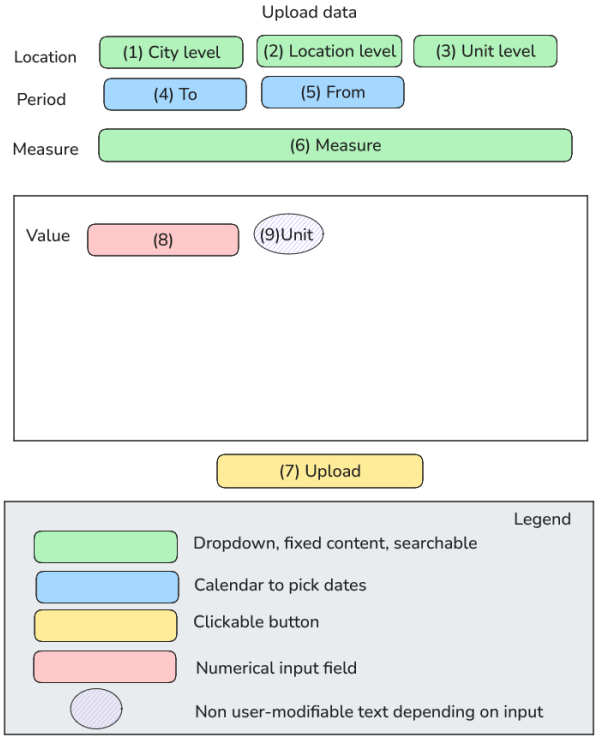


Figure 3 Overview of the input for type B.


Upload data
Location
(1) City level
(2) Location level
(3) Unit level
Period
(4) To
(5) From
Measure
(6) Measure
Value
(8)
(9)Unit
(7) Upload
Legend
Dropdown, fixed content, searchable
Calendar to pick dates
Clickable button
Numerical input field
Non user-modifiable text depending on input

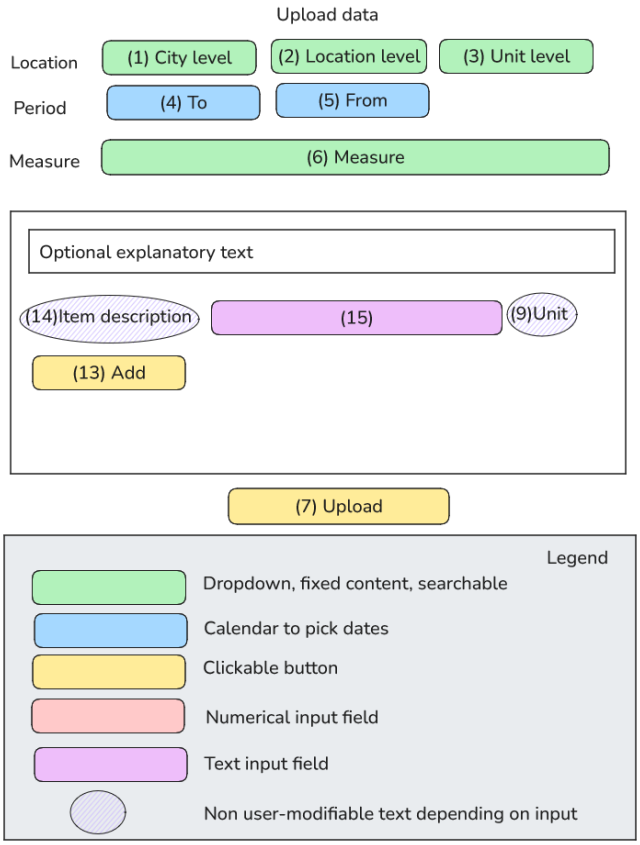


Figure 5 Overview of the input for type C.

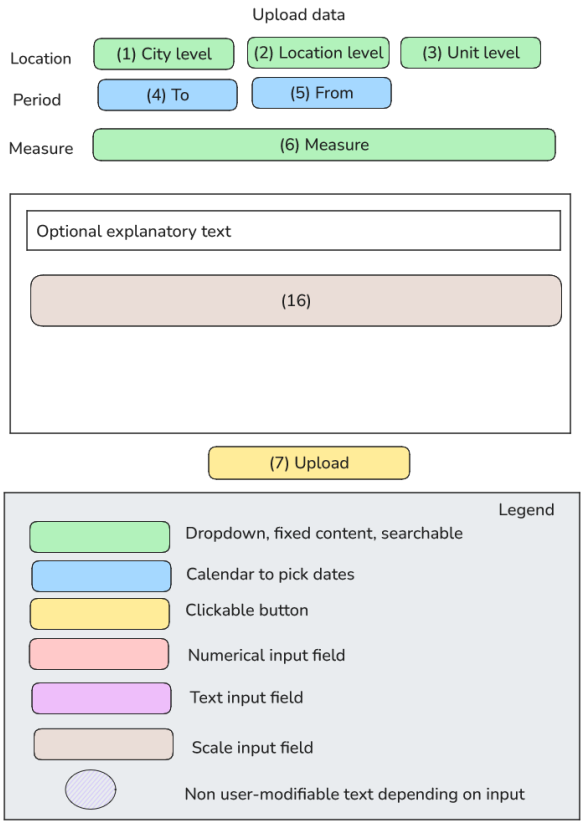


Figure 4 Overview of the input for type D.

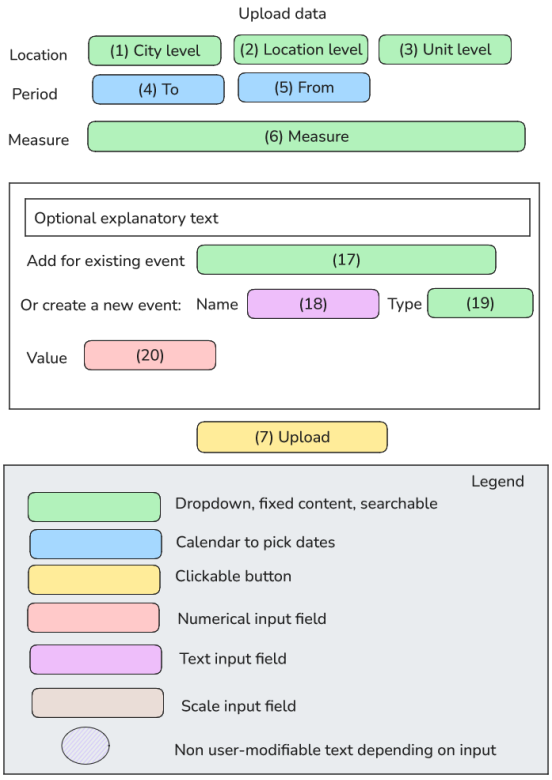


Figure 6 Overview of the input for type E.

5 Requirements

This section details how the different items shown in Section 4 should work.

5.1 Generic part

The authorized values are found in Table 2 and Table 3. The supported column can be used to mark the current status of the development. The requirements in italic are stretch requirements which are not necessary for the first version of the feature.

Table 1 Requirements for the generic part

ID	Requirements	Supported
(1)	Dropdown list with values from authorized values	☐
	Searchable	☐
	Required field	☐
	Default value is based on the user profile	☐
(2)	Dropdown list with values from authorized values	☐
	Authorized values depend on the choice of (1)	☐
	Searchable	☐
	Required field	☐
	Can only be selected after a choice is made for (1)	☐
(3)	Dropdown list with values from authorized values	☐

	Authorized values depend on the choice of (2)	☐
	The list shows the ID and the name of the measure	☐
	Searchable	☐
	Optional field	☐
	Can only be selected after a choice is made for (1) and (2)	☐
(4)	Calendar to pick dates	☐
	Cannot pick a date in the future	☐
	Required field	☐
(5)	Calendar to pick dates	☐
	Cannot pick a date in the future	☐
	Cannot pick a date inferior to (4), equal is ok	☐
	Required field	☐
(6)	Dropdown list with values from authorized values	☐
	Searchable	☐
	Required field	☐
(7)	Clickable button	☐
	Insert the data into the database	☐
	Triggers a confirmation notification that the data has been upload or an error message if it is not the case	☐

Table 2 Authorized values for (1), (2), and (3).

(1) City level	(2) Location level	(3) Unit level
Bucharest	Holding 1	
	Holding 2	
	Holding 3	
Drama	Location A	Plot 1
		Plot 2
	Location B	Plot 1
		Plot 2
Strovolos	Municipality	
	Second garden	
Halfhill[1]	West	Plot 1
		Plot 2
	East	Plot 1
		Plot 2

Table 3 Authorized values for (6).

Type	ID	Measure name
A	MC6	Irrigation water use
A-1	MCC5-1	Price of chemical fertilizer/pesticide used
A-2	MC13	Gardens/holdings in use

[1] Fake city for testing purposes

B	MC1	Production per product
B-2	MC12-1	Total population per underrepresented group
C	MCC12	Tasks performed by persons working in the gardens
C-1	MC9-2	Purchase-costs (and description of what is purchased)
D	MCC15	Self-reported health
E	MC22	Participants in an event/workshop (per event)

5.2 Specific part

One measure of each type and subtype is selected to be implemented as a part of this feature. The idea is that the other measures from the same type/subtype should be straightforward to implement based on this first measure. The list of all the selected measures is shown in Table 3. There is no id for the optional explanatory text (this is a miss) but it should work in a similar way to the "Unit" text, i.e. changing to a fixed value based on the selected measure.

5.2.1 Type A

Table 4 Requirements for the specific part - type A.

ID	Requirements	Supported
(8)	Numerical input field	☐
	In the code: Possible to choose how many decimals are allowed (default 2)	☐
	Decimal separator is safely handled	☐
	Can type in or select (up/down)	☐
	Required field	☐
(9)	Text changes based on measure selected (and location for A-1 measures)	☐
	Required to be visible except for A-2 measures (then empty)	☐

5.2.2 Type B

Table 5 Requirements for the specific part - type B.

ID	Requirements	Supported
(10)	Text describing what the subcategory is. Fixed based on the selected measure	☐
(11)	Dropdown list with values from authorized values	☐
	Searchable	☐
	Required field	☐
(12)	Numerical input field	☐
	In the code: Possible to choose how many decimals are allowed (default 2)	☐
	Decimal separator is safely handled	☐
	Can type in or select (up/down)	☐

	Required field	☐
(13)	Clickable button to insert a new line as the above one	☐
	If a new line is added but nothing is inserted in it, ignore it for the data upload	☐
(9)	Text changes based on measure selected (and location for A-1 measures)	☐
	Required to be visible except for A-2 measures (then empty)	☐

5.2.3 Type C

Table 6 Requirements for the specific part - type C.

ID	Requirements	Supported
(14)	Text describing what the item is. Fixed based on the selected measure	☐
(15)	Text input field	☐
	Max number of characters is 200	☐
	Supports Greek and special characters	☐
	Required field	☐
(13)	Clickable button to insert a new line as the above one	☐
	If a new line is added but nothing is inserted in it, ignore it for the data upload	☐
(9)	Text changes based on measure selected (and location for A-1 measures)	☐
	Required to be visible except for A-2 measures (then empty)	☐

Note: All the text fields should be able to support Greek and special characters to enable local languages to be used.

5.2.4 Type D

Table 7 Requirements for the specific part - type D.

ID	Requirements	Supported
(16)	Scale input. The scale is depending on the selected measure.	☐
	Textual explanation accompanying the steps of the scale	☐
	Required field	☐

5.2.5 Type E

Table 8 Requirements for the specific part - type E.

ID	Requirements	Supported
(17)	Dropdown list with values from authorized values (existing events)	☐
	Searchable	☐
(18)	Text input field	☐
	Max number of characters is 200	☐
	Supports Greek and special characters	☐

(19)	Dropdown list with values from authorized values (existing events)	☐
	Searchable	☐
	Either (17) or (18) and (19) is required	☐
(20)	Numerical input field	☐
	No decimals are allowed	☐
	Decimal separator is safely handled	☐
	Can type in or select (up/down)	☐
	Required field	☐

6 Appendix - Data collection list

Note: this is the current working version to give an idea about the complete list of measures.

The list is split in four: the common measures (first table), the specific ones, only relevant to some LLs (second table), the control measures (third table), and the reference measures (fourth table).

ID	Measure	Unit	Measure type
MC1	Production per product type (and corresponding number of plants)	Kilogram	B
MC1-1	Production per native species product type	Kilogram	B
MC1-2	Production per native species seedlings	Kilogram	B
MC2	Quantity sold per product (and location of sale)	Kilogram	B
MC3	Location of sale	Text	B
MC4	Price per product	€/RON per kg	B-1
MC5-1	Quantity of chemical fertilizer/pesticide used (per fertilizer type)	Kilogram	B
MC6	Irrigation water use	Liter	A
MC7	Followers on social media (per media)	Number	A-2
MC8	Visitors on website	Number	A-2
MC9-1	Workforce-costs	€/RON	A-1
MC9-2	Purchase-costs and description of what is purchased)	€/RON	B-1
MC9-3	Other costs	€/RON	A-1
MC10-1	Feed4Food Funding	€/RON	A-1
MC10-2	Other funding (and for what)	€/RON	B-1
MC11-1	Production sales	€/RON	A-1
MC11-2	Sales in restaurant	€/RON	A-1
MC11-3	Revenues from events/workshops/workshop	€/RON	A-1
MC11-4	Other revenues from off-farm activities	€/RON	A-1
MC12	Total population	Number	A-2

MC12-1	Total population per underrepresented group	Number	A-2
MC12-2	Total local population	Number	A-2
MC13	Gardens/holdings in use	Number	A-2
MC14	Persons working in the gardens/holdings	Number	A-2
MC14-1	Persons from an underrepresented/vulnerable group working the gardens (per group)	Number	A-2
MC15	Persons employed to work in the gardens	Number	A-2
MC15-1	Persons from an underrepresented/vulnerable group employed to work in the gardens (per group)	Number	A-2
MC16-A	Distance from house	Kilometre	A
MC16-B	Distance from house	Minutes	A
MC17	Means of transportation from house	List	C
MC18-A	Surface actively cultivated per product	Square meters	A
MC18-A-1	Native species surface	Square meters	A
MC18-B	Plants(=pied) actively cultivated per product	Number	A-2
MC18-B-1	Native species plants	Number	A-2
MC19	Articles in newspapers	Number	A-2
MC19-1	Articles in newspapers – Native species	Number	A-2
MC20	Revenue per event	€/RON	E
MC21	Workshop/Event evaluation by the participants	Scale	E
MC21-2	Training workshop evaluation by the participants	Scale	E
MC21-2-1	Training workshop evaluation by the participants from an underrepresented group	Scale	E
MC22	Participants in an event/workshop	Number	E
MC22-1	Participants from an underrepresented group in an event/workshop	Number	E

MC22-2	Participants in a training workshop	Number	E
MC22-2-1	Participants from an underrepresented group in a training workshop	Number	E
MC22-3	Participants in a native species event	Number	E
MC22-3-1	Participants from an underrepresented group in a native species event	Number	E
MC23	Participants passing the test at the end of training workshop	Number	E
MC23-1	Participants (from an underrepresented group) passing the test at the end of training workshop	Number	E
MC24	Views/impressions to an event/post (7 days after post)	Number	A-2
MC24-1	Views/impressions to an event/post (7 days after post) – native species	Number	A-2

ID	Measure	Unit	Measure type
MS1	Rainwater harvested	Liter	A
MS2	Water retained in soil (WHC, soil moisture)	Liter	A
MS3	Accessibility self-evaluation	Scale	D
MS4	Transportation self-evaluation	Scale	D
MS5	Pesticide level in soil	mg/kg	A
MS6	Pesticide level in water	ng/L	A
MS7	Number of unemployed starting as LL participants	Number	A-2
MS7-1	Number of unemployed starting as LL participants belonging to a vulnerable group	Number	A-2
MS8	Number of previously unemployed getting inserted in	Number	A-2

	the job market		
MS8-1	Number of previously unemployed getting inserted in the job market belonging to a vulnerable group	Number	A-2
MS9	Unemployed from a target group retrained in agriculture	Number	A-2
MS10	Unemployed retrained in agriculture who got a job after the training	Number	A-2
MS10-2	Unemployed from a target group retrained in agriculture who got a job after the training	Number	A-2
MS11	Trainees able to maintain an urban garden	Number	A-2
MS12	Trainees maintaining an urban garden	Number	A-2
MS12-1	Trainees cultivating native species	Number	A-2
MS12-2	Trainees (from an underrepresented group) maintaining an urban garden	Number	A-2
MS12-1-2	Trainees (from an underrepresented group) cultivating native species	Number	A-2
MS13-A	Surface of cultivated area treated with chemical fertilizer/pesticides	Square meters	A
MS13-B	Nb of plants of cultivated area treated with chemical fertilizer/pesticides	Number	A-2
MS14	C in soil	g/m2	A
MS15	N in soil	Mg/kg	A
MS16	Soil PH	Number	A-2
MS17	Flyers disseminated	Number	A-2
MS18	Funds for accessibility	€/RON	A-1
MS19	Funds for transportation	€/RON	A-1
MS20	Number of transplanted seedlings	Number	A-2
MS20-1	Number of alive transplanted seedlings	Number	A-2

MS21	Organic material biodegraded in the soil	Gram	A
MS22	Persons encouraged to come to an event/workshop	Number	E

ID	Measure	Unit	Measure type
MCC1	Temperature	°C	A
MCC2	Wind	Km/h	A
MCC3	Air humidity	Percentage	A
MCC4	Quantity of organic fertilizer used (per fertilizer type)	Kilogram	B
MCC5-1	Price of chemical fertilizer/pesticide used (per fertilizer type)	€/RON per kg	B-1
MCC5-2	Price of organic fertilizer used (per fertilizer type)	€/RON per kg	B-1
MCC6	Pluviometry	Millimeter	A
MCC7	Sunlight	Hour	A
MC8	Waste produced	Kilogram	A
MCC9	Waste reused	Kilogram	A
MCC10	Profits or losses made overall	€/RON	A-1
MCC11	Scientific publications	Number	A
MCC12	Tasks performed by persons working in the gardens	List	C
MCC13	Energy use from external sources	kWh	A
MCC14	Energy use from internal source	kWh	A
MCC15	Self-reported health	Scale	D
MCC16	Self-reported quality of life	Scale	D
MCC17	Assessment of whether the needs are met	Scale	D
MCC18	Tools/Machinery used in the garden	List	C

ID	Measure	Unit	Measure type
MR1	Vegetable need per day for a healthy life	Gram	A
MR2	Printed/sold exemplar of the newspaper (per newspaper)	Number	A
MR3	Characteristics of product (per product) – native species and	List	B

	nutrition profile		