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Inclusive Co-Evaluation Tool for Citizen Science projects

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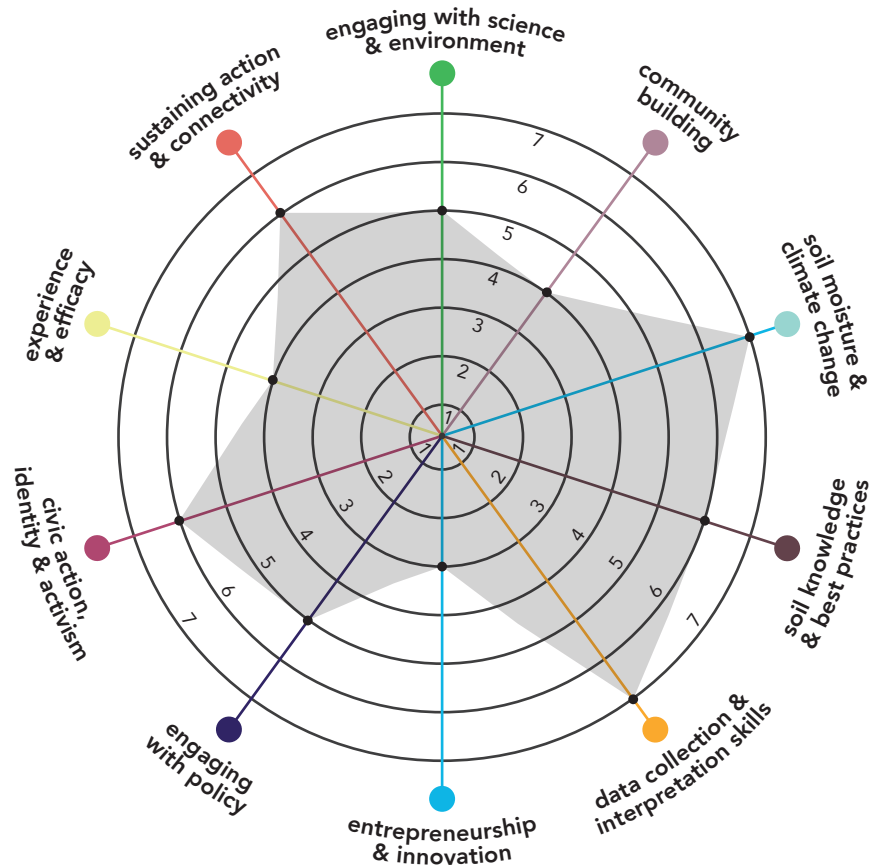
GROW EVALUATION TOOL

The GROW Evaluation tool aims to capture on how participating in this project has changed your knowledge, practices and interest about soil, science, and environment. This framework focuses on ten indicators of the impact resulting from this project. It provides prompting questions for discussions, allowing you to consider these indicators in a methodical way.

You will need to do the following:

- Record your GROW Place and note if you are completing the tool as an individual participant or a community champion representing a group or a community.
- Answer each question by giving a rating on a scale from 1 to 7. Use the space provided below the questions for your comments.
- When you have answered all the questions, plot each rating on the diagram on the last page.

Here is an example of the completed diagram:



GROW PLACE:



GROW Observatory has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 690199.

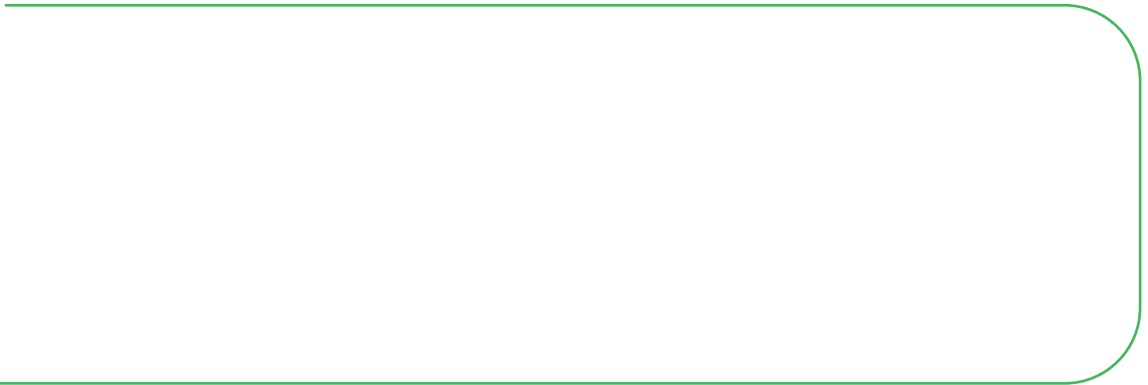
Engaging with Science & Environment

Reflecting on your participation in GROW Observatory, ask yourself:

- *Has participating in GROW Observatory motivated you to learn and use science?*
 - *To what extent have you become interested in and excited about facts, explanations and models related to science and environment?*

Next, rate the project on a scale from 1 to 7, where 1 means the project has created the lowest impact and 7 means the highest impact. Record your rating on the compass diagram.

Use the space below to note the reasons for your rating.




Community Building

Reflecting on your participation in GROW Observatory, ask yourself:

- *How has participating in GROW Observatory enhanced your community?*
- *To what extent has GROW strengthen the communication and networks in your community?*

Next, rate the project on a scale from 1 to 7, where 1 means the project has created the lowest impact and 7 means the highest impact. Record your rating on the compass diagram.

Use the space below to note the reasons for your rating.



Soil Moisture & Climate Change

Reflecting on your participation in GROW Observatory, ask yourself:

- *How has participating in GROW Observatory contributed to improving your understanding soil moisture and climate change?*

Next, rate the project on a scale from 1 to 7, where 1 means the project has created the lowest impact and 7 means the highest impact. Record your rating on the compass diagram. Use the space below to note the reasons for your rating.

Soil Knowledge & Best Practices

Reflecting on your participation in GROW Observatory, ask yourself:

- *How has participating in GROW Observatory improved your growing practices?*
- *Have you learned more about ecological growing practices?*
(eg. regenerative agriculture, agroecology, permaculture)

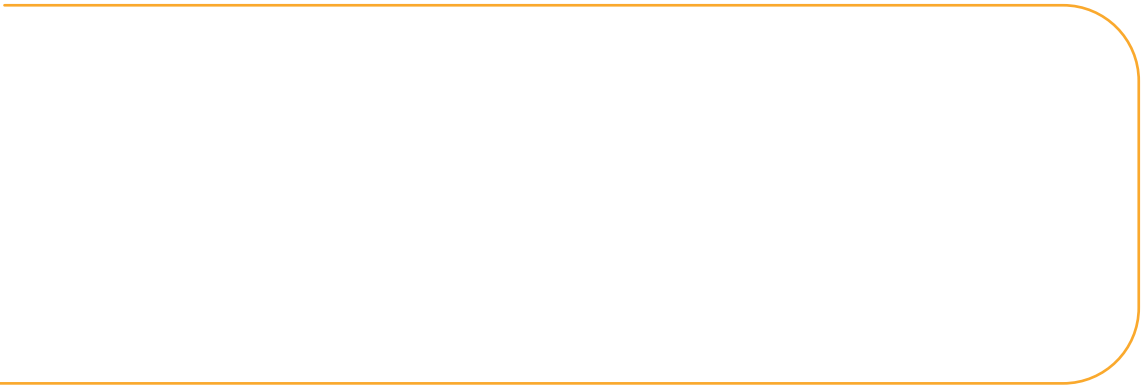
Next, rate the project on a scale from 1 to 7, where 1 means the project has created the lowest impact and 7 means the highest impact. Record your rating on the compass diagram. Use the space below to note the reasons for your rating.

Data Collection & Interpretation Skills

Reflecting on your participation in GROW Observatory, ask yourself:

- *How have your data collection and interpretation skills improved as a result of participating in GROW Observatory?*

Next, rate the project on a scale from 1 to 7, where 1 means the project has created the lowest impact and 7 means the highest impact. Record your rating on the compass diagram. Use the space below to note the reasons for your rating.

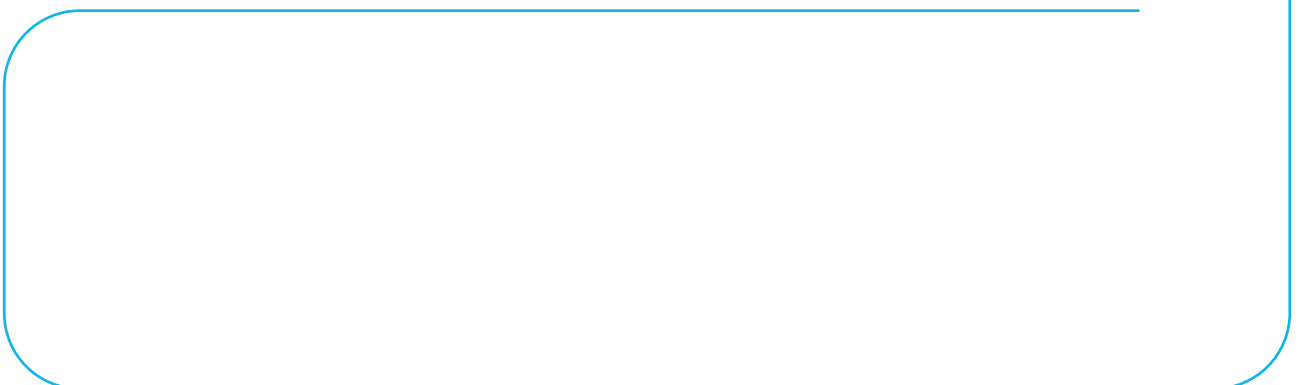


Entrepreneurship & Innovation

Reflecting on your participation in GROW Observatory, ask yourself:

- *To what extent has participating in GROW Observatory fostered innovative and entrepreneurial approaches?*
- *Have you identified any new areas where the sensor data can be used innovatively?*

Next, rate the project on a scale from 1 to 7, where 1 means the project has created the lowest impact and 7 means the highest impact. Record your rating on the compass diagram. Use the space below to note the reasons for your rating.



Engaging with Policy

Reflecting on your participation in GROW Observatory, ask yourself:

- *Have you had any interactions with policy makers? eg. visits from policy makers, writing a letter to your local council.*
- *Have you identified local policy problems the sensor data can help solve?*

Next, rate the project on a scale from 1 to 7, where 1 means the project has created the lowest impact and 7 means the highest impact. Record your rating on the compass diagram. Use the space below to note the reasons for your rating.

Civic Action, Identity, & Activism

Reflecting on your participation in GROW Observatory, ask yourself:

- *To what extent has participating in GROW Observatory contributed to your identity as someone who knows about, uses, and sometimes contributes to science?*
- *Do you consider yourself as an active citizen?*

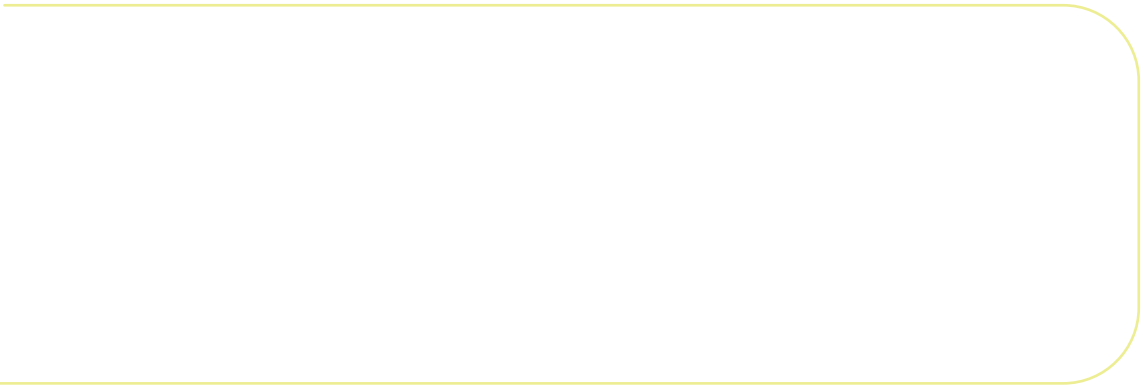
Next, rate the project on a scale from 1 to 7, where 1 means the project has created the lowest impact and 7 means the highest impact. Record your rating on the compass diagram. Use the space below to note the reasons for your rating.

Experience & Efficacy

Reflecting on your participation in GROW Observatory, ask yourself:

- *How has participating in GROW Observatory inspired and energised you?*
- *To what extent is the value created worth the time and effort you put into this project?*

Next, rate the project on a scale from 1 to 7, where 1 means the project has created the lowest impact and 7 means the highest impact. Record your rating on the compass diagram. Use the space below to note the reasons for your rating.

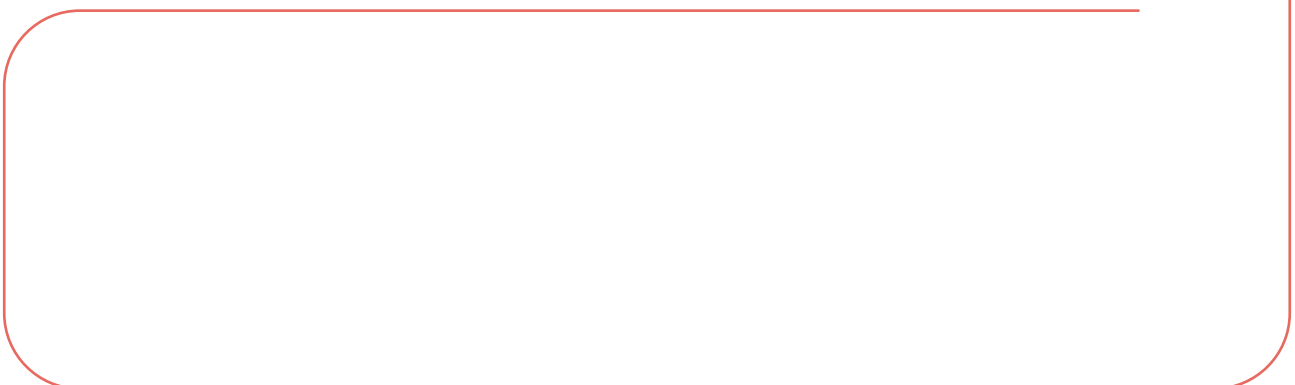


Sustaining Action & Connectivity

Reflecting on your participation in GROW Observatory, ask yourself:

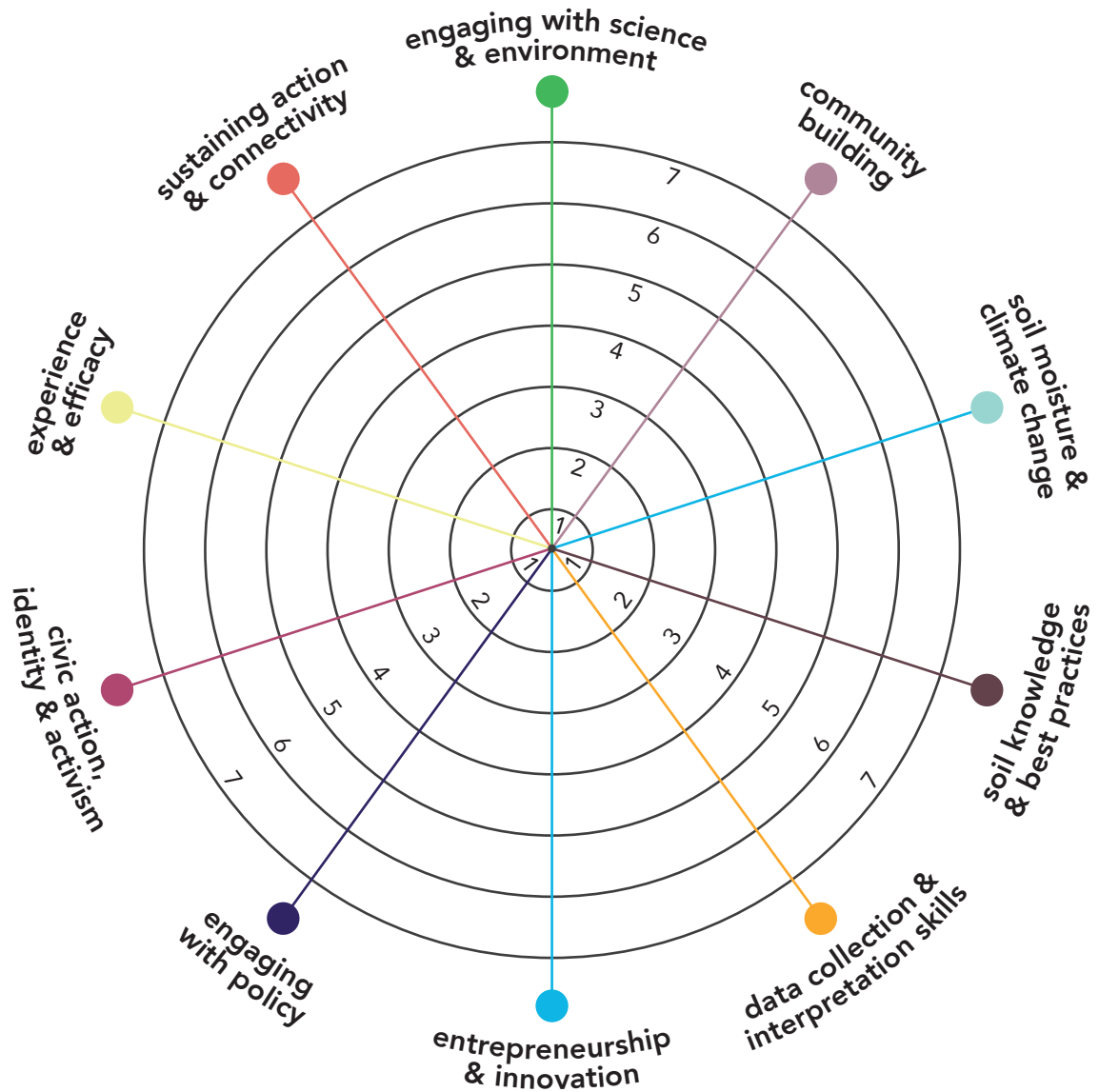
- *How likely are you going to carry on recording soil moisture and associated data after the project ends?*
- *How likely are you going to stay in contact with your GROW community?*

Next, rate the project on a scale from 1 to 7, where 1 means the project has created the lowest impact and 7 means the highest impact. Record your rating on the compass diagram. Use the space below to note the reasons for your rating.





When you have answered all the questions, plot each rating on the diagram below.



GROW PLACE: