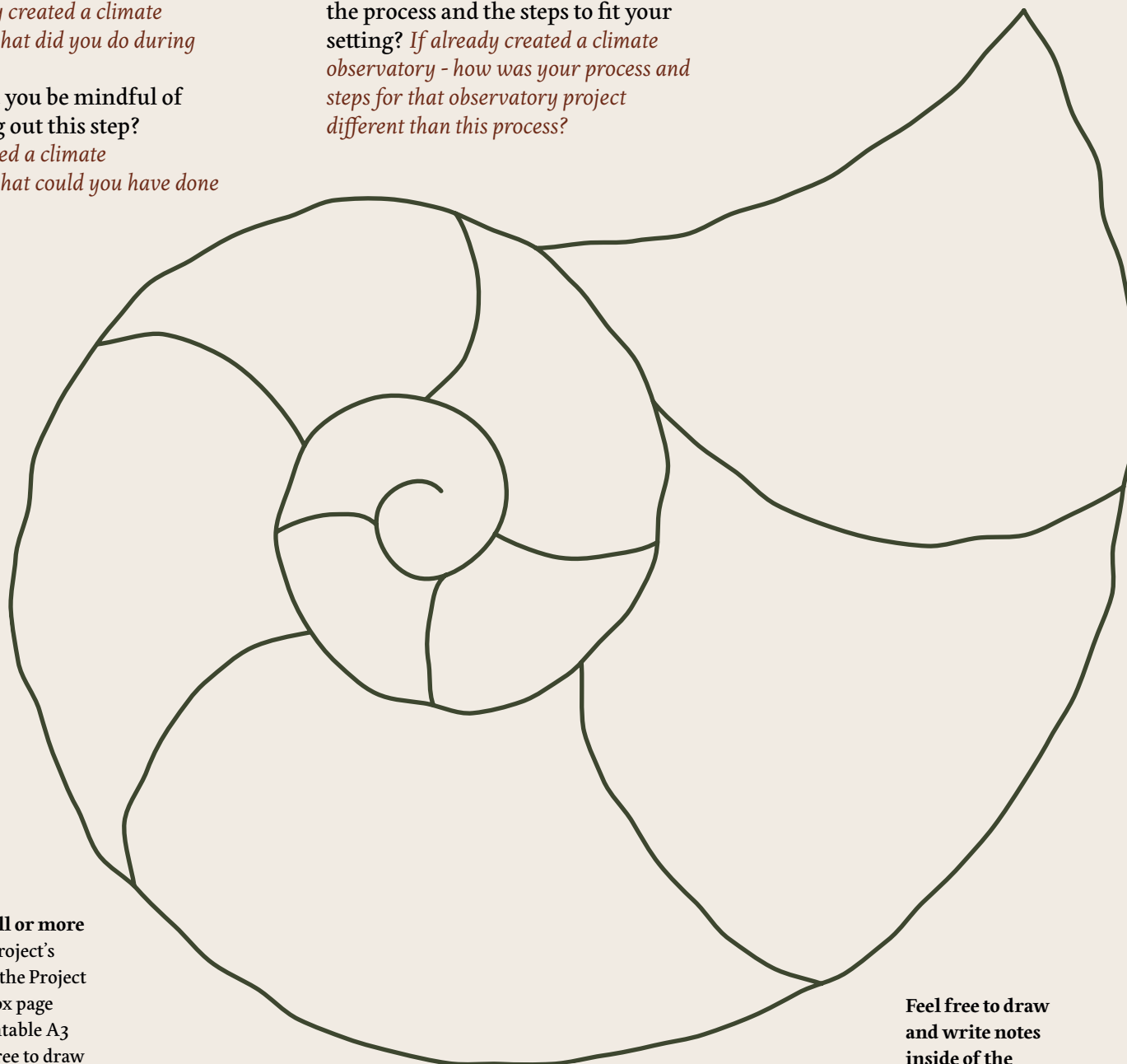


Reflecting on a step in the process

- What do you plan to do during this step? *If already created a climate observatory - what did you do during this step?*
- What should you be mindful of when carrying out this step? *If already created a climate observatory - what could you have done differently?*

Reflecting on the overall process

- If wanted, how would you change the process and the steps to fit your setting? *If already created a climate observatory - how was your process and steps for that observatory project different than this process?*



Feel free to draw and write notes inside of the shell!

Design Process Toolbox

A climate observatory enables action and adaptation to climate change by understanding local impacts.

Creating a climate observatory is a step-by-step process.

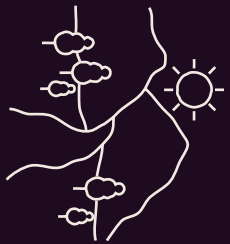
Regardless of the specific local climate changes you want to observe—whether it's the impact on a tree in your area, or the effects on seaweed or fish in nearby waters—**this toolbox offers guidance on how to plan and structure the process of establishing your observatory.**

The process outlined in this toolbox mirrors the one used in the Indigenous Climate Observatories project. **You can adapt this process to fit your own needs when creating a climate observatory.**

If you already have a climate observatory, this toolbox can help you reflect on the process you used to establish it.

Need a bigger shell or more layers? Visit the project's webpage and then the Project Process and Toolbox page to download a printable A3 shell file—or feel free to draw your own!

The steps of the process



Observe your surroundings and **listen** to the messages the environment wants to convey.



Pay attention to what the environment reveals to you and build a connection.



Reflect on what you have focused on and the connection you have developed.



Respond to what the environment has communicated.



Share your understanding of the connection and the response.

Example:

"When you and your friends are taking your morning swim in the ocean, you notice that the seaweed is growing differently than before."

Example:

"You decide to observe this change in seaweed every day on your morning swim by maybe taking notes, photos or other ways you want to observe the change."

Example:

"You gather all your notes, images and other ways of observing the change and reflect on what this means. What patterns and changes have you found? What do they mean?"

Example:

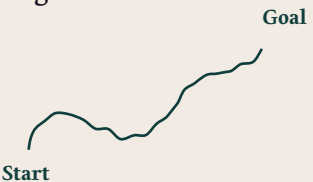
"Through your observations you notice that there are some changes that can be made regarding how we treat the seaweed. You start planning for how to make those changes."

Example:

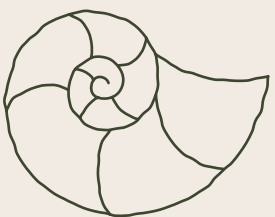
"You try to find ways to communicate this change to others, by reaching out to others who are interested, or local groups and organisations."

What does a process mean in this toolbox?

A process in this toolbox means a plan or map for what steps you will take to create your climate observatory. Many of the things we do in our life could be described as a process, maybe cooking or building something.



In the **Indigenous Climate Observatories** project, the process is visualized as a spiral shell. The core of the shell represents the starting point, while each added layer symbolizes the subsequent steps in the process. As you progress, each new layer connects previous steps to the next, allowing the shell to grow continuously.



Important to note is that the steps that were used for the spiral shell process were **not done in a specific order**. For all the project places, the order of the steps differed depending on what made sense for that specific process. The same goes for your process. Also, if the shell's layers are not enough, draw more!

How to use the toolbox

What you need:

To get started, all you need is this **manual** and the **shell and steps**, either printed or drawn by yourself. You can use the shell provided on the **back** of this manual, or print a larger version (or draw one). Be sure to have **multiple copies** of each step for your use.

Getting started:

1. Begin by reading about what a process means in this toolbox and about the spiral shell process.
- *Can you think of any other process you have followed?*
2. Continue by reading about the steps in the process and examples of what the steps mean.
- *How can you relate these steps to things you might do in your process?*
3. Gather all the printed or drawn steps and the shell in front of you.
4. If you have an idea of what step you will start with, place it on the layer closest to the core (*If you have already created an observatory, choose the step most similar to the one you used*).
5. Use the reflection-points on the back of the manual to discuss.
6. Continue with placing out the next step and reflect again.

About the Indigenous Climate Observatories Project

Indigenous communities are amongst the most vulnerable to the impacts of climate change and biodiversity loss, yet their ways of knowing are often excluded from climate research and policymaking. This happens even though they hold local knowledge relevant to understanding change from a local perspective.

The project Indigenous Climate Observatories - Local Knowledge for Local Action was done in Eswatini, Lesotho and Malaysia. The project focused on the question: How can we learn together to understand local climate change better?

The focus of the project was different for all the project places. In Eswatini the focus was on biodiversity and in Lesotho weather patterns. However, for all the places the project followed the same process.

The steps in the process to cut out:

These pieces can be cut out and placed on the spiral shell found on the back of the toolbox manual.

There are multiple pieces of each step, if you have used the same step multiple times in your process.

For a larger shell and pieces, download the A3-size shell file from the webpage under on the Project Process and Toolbox page. Otherwise, feel free to draw any additional steps you need.

