

## Tethys Consulting

<u>Team Member Name</u>	<u>Year</u>	<u>Major</u>
Jack Brixius	2025	International Studies
Lauren Colaco	2022	Biology, Psychology
Danielle Ojeda	2024	Economics, Political Science, and Business law
Rohan Tharaney	2022	Business Technology, Marketing

**Advisor(s):** Dr. Joan Martínez Evora

**Topic:** One Drop at a Time

**Audience:** Nestlé Board of Directors

### Sustainable Development Goal

SDG #6: Ensure availability and sustainable management of water and sanitation for all.

Target #6.4: By 2030, substantially increase water-use efficiency across all sectors and ensure sustainable withdrawals and supply of freshwater to address water scarcity and substantially reduce the number of people suffering from water scarcity.

### Executive Summary

Tethys Consulting is proposing a sustainable and economically viable plan for water sourcing to Nestlé's board of directors. Water is currently taken at a rate that is unsustainable. The UN Secretary General estimates that there will be a shortage of freshwater by the year 2050 unless serious preventive measures are taken. Nestlé's water collection specifically poses ethical concerns, depriving communities of clean water. This inspires legal backlash from the territories in which Nestlé gathers water. From a sustainability standpoint, current rates of water depletion led to the conclusion that there simply isn't enough water to harvest long term.

Tethys Consulting advocates for a new method of water collection and purification: the Infinity Hydropanel. Our sustainability plan involves renewable water technology that utilizes solar energy and converts it to electricity, which is then used for electrochemically mediated purification to desalinate ocean water. The Hydropanel mitigates sustainability concerns by collecting water from an inexhaustible source. Purified water produced by the solar panel has the potential to be distributed at an inexpensive rate. Overall, our team promotes a more sustainable industry-wide future with augmented agricultural productivity, an ethical distribution of water, and more affordable and lawful business practices.