

## **The World Climate Scouts and the AR Accelerator**

(Including Organizational Responses to Climate Change)

**'Augmented reality** (AR) involves overlaying visual, auditory, or other sensory information onto the real world to enhance one's experience. Unlike virtual reality, which creates its own cyber environment, augmented reality adds to the existing world as it is.' (investopedia.com)

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The World Climate Scouts are academics who are often VR and data science majors. Student groups run simulations with AR goggles and powerful computers in AR Labs at their Universities. Students are working on their senior thesis projects (see script below). The World Climate Scouts are collecting airborne and soil data and exposing polluters; acting locally and serving globally. The goal for the Scouts and their collaborators is to permanently lock up 15 billion metric tons of CO2 equivalents by 2025.

Broadly speaking, a script for an AR, ChatGPT- supported thesis could look like this:

**AR Base** is a 12 min. video showing current conditions – namely polluting factories in the USA

**AR Layer 2** illustrates changes to local environments with less CO2 pollution using air monitoring data provided by ChatGPT

**AR Layer 3** depicts a “Return to Nature” video where all CO2 polluting factories are gone and sustainability dominates life on Earth

**The Final Project** is a combination of narrative and edits from Base, Layer 2, and Layer 3, resolved as a .MP3 file. AR-supported research could be about learning from the juxtaposition of project sensitive data.

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### **Climate Change AR Accelerator (CCAA)**

The CCAA is a film set, ChatGPT, and an AR virtual machine.

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Questions (prompts) poised to ChatGPT might include:

What do future models of CO2 levels depict?

How is CCAA a promotional tool?

How to expand the use of alternative energy sources?

Is there data comparing sea water rise and melting glaciers?

Where are island nations disappearing? What solutions are possible?

What are sustainable practices at ChatGPT and CCAA?

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## **Organizational Responses to Climate Change**

### **\* Rainforest Trust**

The world lost over 27.4 million acres of forest in tropical regions in 2021- an area 1.3 times the size of Ireland. That's 52 acres per minute. The rampant destruction of primary rainforests in particular totaled over 9.2 million acres, dumping 2.5 gigatons of carbon dioxide into our atmosphere. That's equivalent to India's annual emissions. Our goal is to permanently lock up 15 billion metric tons of CO2 equivalents by 2025 by expanding

or establishing new protection for vulnerable rainforests, peat swamps and mangroves across the tropics.

<https://www.rainforesttrust.org/earth-day-2023>

\* **NASA** is an expert in climate and Earth science. While its role is not to set climate policy or prescribe particular responses or solutions to climate change, its job does include providing the scientific data needed to understand climate change. NASA then makes this information available to the global community – the public, policy and decision-makers and scientific and planning agencies around the world. With that said, NASA takes sustainability very seriously. NASA's sustainability policy is to execute its mission as efficiently as possible. In doing so, we continually improve our space and ground operations. Sustainability involves acting now to protect the environment for both current and future living conditions. In implementing sustainability practices, NASA supports its missions by reducing risks to the environment and our communities.

<https://climate.nasa.gov/solutions/resources/>

### \* **Girl Scout Climate Challenge**

Connect with your community to spread awareness about climate change. Made possible by Johnson & Johnson Foundation, the Girl Scout Climate Challenge invited both Girl Scouts and non-Girl Scouts to learn about climate science, connect with their communities, and share hope to create change. The Girl Scout Climate Challenge ran through November 30, 2022. <https://www.girlscouts.org/en/activities-for-girls/for-every-girl/girl-scout-climate-challenge.html>

### \* **World Scouts continue climate action post-COP**

The mission of World Scouting's COP27 (The 2022 United Nations Climate Change Conference) delegation was to amplify the voices of 57 million Scouts worldwide in climate action and negotiations. Scouts have been caring for the environment for over a century. Outdoor skills and adventures are at the heart of Scouting and lead us to action, like reducing pollution, regenerating forests, and advocating for the planet at global conferences.

While we may be waiting for true climate action from COP leaders and negotiators, Scouts continue their work every day to build a better world. They are building on a century of action with a momentum that is only increasing day by day as the urgency of climate change becomes greater. More than ever, they are committed to greater sustainability, lower emissions, and the restoration of biodiversity loss. Scouts joined thousands of civil society organizations at COP27 to call on world leaders, climate negotiators, and business leaders to take urgent action on climate change. <https://www.scout.org/news/scouts-call-urgent-action-climate-change-cop27>

William George Paul

<https://www.planetshifter.com/>