

Visualizing Stages of the Earth's Water Cycle Using Virtual Reality

Samuel Wiggins¹, Guangyang Fang¹, Damian Figueroa¹, Scott D. Rudlosky²
(1)UMD/ESSIC/CISESS (2) NOAA/NESDIS/GEO

Objective

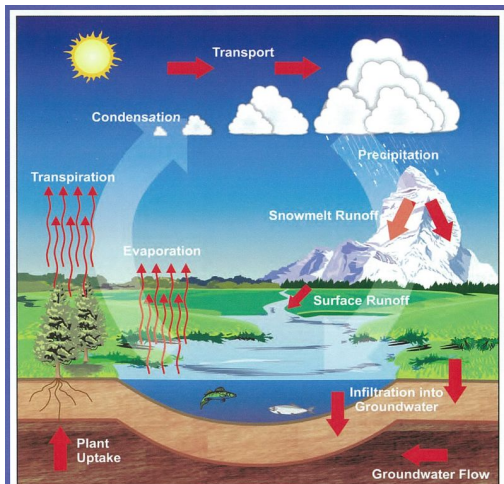
Build an interactive VR experience to educate the public about the water cycle.

Water Cycle

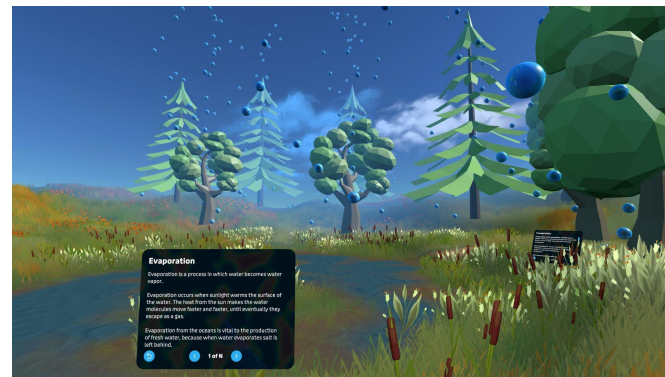
Evaporation, Transpiration, Condensation, Precipitation, Runoff, Infiltration, Collection.

Results

- VR application with detailed visuals for each process in the hydrological cycle.
- Reinforces knowledge through slide decks.
- Will be available on Quest Store soon.



The Earth's Water Cycle



Interface of the Water Cycle Module