



UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH, BOULDER CO

Using a network of ozone bioindicator gardens to engage communities on air quality and NASA's TEMPO mission

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An Ozone Bioindicator Garden
Credits: UCAR

Hosts and guests of Network of Ozone Bioindicator Gardens in areas with K-12 learners and the public affected by high levels of surface ozone pollution are trained to identify visible leaf damage and receive resources to train student citizen scientists to participate in such data collection efforts to support NASA's Tropospheric Emissions: Monitoring of Pollution (TEMPO) mission. Videos, and virtual workshops culminate in an in-person workshop to see first-hand visible ozone damage on each of the bioindicator species. A

garden toolkit of learning opportunities for grades 4-8 about air pollution, ways to address it, and NASA STEM careers supports education opportunities, festivals, and events.

List of Partners:

- Harvard Smithsonian Center for Astrophysics
- Langley Research Center
- U.S. Smithsonian Affiliates

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