

To apply for a GPE Fellow position: Submit an updated resume and cover letter to [gsasprofessionaldevelopment@yale.edu](mailto:gsasprofessionaldevelopment@yale.edu) with the subject header “[Name of Fellow position]” by June 25 at 11:59 p.m.

---

## **Geospatial Mapping for Environmental Sonification and Performance Fellowship—Center for Collaborative Arts and Media (CCAM)**

**Mentor:** Matthew Suttor, Program Manager and Senior Lecturer, Theater, Dance, and Performance Studies, Center for Collaborative Arts and Media (CCAM)

**Fellow Title:** Geospatial Mapping for Environmental Sonification and Performance Fellowship—Center for Collaborative Arts and Media (CCAM)

**Organization Name:** Center for Collaborative Arts and Media (CCAM)

**Organization Website:** <https://ccam.yale.edu>

### **Organization Description:**

The Yale Center for Collaborative Arts and Media (CCAM) is an interdisciplinary research center that ignites new directions in arts research and practice. We bring together students and faculty working in fields ranging from computer science and engineering to theater, design, and music. CCAM fosters creative collaboration and technological experimentation through sponsored courses, research fellowships, symposia, and public programming.

### **GPE Fellow Responsibilities:**

The GPE Fellow will support two Yale Planetary Solutions research projects and a new undergraduate course titled Nature, AI, and Performance. These initiatives involve developing a custom software platform that translates environmental data into interactive sound and performance experiences.

The Fellow's responsibilities will include:

1. Integrate GIS data into the platform, utilizing image maps, metadata, and publicly available datasets.
2. Assist with geospatial visualization of real-time data from Harvard Forest ecological monitoring stations.
3. Collaborate with a cross-disciplinary team of faculty and researchers from the Schools of Public Health and the Environment, the Departments of Ecology and Evolutionary Biology and Music, and our external partners at Harvard Forest

4. Contribute to the design of a user experience that connects scientific insight to public engagement through performance and sonification

**Desired GPE Fellow Qualifications:**

We are seeking a graduate student with demonstrated experience in GIS and geospatial data visualization. Familiarity with Python, JavaScript, or related platforms used in mapping or interactive design is highly desirable. Strong organizational and communication skills are essential, as the student will be working in a cross-disciplinary team. An interest in climate research, environmental communication, or creative data applications is a plus, but no prior background in the arts is required.

**GPE Fellow Learning Objectives:**

The Fellow will gain hands-on experience integrating real-world environmental data into creative and educational software applications. This work involves technical problem-solving, interdisciplinary collaboration, and research design. Through participation in this fellowship, the student will expand their capacity to communicate complex information visually and spatially, while contributing to meaningful, public-facing projects related to climate change. They will also gain exposure to faculty networks across the sciences and arts at Yale, and to collaborators at Harvard Forest, one of the most intensively studied ecosystems in North America.

**Number of Available Positions: 1**