

Citizen Science for Climate Change Displacement

AI for Climate Change Displacement (using various AI methods to predict, assess, visualize, and understand climate change displacement patterns).

1. Hosting Institution- York University, Canada

2. Faculty Supervisor

Name: Ali Asgary

Position/ Title: Associate Professor, Director, CIFAL York (also Principal Investigator / Academic Lead)

Faculty: Faculty of Liberal Arts & Professional Studies

Department: CIFAL York / ADERSIM

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Biography: I am a professor of Disaster and Emergency Management with research interests in a wide range of disaster and emergency-related areas, including: Climate Change, Forced Displacement, Post-Disaster Recovery and Reconstruction, Disaster and Emergency Simulation, Artificial-Intelligence and GeoAI, Citizen Science Lab for Disaster Risk Management, Drone and Virtual Reality Applications in DEM. I am currently the Executive Director of the Advanced Disaster, Emergency and Rapid Response Simulation and Director of CIFAL York (www.yorku.ca/cifal). Incoming students will be hosted by ADERSIM and CIFAL York.

3. Time Frames for Hosting Scholar

September 2026- December 2026

January 2027- April 2027

May 2027- August 2027

September 2027- December 2027

January 2028- March 2028

4. Research Project

Project Title: Citizen Science for Climate Change Displacement

Project Description: Citizen Science for Climate Change Displacement Climate Change Displacement Simulation (agent-based modeling, virtual reality simulation), AI for Climate Change Displacement (using various AI methods to predict, assess, visualize, and understand climate change displacement patterns), Managing Climate Change Displacement through serious games and tabletop exercises, Economic Impacts of Climate Change Displacement using various state of the art assessment methods such as Choice Experiment Method and Contingent Valuation methods.

Preferred Academic Background and Research Skills: Open to all backgrounds.

5. Leadership, Community Engagement and Cultural Activities (recommended)

Incoming student will be able to participate and benefit from a variety of community engagement programs through ADERSIM and CIFAL York.

6. Additional Resources

- Students with a strong interest in bridging the science of climate change and displacement to citizen through the use of various technologies and methodologies are encouraged to explore ongoing initiatives. More information can be found through the following webpages:
 - [ADERSIM \(Advanced Disaster, Emergency and Rapid Response Simulation\)](#)
 - [CIFAL York \(Centre International de Formation des Autorités et Leaders\)](#)