Climate Change Induced Citizen Science Lab

Focusing on creating a Climate Change Induced Citizen Science Lab that uses different technologies and methodologies.

1. Hosting Institution- York University, Canada

2. Faculty Supervisor

Name:	Adriano Solis
Position/ Title:	Professor of Operations & Supply Chain Management
Faculty:	Faculty of Liberal Arts & Professional Studies
Department:	School of Administrative Studies / ADERSIM / CIFAL York
Email:	Asolis@yorku.ca
Biography:	https://profiles.laps.yorku.ca/profiles/asolis/

Dr. Adriano O. Solis is Professor of Operations and Supply Chain Management in the Decision Sciences Area of the School of Administrative Studies (SAS). From November 2015 to June 2019, he served as the Director of SAS, which offers one of the largest business programs in Canada. Apart from the traditional business areas, SAS also includes the disaster and emergency management (DEM) area. Professor Solis has previously taught undergraduate and graduate courses in business, industrial engineering, and mathematics programs at the University of the Philippines, the University of Alabama, Oregon State University, Millikin University (Illinois), and the University of Texas at El Paso. He has been a Visiting Professor at the University of Calabria in Italy, and continues to supervise management engineering graduate students in their research work. His research interests include operations and supply chain management, inventory systems modeling, intermittent/lumpy demand forecasting, applied modeling and simulation (M&S), IT in operations and supply chain management, data analytics and pattern recognition. In the last nine

years, his work has also involved the application in DEM of, among others, M&S and data analytics/pattern recognition.

3. Time Frames for Hosting Scholar

January 2026- March 2026

September 2026- December 2026

4. Research Project

Project Title:	Climate Change Induced Citizen Science Lab
Project Description:	At ADERSIM and CIFAL York, primarily in partnership with Prof. Ali Asgary, we focus on creating a Climate Change Induced Citizen Science Lab that uses different technologies and methodologies, including Artificial Intelligence, Agent-Based and Discrete Event Simulations, Serious Games and Tabletop Exercises, Virtual Reality, and Geomatics and Remote Sensing, to better engage citizens in understanding the population displacement issues related to climate change. Incoming scholars will be involved in creating the lab, developing citizen science lab tools, and communicating with citizens.
Preferred Academic Background and Research Skills:	Management/industrial engineering, management science, applied mathematics

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

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