Reduction of global greenhouse gas emissions is crucial. Cities are often blamed for high levels of greenhouse gas emissions, and it is essential to understand and address the role and potential for cities to contribute to reducing greenhouse gas emissions.

Understanding and reducing greenhouse gases involves estimating, understanding, and reducing greenhouse gases at local scales. Global Change and Local Places examines the causes and effects of climate changes caused by human activities. The research team from the Association of American Geographers, known as GCLP, focuses on understanding and reducing greenhouse gases in local places, which is critical for global climate change mitigation.

In their study, the researchers from GCLP collected data from four research sites to assess the impact of greenhouse gas emissions on local places. They found that greenhouse gas emissions vary widely among the four research sites, as do the levels of greenhouse gases. The regional analysis of urban greenhouse emissions revealed that the Southern United States has higher greenhouse gas emissions compared to other regions. In general, my research addresses global change in local places—focusing on how local actions can contribute to global climate change mitigation.

To estimate greenhouse gas emissions, EPA has developed a Greenhouse Gas Emissions Calculator that helps individuals estimate their local greenhouse gas emissions. The calculator provides concrete terms for understanding personal contributions to global climate change. The research team from GCLP suggests that a sense of place is related to personal happiness and that acting locally can have a global impact. Understanding and acting upon global evidence is crucial in addressing climate change. In conclusion, the research team from GCLP emphasizes the importance of understanding and reducing greenhouse gases in local places to mitigate global climate change.