



RETIRED MEN'S ASSOCIATION OF GREENWICH, Inc. (RMA)
Invites you to its meeting **October 3, 2018** at 11: a.m.
First Presbyterian Church, Lafayette Place, Greenwich, CT.

Michael J. Puma, Ph.D.

“Impact of Climate Change on Global Food Security”

The world population is expected to grow to almost 10 billion by 2050. With 3.4 billion more mouths to feed, and the growing desire of the middle class for meat and dairy in developing countries, global demand for food could increase by between 60 and 100 percent. Agriculture around the world needs to step up production and increase yields. The impacts of climate change—higher temperatures, extreme weather, drought, increasing levels of carbon dioxide and sea level rise—threaten to decrease the quantity and jeopardize the quality of our food supplies. More research is required to fully understand the emerging and unknown threats to global food security.



Dr. Michael Puma’s research focuses on trying to understand potential disruptions, which could be related to extreme weather, the power grid, conflict, or other factors. “We want to understand the food system in greater depth so we can identify vulnerabilities and adjust the system to deal with those.” He and his colleagues are trying to build quantitative economic models to examine vulnerabilities in the food system under different scenarios; they will then use these models to explore how altering certain policies might increase resistance of the food system to disruptions. In a broader sense he will explain the importance of using a network perspective for understanding vulnerabilities in socioeconomic systems, using the global food system and migration as key examples.

Dr. Michael Puma is Director of the Center for Climate Systems Research (CCSR), which is part of Columbia University’s Earth Institute. He received a doctorate in civil and environmental engineering from Princeton University. He holds a Master of International Affairs in Environmental Policy Studies and a Bachelor of Science in Civil Environmental Engineering and Water Resources from Columbia University.

Next week, October 10th, Audrey Levitin, "The Innocence Project - 25 Years of Freeing the Innocent"

The Greenwich Retired Men’s Association offers a free program every Wednesday that is open to the public, both men and women; no reservations are required. Our social break starts at 10:40AM followed promptly by our speaker at 11:00AM. Programs are at the First Presbyterian Church, 1 West Putnam in Greenwich. For additional information see www.greenwichrma.org or contact info@greenwichrma.org