

WHO WE ARE

INSTITUTE ON CLIMATE AND PLANETS



The **Institute on Climate and Planets** (ICP) is a government, university and business collaboration to involve students and teachers in the nation's earth and environmental research endeavor.

It is a successful 10-year educational model developed at the NASA Goddard Institute for Space Studies (GISS) for involving New York City (NYC) minority students and their teachers in cutting-edge climate research. Our partners include the Earth Institute at Columbia University (EI), the government services contractor at GISS, currently SGT, Inc., and NYC teachers at 20 metropolitan area schools and colleges.



ICP recognizes that we live in an age dominated by science and technology and shaped by global relationships and socioeconomic disparities among racial and ethnic groups. Giving students a "fair start" to enter such a world is a major challenge of the 21st Century. For youth growing up in America's inner city this means creating better paths to prepare them for their roles as future citizens, workers and leaders.



Our **premise** is: the best way to help accelerate students' science learning, critical thinking and competitiveness is for them to have relationships with world-class institutions and participate in real-world problem solving through direct involvement in real research. This is **research education**, a term created by the Head of GISS, Dr. James Hansen.

The **goal** is to connect the science, technology and social science research frontier, where new knowledge is developed and applied, with pre-college and undergraduate education through Summer Research Institutes, research education curriculum and web site and research conferences.

By creating research roles for students and teachers, GISS scientists place them at the center of the nation's earth and climate change science enterprise to advance knowledge and reduce uncertainties about the world we live in. Their hands-on involvement in these interdisciplinary, global and technological problems uniquely prepares them with the intellectual perspective and marketable skills needed for 21st Century decision-making.

For more information:

Institute on Climate and Planets
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<http://icp.giss.nasa.gov>

Participating Schools in ICP's Network

A. Philip Randolph High School
Bayside High School
Bronx High School of Science
Central Park East High School
City College of New York
Columbia University
Ernie Davis Middle School
Frederick Douglass Academy
High School for Environmental Studies
LaGuardia Community College

Medgar Evers College
Mott Hall Middle School
New Preparatory Middle School
New Rochelle High School
Pace University
Plainedge High School
School of the Future
Seward Park High School
Southern Connecticut State University
York College

