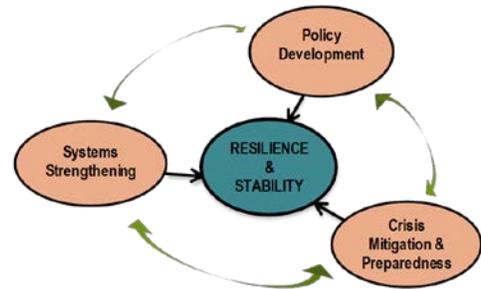


## Building Resilience and Fostering Stability

Developing nations are increasingly faced with natural and man-made disasters which undermine their ability to eradicate disease or chronic poverty and often result in preventable human or economic loss. Man-made disasters, such as violent conflict, terrorism or cyber-attacks, have a similarly debilitating effect on communities and livelihoods.

The State University of New York/Center for International Development (SUNY/CID) capitalizes on expertise across the university to help nations around the world build their capacity to respond to these threats. Our centers of excellence and individual experts assist leaders from all levels of government to systematically evaluate resilience of their institutions and systems to natural or man-made threats. From policy formulation to policy implementation we help governments develop systems and capacity necessary to mitigate and manage crisis.



### Climate Change Resilience:

In many countries, climate change is creating increasingly serious threats to human health, welfare and ecosystems. In Kenya, SUNY/CID is collaborating with USAID's Feed the Future, WASH, and Climate Change programs through the USAID-funded **Agile and Harmonized Assistance for Devolved Institutions** Project to develop multi-county Climate Change and Disaster Risk Reduction policies and strategies and to incorporate these into county planning and budget formulation processes. This work builds on our successful UK Department for International Development (DfID)-funded STARCK project which helped the Kenyan Parliament develop legislative policy on climate change and resulted in passage of the Climate Change Bill.

At the University at Albany our experts use cutting edge research and weather systems analysis to help decision-makers assess and manage the risks that climate change may pose. Our **Atmospheric Sciences Research Center (ASRC)** is working to develop a better understanding of West Africa's weather and developing applications to predict rainfall, floods, agriculture and crop outcomes and malaria risk assessments. The ASRC is also leading a U.S.-Taiwan consortium which will advance research in early warning systems in East Asia to better predict the path and course of major storms through a \$4.5 million grant from the **Partnerships in International Research and Education (PIRE)**.

**Food Security and Resilience:** SUNY/CID's AHADI Project in Kenya is bringing together county executives in charge of water service provision, in five Arid and Semi-Arid regions, along with civil society and private sector stakeholders to develop improved water and sanitation policies. Similarly, we are working with the livestock sector to conduct policy dialogues to establish a comprehensive governance framework and planning to strengthen livestock production and productivity.

**Cornell International Institute for Food, Agriculture and Development (CIIFAD)** at the College of Agriculture and Life Sciences engages diverse disciplines, actors and institutions around the world to advance knowledge and practice for sustainable agriculture, rural development and global food security. The SUNY School of Public Health's **Center for Global Health** is helping communities in the Dominican Republic gain greater access to potable water and students at University of Buffalo's School of

Engineering and Applied Sciences are inventing innovative and inexpensive ways to harness the sun to purify drinking water.

**Public Health Resilience:** Grounded in its partnership with the New York State Department of Health, but applied internationally as well, our School of Public Health develops tools that help researchers, emergency preparedness teams and government officials assess, manage, mitigate, and prevent public health threats.

- **The Center for Global Health** works with a wide range of partners around the world to create educational programs, collaborative research initiatives, and health promotion interventions to help solve today's most critical global health problems. The Center has collaborated with the New York State International Training and Research Program to provide HIV and infectious disease research training for health care professionals from Ukraine, Kazakhstan, Russia and Georgia that reached over 7000 health care professionals. *New York State is the first jurisdiction in the world to have a plan in place to end the HIV epidemic.* By 2020 the number of persons living with HIV in New York State will be reduced for the first time since the epidemic began in 1981.
- **The Center for Public Health Preparedness** is home to the **Preparedness and Emergency Response Learning and Response Center**, one of 14 CDC-funded training centers throughout the U.S. that develops, delivers, and evaluates core competency-based preparedness and response training for public health workers and state and local public health authorities. In addition, it conducts public health systems research to evaluate the capabilities and performance of the public health system as it prepares for, and responds to, potential threats and hazards.
- Our **Institute for Health System Evaluation** conducts research and analysis to help improve policy and decision-making for health systems with a focus on improving health care systems through engaged partnerships with colleges and universities, regional business, and national and international partners.

**Security and Emergency Preparedness:** SUNY's **College of Emergency Preparedness, Homeland Security and Cybersecurity** is the first college in the US dedicated solely to the study of these subject areas. In addition to its high-quality academic program preparing students for careers in these fields, the College also supports innovative research, and provides training for professionals to help them prepare for, protect against, respond to, and recover from a growing array of natural and human-caused risks and threats in New York State and around the world.

Preparedness and adapting to an ever-evolving threat environment requires the ability to change attitudes, beliefs and skills of the people involved - from policymakers, government officials and administrators, to first responders. The CEHC's **National Center for Security and Preparedness** trains officials from key government agencies and emergency responders across New York State and around the country. The NCSP's highly-skilled network of experts provides advice and training in specialty areas such as:

- Detection and Monitoring
- Environmental Health and Safety
- Emergency Management
- Pandemic Response
- Continuity of Operations
- Continuity of Government
- Disaster Logistics
- Law Enforcement in Emergencies
- Emergency Operations Centers (Planning and Operations)
- Crisis and Risk Management and Decision-making