

## GLOBAL CLIMATE CHANGE COLLABORATIVE

MUSIC has initiated the **Global Climate Change Collaborative (G3C)**. G3C is a network of institutions around the world that conduct action research projects to help communities, planners, and policy makers develop adaptive management and adaptive governance processes to prepare for the impacts of climate change.

MUSIC is one of the principal science applications and policy-relevant research entities of the **USGS Global Change Science program**. G3C action-research projects will develop and test policy approaches as described above.

Climate change has such profound implications for the survival of society that communities, governments, and businesses must work in partnership to develop strategies to cope with the impacts. Current institutional arrangements and structures are not adequate and need to change.

Climate change is the number one global societal and environmental issue. We need to *ACT* now on developing practical strategies to deal with it. G3C proposes to do this through a coordinated network of action research projects at specific places around the globe.

Initial G3C projects focus on coastal and marine ecosystems and fresh water resources and management. A coordinating committee has been established tri-chaired by **Herman Karl (co-Director of MUSIC)**, **Michael Davidson (Research Associate, University of Pretoria, South Africa)**, and **Rosemary Sandford (Research Fellow-Policy, Antarctic Climate and Ecosystem Cooperative Research Centre, Tasmania)**. The committee consists of representatives (practitioners and academics) from the regional network of institutions. Besides the institutions represented by the tri-chairs, to date they include **Cyprus Institute (Middle East)**, **British Geological Survey, TNO (the Netherlands)**, **Arava Institute for Environmental Studies (Israel)**, and **Anudip Foundation for Social Welfare (India)**.

We will start with three existing projects and two planned projects. Three projects will address coastal ecosystems and two water resource issues. **The Gulf of Maine, Sunderbans, and Australia** address coastal ecosystems and livelihoods associated with fisheries and other coastal livelihoods. A project in **the Netherlands** (Living with Water) and one planned for the **Middle East** address water resource and management issues. We want to develop processes that are compatible with different cultures and different stages of state development.

**The first G3C Workshop was held at MIT on March 4, 5, and 6 in conjunction with the meeting of the Coordinating Committee. Specifics forthcoming.**