



# **GEOSPATIAL SCIENCE & TECHNOLOGY FOR SUSTAINABLE DEVELOPMENT IN AFRICA**

**Anna Brown  
28 May 2009**

## Overview

- Urbanization and the capacity of cities
- Climate Change Resilience in African Agriculture

# Urbanization and the Capacity of Cities

- The world is 50% urban
- Urban growth is taking place in the global South
- Much of this growth is taking place in slums

# Urbanization: 2 Areas of Exploration

## 1. Planning for a Sustainable Urban Future

*Aim: Urban planning that is relevant to current urban realities in the global South*

- Training programs (e.g. Association of African Planning Schools—AAPS)
- Urban policy and practice
- Focus on health as a determinant and outcome of sound urban growth & devt

## 2. Financial Innovations for the Urban Poor

*Aim: Strengthen information and resource flows between urban poor networks and gov't and donors*

- Evaluation, metrics
- Tools
- Linkages with gov't, universities, professionals



# Climate Change Resilience Initiative: African Agriculture

- African agriculture will be severely impacted by climate change and variability
- Small holder farmers face big risks
- Climate science and agricultural science remain as disparate fields

# Climate Change Resilience for African Agriculture

*Aim: Bridge the gap between climate science and agricultural science in Africa*

## 4 Targets

- Agricultural Research + Development Orgs: help generate demand for climate change adaptation
- Field Experimentation: help generate more examples of practice
- Climate Science: help build capacity of existing climate change institutions
- Enabling policy: support policies that could strengthen channels for ag resilience