

Program in Urbanization and Migration
Center for Health and Wellbeing
Princeton University

CONFERENCE ON MIGRATION, URBANIZATION AND HEALTH
The Role of Remote Sensing (RS) and Geographic Information Systems (GIS) for
Monitoring, Surveillance, and Program Evaluation

<http://pum.princeton.edu>

The conference will bring together scholars and policy makers whose decision-making activities focus on the complex dynamics of rapid urbanization and its health consequences. The application of RS/GIS technologies for policy purposes will be a central theme.

Conference Program

September 25 – 26, 2003
Wallace Hall, Room 300

Day 1

8:30AM–9:00AM Breakfast

Background on Migration, Urbanization, and Health and the role of RS/GIS Technologies

9:00AM–9:30AM What are the problems? Where are they located? How do solutions link up with UN Millennium Goals? Overview of goals of the conference.

Burton Singer, Princeton University

Population Distribution from Remote Sensing

9:30AM–10:00 AM Nighttime lights change detection

Christopher Elvidge, NOAA

10:00AM–10:30AM The Process of Urbanization

John Weeks, San Diego State

10:30AM–10:45AM Break, coffee/refreshments

10:45AM–11:15AM Intersecting Small-Area Decennial Census Data with Remote Sensing Imagery

Paul Voss, University of Wisconsin

11:15AM–Noon Open discussion about RS/GIS and population assessments

Stuart Sweeney, UC Santa Barbara

Noon–1:00PM Lunch ordered in

Migration, Urbanization and Health

1:00PM–1:30PM Population Movements and Epidemics: Space-time patterns of Urban Disease

Andrew Cliff, Cambridge University (UK)

1:30PM–2:00PM Migration, urbanization, and malaria on the Amazon Frontier

Marcia Caldas de Castro, Princeton University
Roberto Luis Monte-Mor, CEDEPLAR (Brazil)

2:00PM–2:30PM Housing, Agriculture, and Disease Control

Andrew Spielman, Harvard University
Awash Teklahaimanot, Columbia University

2:30PM–3:15PM Open discussion and integration of ideas from the presentations

Sara McLafferty, University of Illinois, Urbana-Champaign

3:15PM–3:30PM Break, coffee

GIS and RS Tools and their Application—1

3:30PM–4:00PM GIS-RS in Public Health

Uriel Kitron, University of Illinois
Louisa Beck, CHAART/NASA

4:00PM–4:30PM Improving Global Population Estimates

Deborah Balk, Columbia University, CIESIN

- 4:30PM–5:00PM CIESIN and the UN Millennium Project
Meredith Golden, Columbia University – Earth Institute
- 5:00PM–5:45PM Open discussion about RS/GIS Technology
John Hasse, Rowan University
- 6:15PM Prospect House, Library reception, Dinner

Day 2

- 8:30AM–9:00AM Breakfast

GIS and RS Tools and their Application—2

- 9:00AM–9:45AM Landscan
Budhendra Bhaduri, Oak Ridge National Laboratory
Eddie Bright, Oak Ridge National Laboratory
- 9:45AM–10:30AM Integrating Census and Survey Data
Don de Savigny, Swiss Tropical Institute
- 10:30AM–10:45AM Break
- 10:45AM–11:30AM Open discussion about RS/GIS in diverse applications
Christopher Small, Columbia University

Policy and Interventions

- 11:30AM–Noon RS/GIS in Urban Child Health Policies
Mark Becker – Columbia University, CIESIN
Meredith Golden, Presenter – Columbia University, CIESIN
- Noon–1:00PM Lunch ordered in

Policy Interventions and the Role of RS/GIS

- 1:00PM–1:30PM Scaling up interventions to national levels
Yoichi Yamagata, Japan International Cooperation Agency
- 1:30PM–2:00PM Identifying Targets for Urban Disease Control
Burt Singer, Princeton University
Marcia Caldas de Castro, Princeton University
- 2:00PM–2:45PM Open discussion of the RS/GIS – Policy interface
Mark L. Wilson, University of Michigan
- 2:45P–3:00PM Break
- 3:00PM–3:45PM Panel Discussion and summary of where we are and next steps
Andrew Cliff, Cambridge University (UK)
Christopher Elvidge, NOAA
Don de Savigny, Swiss Tropical Institute
Discussion Chair - Burton Singer, Princeton University