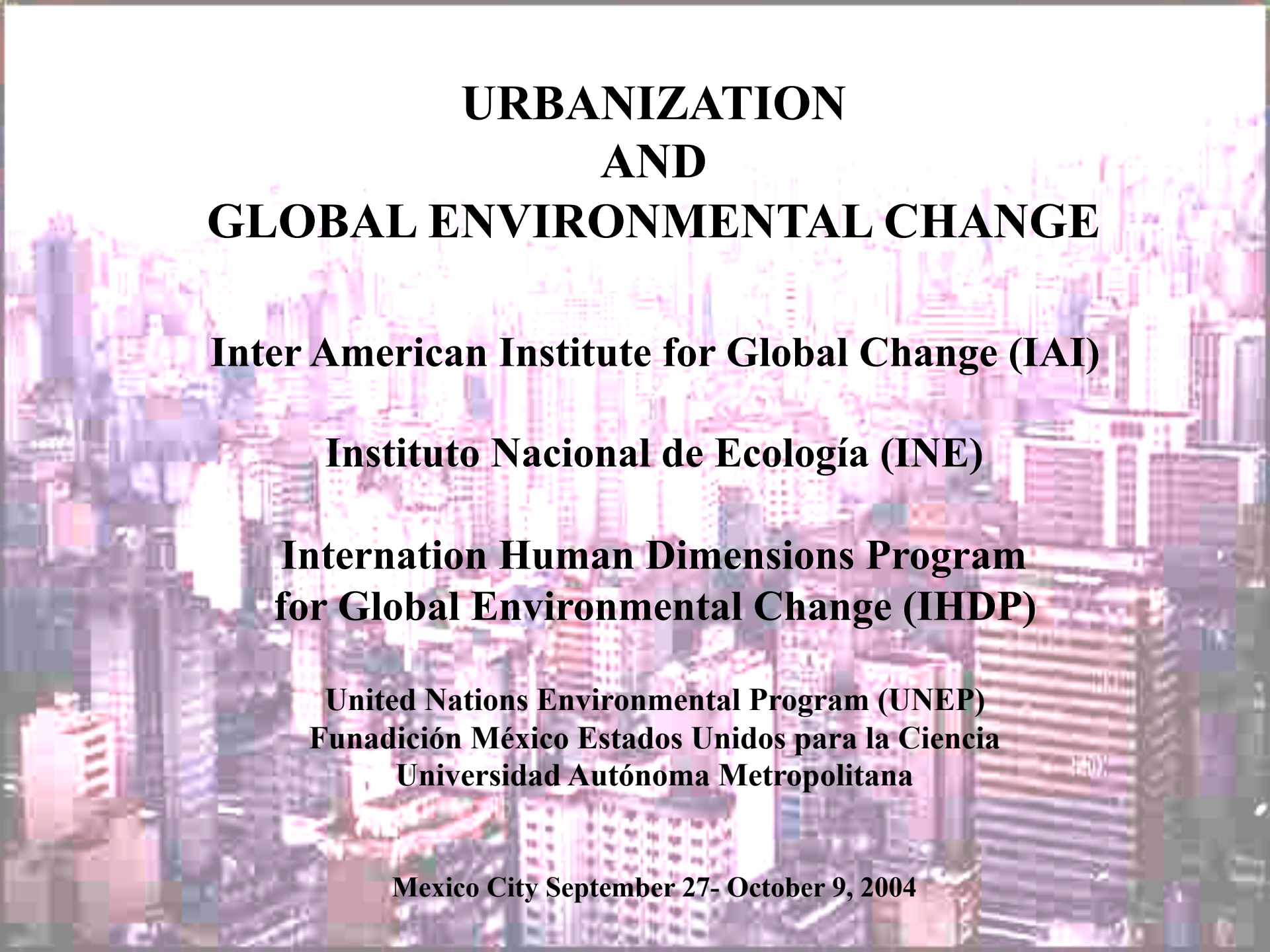




URBANIZATION AND GLOBAL ENVIRONMENTAL CHANGE

Inter American Institute for Global Change (IAI)

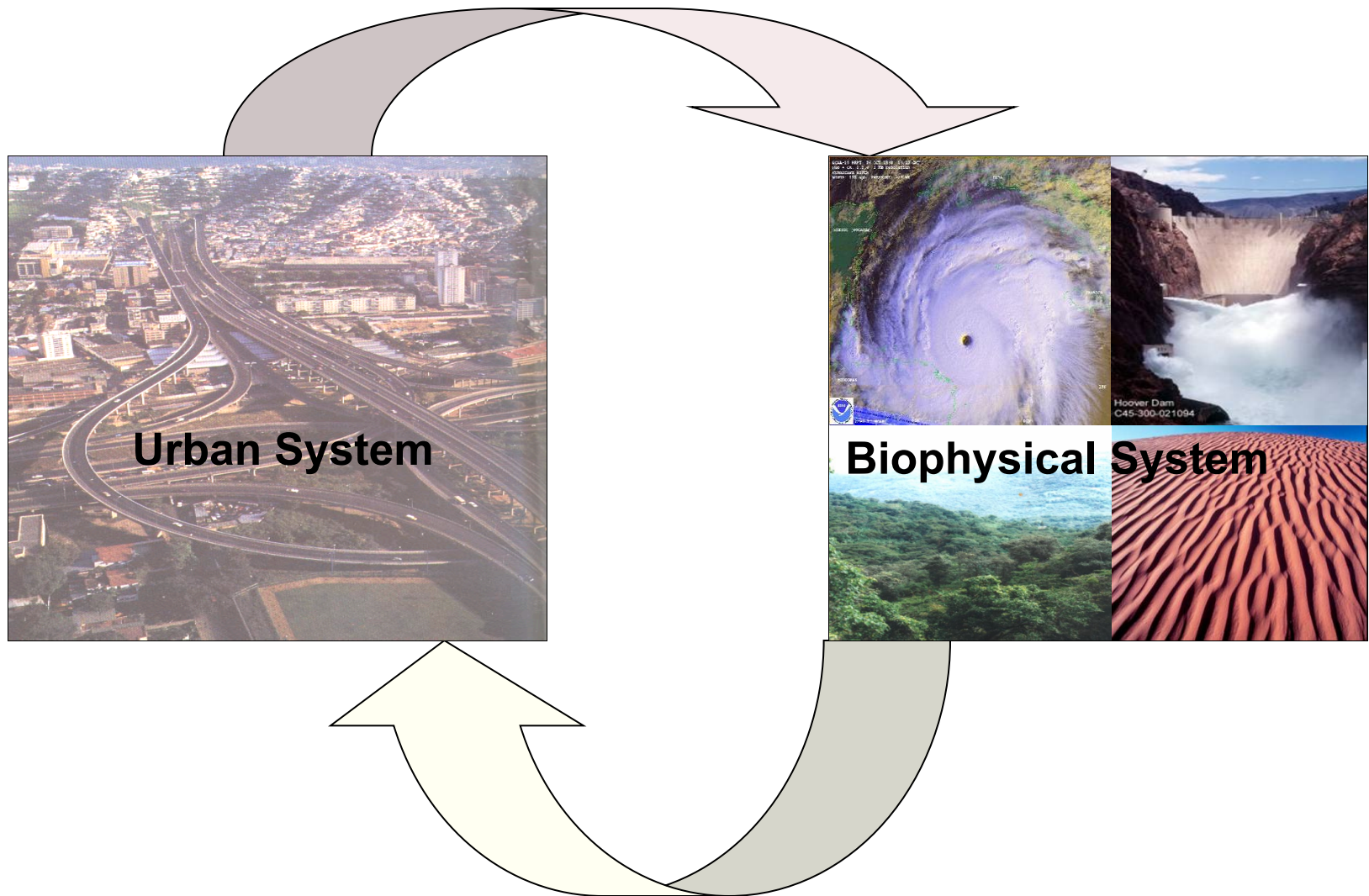
Instituto Nacional de Ecología (INE)

**International Human Dimensions Program
for Global Environmental Change (IHDP)**

**United Nations Environmental Program (UNEP)
Fundación México Estados Unidos para la Ciencia
Universidad Autónoma Metropolitana**

Mexico City September 27- October 9, 2004

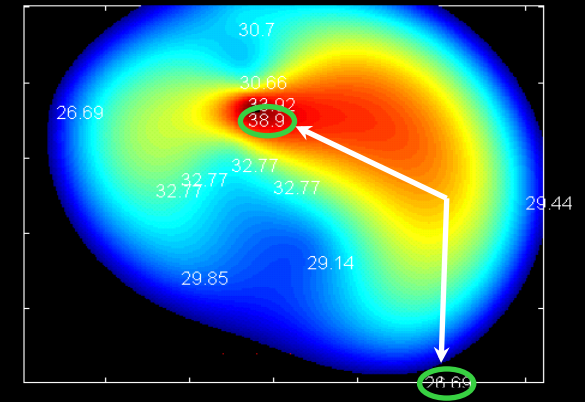
URBANIZATION AND GLOBAL ENVIRONMENTAL CHANGE



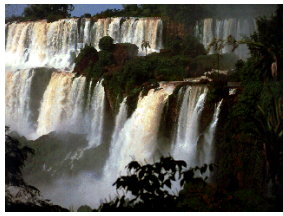


Natural Disasters

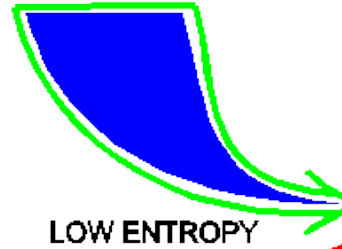
Heat Island



Corbis.com



AVAILABLE ENERGY
AND MATERIAL
(ESSERGY)



LOW ENTROPY

Goods and Services

\$

Businesses



Wages, Salaries, etc.

Households

\$

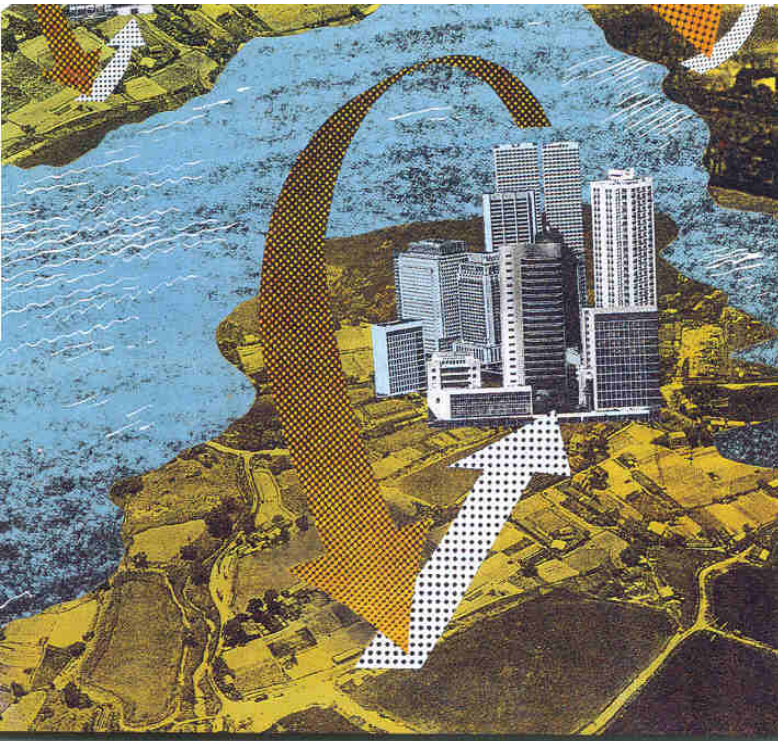
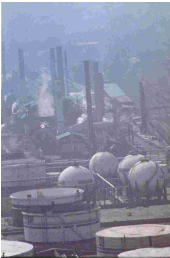
Labor and Investment

HIGH ENTROPY

DEGRADED AND
DISSIPATED
ENERGY/MATTER
(WASTE)

FINAL
PRODUCTS

POLLUTION
AND WASTE



**Land Use, Land Cover Change
Urban – Region Interactions**

Urbanization and Global Environmental Change



Seeking New Approaches

Multi Dimensional Processes



Theory / Methods

Cultural

Economic

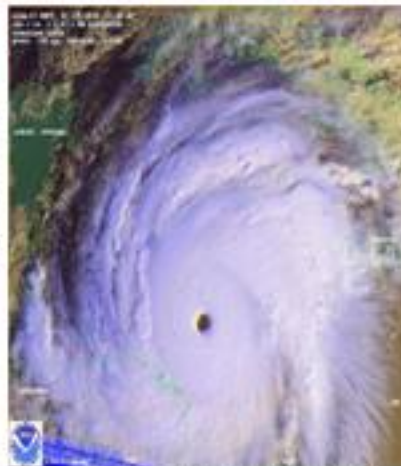
Social

Political

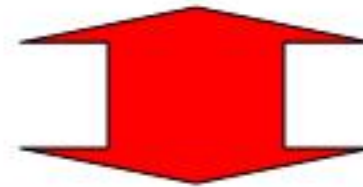
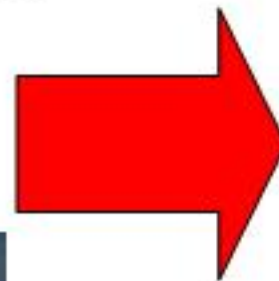
Biophysical

SCALE

Intra urban scale



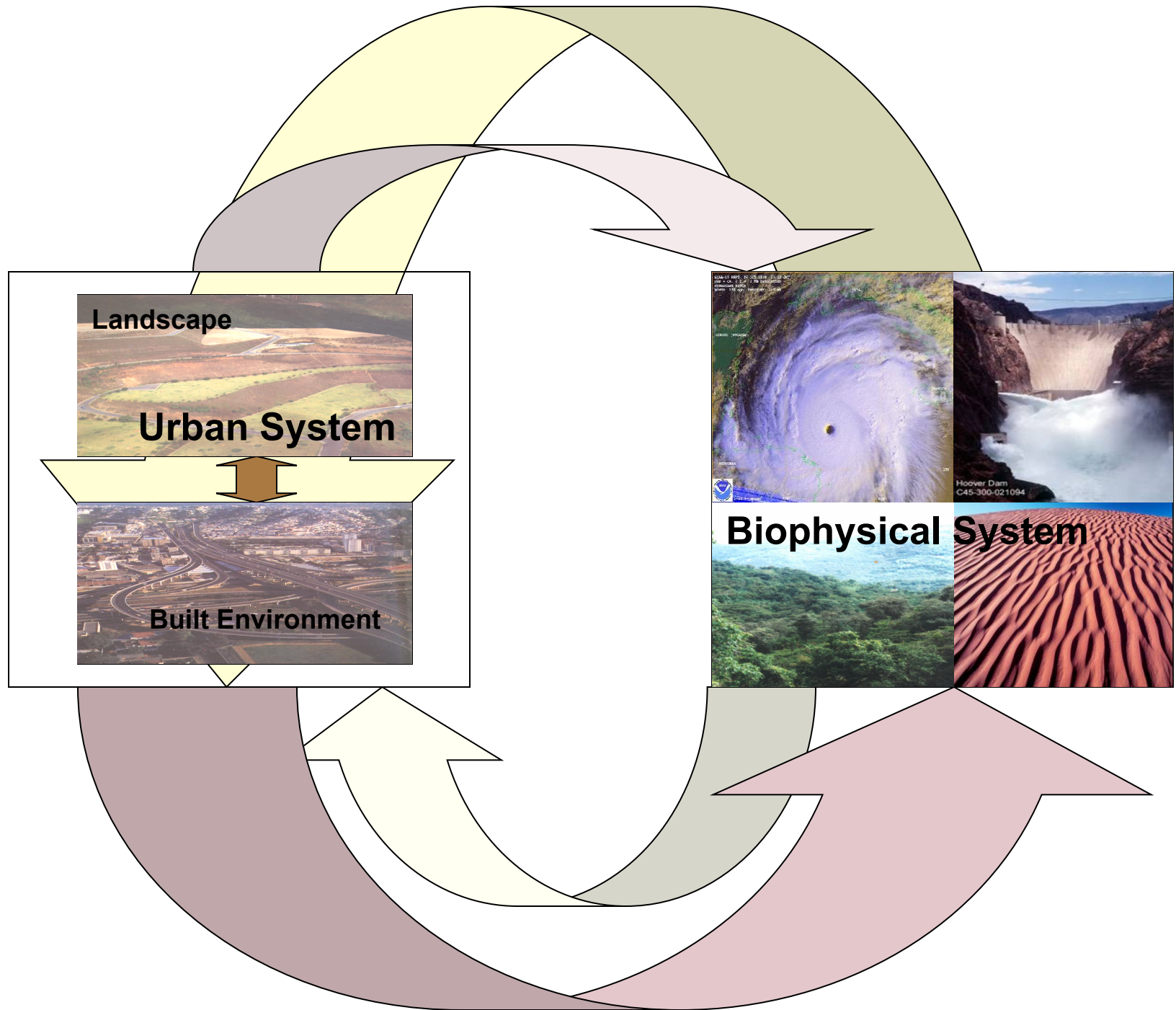
Transnational,
Regional,
National,
Local
Processes



•Urban Studies
Sociology
Economy
Politics
Anthropology
Planning
Culture
•Political Economy

Global
Environmental
Change

•Climate
Forecast
Urban Climate
Impact Studies
•Hydrology
•Ecology
•Geology
•Engineering



Time	Monday Sept 27	Tuesday Sept 28	Wednesd Sept 29	Thursday Sept 30	Friday Oct. 1
9-10:30	Introduction	Global Environmental Change and Urbanization	Urban Structure (urban form and infrastructure)	The Social Construction of the Urban Space	Hands on the Use of Climatic Data
		Roberto Sánchez México	Ricardo S. Toledo Brazil	Emilio Duhau México	Cecilia Conde México
10:30-11	Break	Break	Break	Break	Break
11-12:30	GEC Biophysical Processes	Case Study - Floods in Buenos Aires, Argentina	Urban Function (transportation and the urban economy)	Urban Governance	Hands on the Use of Climatic Data
	Karen Seto USA	Hilda Herzer Argentine	Victor Islas México	Alberto Olvera México	Cecilia Conde México
12:30- 2:30	Lunch	Lunch	Lunch	Lunch	Lunch
2:30-4:00	GEC Socio Economic Processes	Hands on GIS and Remote Sensing	Hands on Urban Modeling	Hand on Social Science Methods	Peri-Urban Areas
	Alejandro Nadal México	Luis Miguel Morales México	Claudia Almeida Brazil	Sabina Frederic Argentina	Adrián Aguilar México
4:00-4:30	Break	Break			Break
4:30-6:00	Globalization and Urbanization in LA and the Caribbean	Hands on GIS and Remote Sensing	Hands on Urban Modeling	Hand on Social Science Methods	The Urban Environment - Air Quality
	Carlos de Mattos Chile	Luis Miguel Morales México	Claudia Almeida Brazil	Sabina Frederic Argentina	Adrián Fernández México

	Monday Oct 4	Tuesday Oct 5	Wednes Oct 6	Thursday Oct 7	Friday Oct 8
9-10:30	Urbanization and the Carbon Cycle	Climate Change and Health	Ecological Services and Urban Agriculture	Case study Rapid Urbanization and Air Quality in Phoenix, Arizona	Closing Ceremony
	Patricia Romero México	Ana Rosa Moreno México	Roberto Sánchez México	H. Fernando USA	
10:30-11	Break	Break	Break	Break	Break
11-12:30	Greenhouse Emissions in Mexico City	The Urban Environment – Solid Waste	Urban Geomorphology	Case Study Tourism, Urbanization, and Climate Variability	Workshop Evaluation
	Oscar Vázquez México	Otoniel Buenrostro México	Gerardo Bocco México	Barbaro Moya Cuba	
12:30- 2:30	Lunch	Lunch	Lunch	Lunch	Lunch
2:30-4:00	Environmental Health and Air Quaility	Discussion	Vulnerability	Case Study Land Use Change and Urbanization	
	Leonora Rojas México		Virginia García México	Erna López México	
4:00-4:30	Break	Break	Break	Break	Break
4:30-6:00	The Urban Environment - Water	Urban Climate	Case Study Climate Variability and Vulnerability in Tijuana, Mexico	Final Summary	
	Pedro Jacobi Brazil	Ernesto Jaúregui México	Roberto Sánchez México		

An aerial photograph of a dense urban skyline, likely New York City, showing a vast number of skyscrapers and high-rise buildings packed closely together. The image is slightly faded and has a vintage feel.

Metas del Instituto de Verano

- **Perspectiva integral**
- **Derrama regional**
- **Políticas urbanas y ambientales**