



A ciência da mudança climática

IPPC, Climate Change 2007

- The Physical Science Basis (fevereiro)
- Impacts, Adaptation and Vulnerability (abril)
- Mitigation of Climate Change (maio)
- The AR4 Synthesis Report (novembro)
- Marengo, José A., Cenários brasileiros



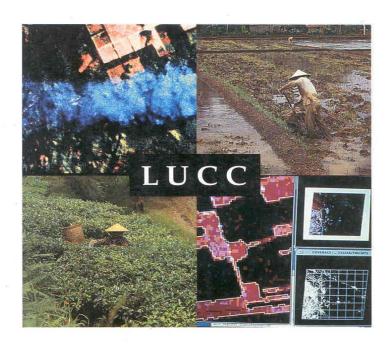








IGBP Report No. 35 HDP Report No. 7



Land-Use and Land-Cover Change Science/Research Plan



IGBP Report 53 / IHDP Report 19

Global Land Project



Science Plan and Implementation Strategy

GLOBAL ENVIRONMENTAL CHANGE AND HUMAN SECURITY

GECHS



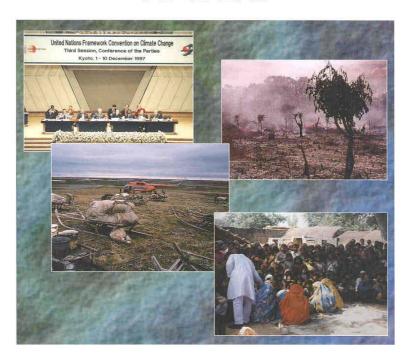
SCIENCE PLAN





INSTITUTIONAL DIMENSIONS OF GLOBAL ENVIRONMENTAL CHANGE

IDGEC



SCIENCE PLAN





INCLUSTRIAL TRANSFORMATION.

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SCIENCE PLAN









Land

Ocean

Interactions

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Coastal

Zone

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SCIENCE PLAN URBANIZATION AND GLOBAL ENVIRONMENTAL CHANGE





International Human Dimensions Programme on Global Environmental Change



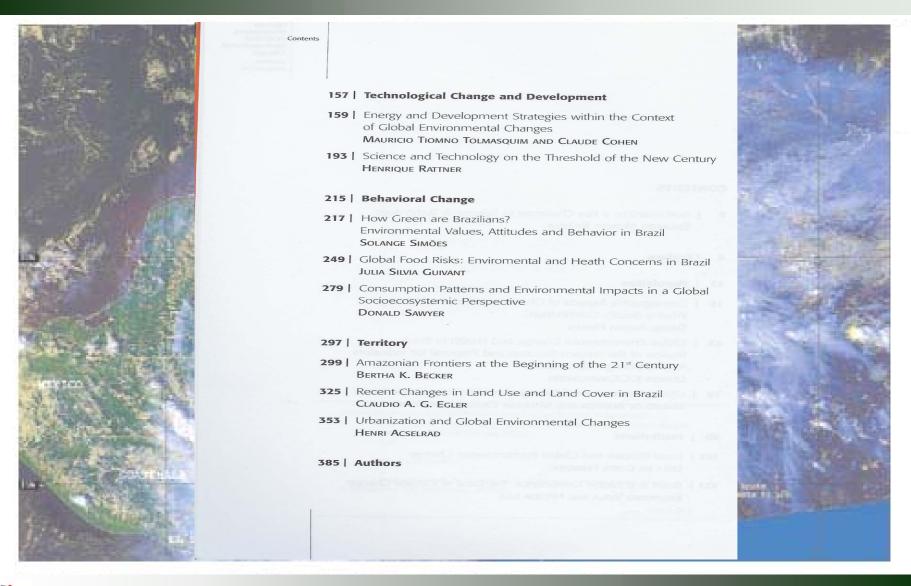
Human Dimensions of Global Environmental Change **Brazilian Perspectives** Daniel Joseph Hogan Mauricio Tiomno Tolmasquim



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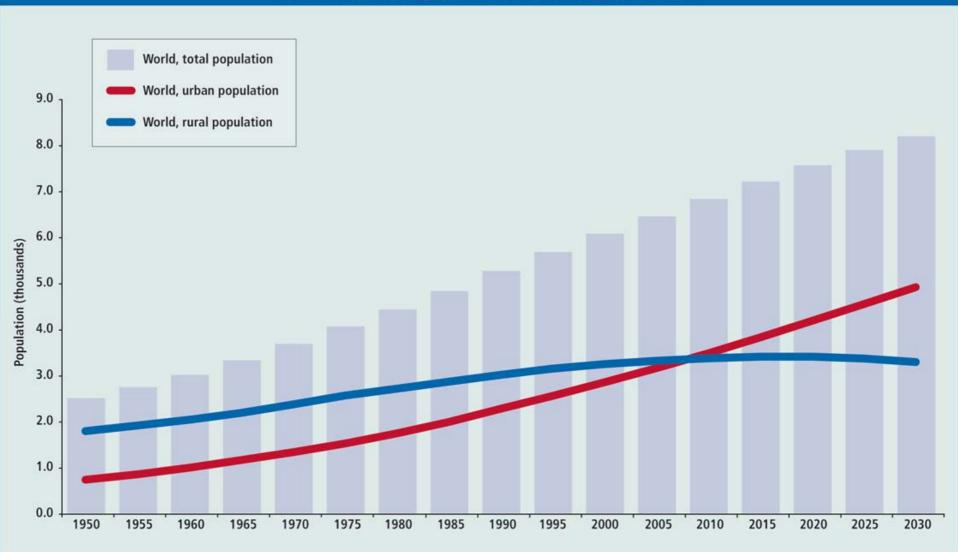




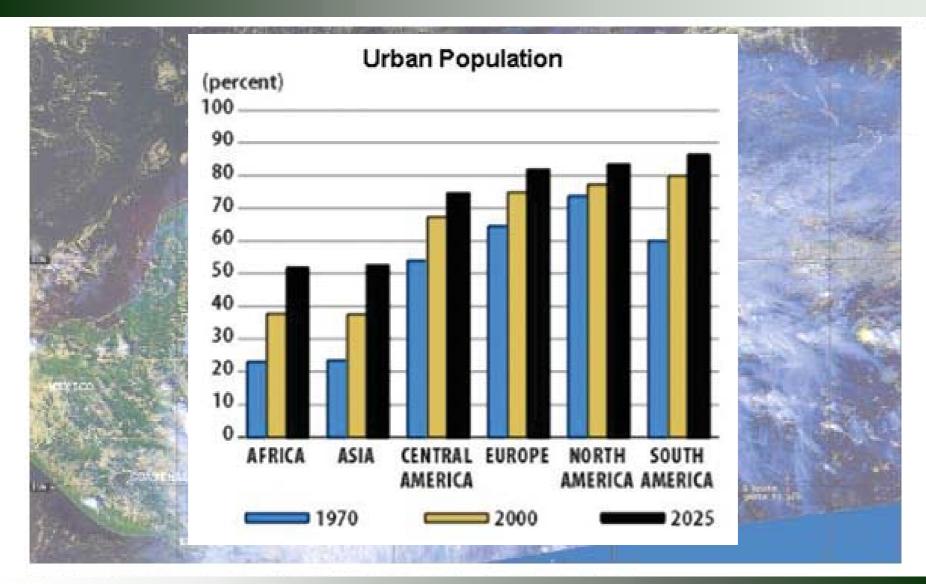




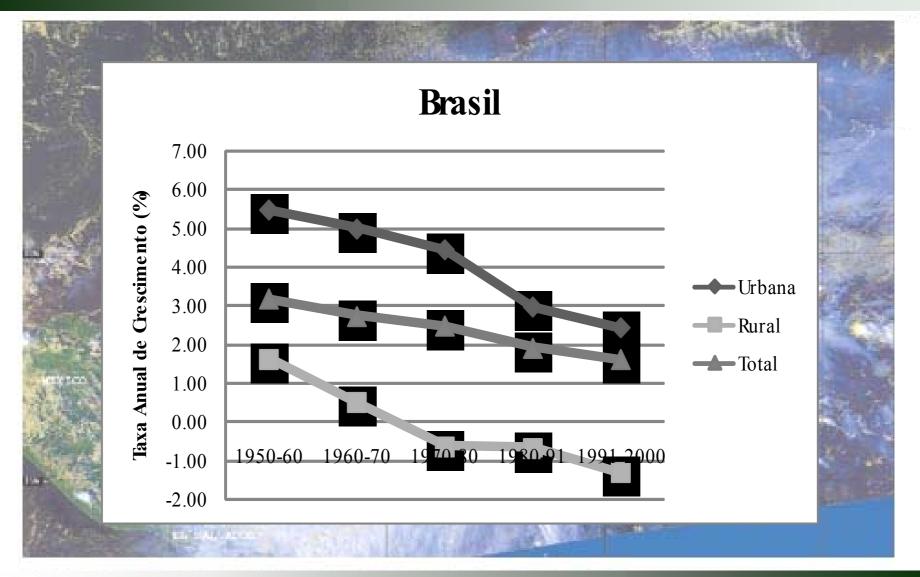
The urban and rural population of the world, 1950-2030



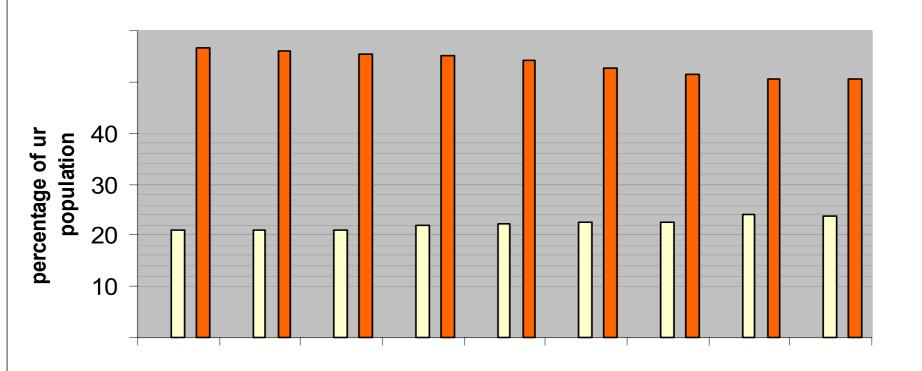




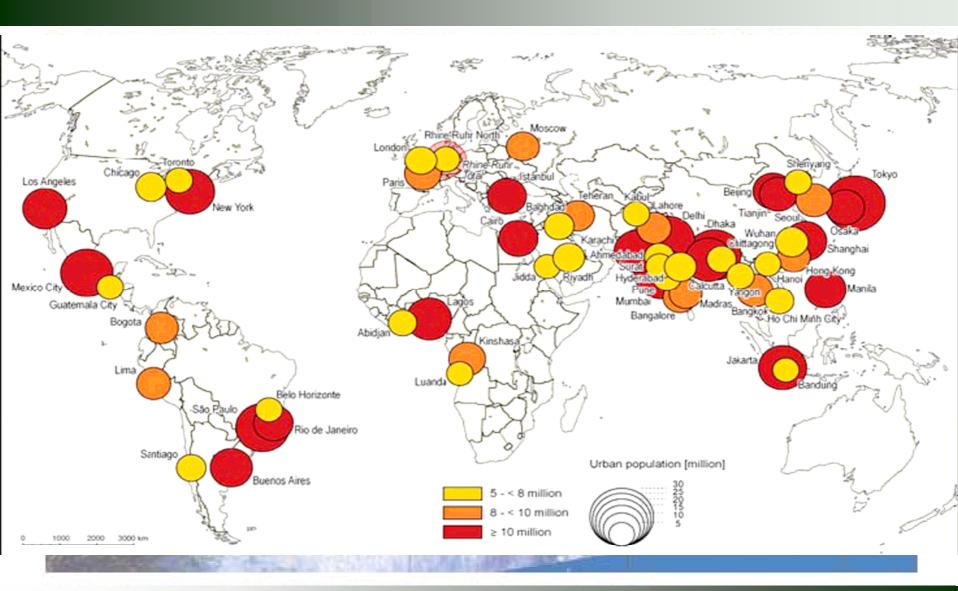






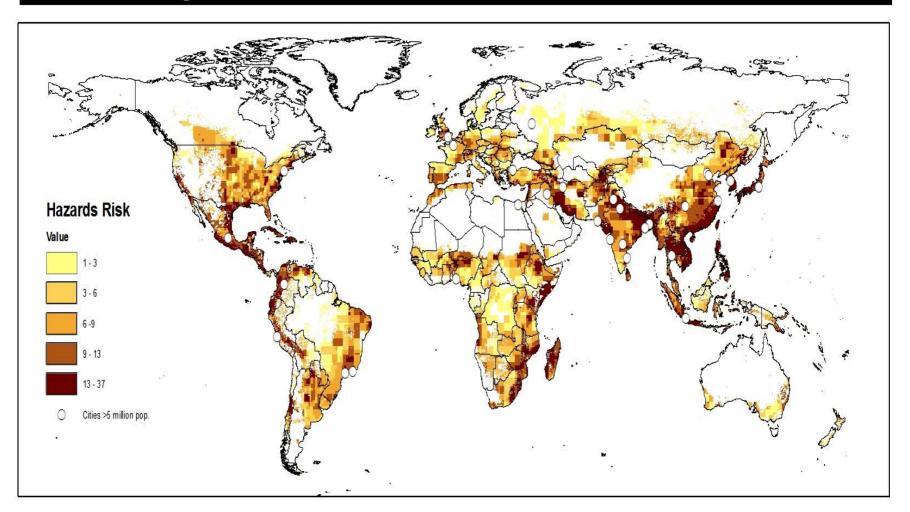








Large Cities in Relation to Current Climate Related Hazards



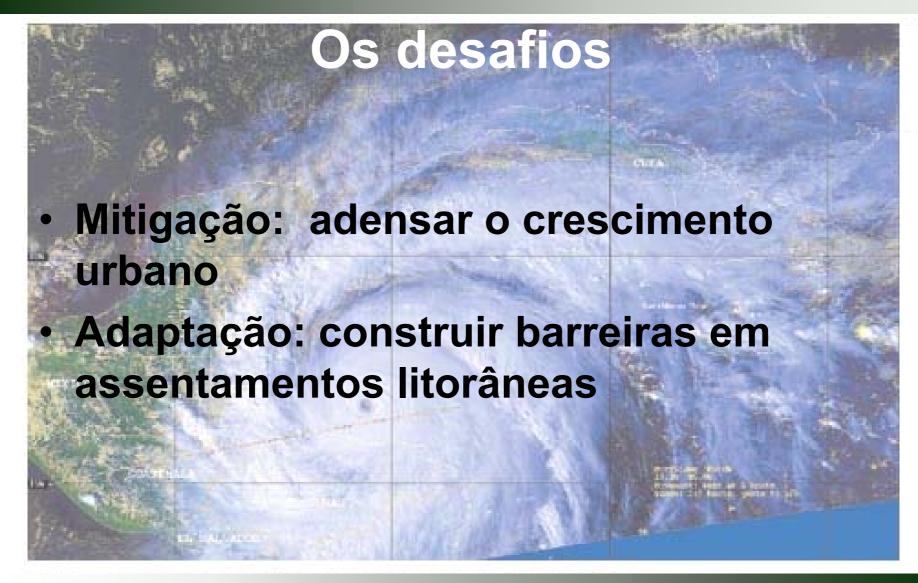














Os desafios

- Mitigação: adensar o crescimento urbano
- Adaptação: construir barreiras em assentamentos litorâneas
- Resiliência: des-impermeabilizar as cidades; recompor a mata ciliar



Processos urbanos que contribuem às MAG

- Como os estilos de vida e padrões de consumo em áreas urbanas contribuem às MAG?
- Como o uso de solo urbano e mudanças na cobertura contribuem às MAG?
- Quais são as zonas de influência de sistemas urbanos e como afetam as MAG?

OR SECTION AND DESIGNATION



Os caminhos pelos quais as MAG afetam o sistema urbano

- Quais são os principais processos pelos quais as MAG afeta o comportamento e as relações humanos?
- Como é que as MAG afetam o ambiente construído?
- Como as MAG afetam a base de recursos naturais dos sistemas urbanos ?





Interações e Respostas dentro do Sistema Urbano

- Como as interações entre os sistemas urbanos e físicos moldam o impacto da MAG?
- Como as interações entre os sistemas urbanos e físicos moldam as respostas à MAG?
- Como os impactos da MAG afetam as maneiras de ganhar a vida nas cidades?



Consequências de Mudanças dentro dos Sistemas Urbanos para a MAG

 Como os resultados das interações de dentro do sistema urbano modificam os impactos sobre os componentes da MAG?



Cyberseminar on "Population Dynamics and Natural Hazards," 5-19 November 2007

IHDP Global Environmental Change and Human Security (GECHS) project and the Center for Hazards and Risk Research (CHRR) of the Earth Institute at Columbia University.

Background paper: Vulnerability to Natural Hazards in Population-Environment Studies Daniel Hogan and Eduardo Marandola, Unicamp www.populationenvironmentresearch.org





