International Institute for Applied Systems Analysis
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City Transformations

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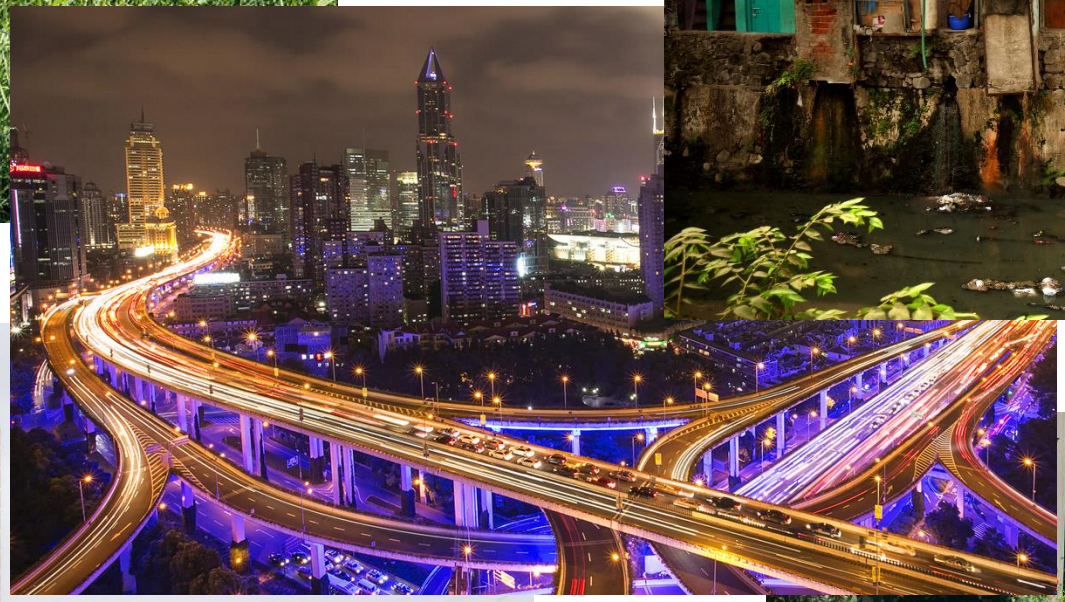

Why?

Climate and energy crises affect billions of human lives, especially in **cities**,

- home to over **half the world's population**
- **resource use centres**

IPCC AR6 had clear messages:

Cities will be faced with a **steep rise** in climate hazards.

The urban share of global GHG emissions is **high and continues to increase**.

- 2015: 62% → 2020: 67-72%

They are **not equally distributed** across urban areas.

Where demands greater attention?

- Comprehensive view and assessment
  - scattered cases, empirical studies
  - global south
- Measures and scenarios
  - Loss and damages
  - cost and potentials: demand-side
  - synergies and trades off
- Mitigation ←→ Adaptation
- Systems transformation → cross-sectoral
- Interdisciplinary and Transdisciplinary collaboration

Who and how?

Each one of us bears responsibility and plays a crucial role in the transformation of our city.

- Scientists
- Policy-makers, municipalities
- Investors
- Urban designers
- Engineers, businesses, practitioners…
- Citizens
- Youth
- …

Close collaborations, Multi-level Governance

IIASA-Japan City Transformation Project

1. Urban systems
2. Impact and risks
3. Systems transformations
4. Enabling conditions
5. Synergies and trade-offs

IIASA-Japan City Transformation Project

Who we are?
- International team: 30 authors and experts

What we do?
- Synthesize the current understanding of urban transformations
- Identify critical knowledge gaps

How?
- Literature
- Case studies, novel methods/concepts, best practices, failures
- Experts opinion

- An international workshop, February 2024, Tokyo, Japan
- A public symposium to officially release the report

Thanks;
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Contributing authors and experts

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