



Inter American Institute for Global Change Research

www.iai.int

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The IAI

What is the IAI?

Pursues the principles of scientific excellence, international cooperation, and the full and open exchange of scientific information **to increase the understanding of global change phenomena and their socio-economic implications**

Intergovernmental organization

19 countries in the Americas



Scientific networks

Collaborative science: comparative and focused studies



Integrated Science Programs

Projects must meet various criteria:

- Scientific excellence (+ scientific excellence + scientific excellence)
- Increased capacity building
- Solution-orientated research
- Effective interdisciplinary collaboration
- Science-policy interface enhanced
- Participation processes and co-production of research agendas

Collaborative Research Network 3, 2012-17

3005. Nitrogen Cycling: Drivers, Impacts And Vulnerabilities.



3025. Knowledge Exchange for of Tropical Dry Forests Conservation



3035. Provision of Climate Services to Agriculture and Water sectors



3036. Land Use, Climate and Infections.



3038. Freshwater Ecosystem Risk from Climate Change.



Collaborative Research Network 3, 2012-17

3056. Science-Policy Dialogues for Water Security



3070. Ocean Ecosystems



3076. Rodent-borne Diseases



3094. Marine Ecosystem Services



3095. Ecosystem Services and Territorial Planning





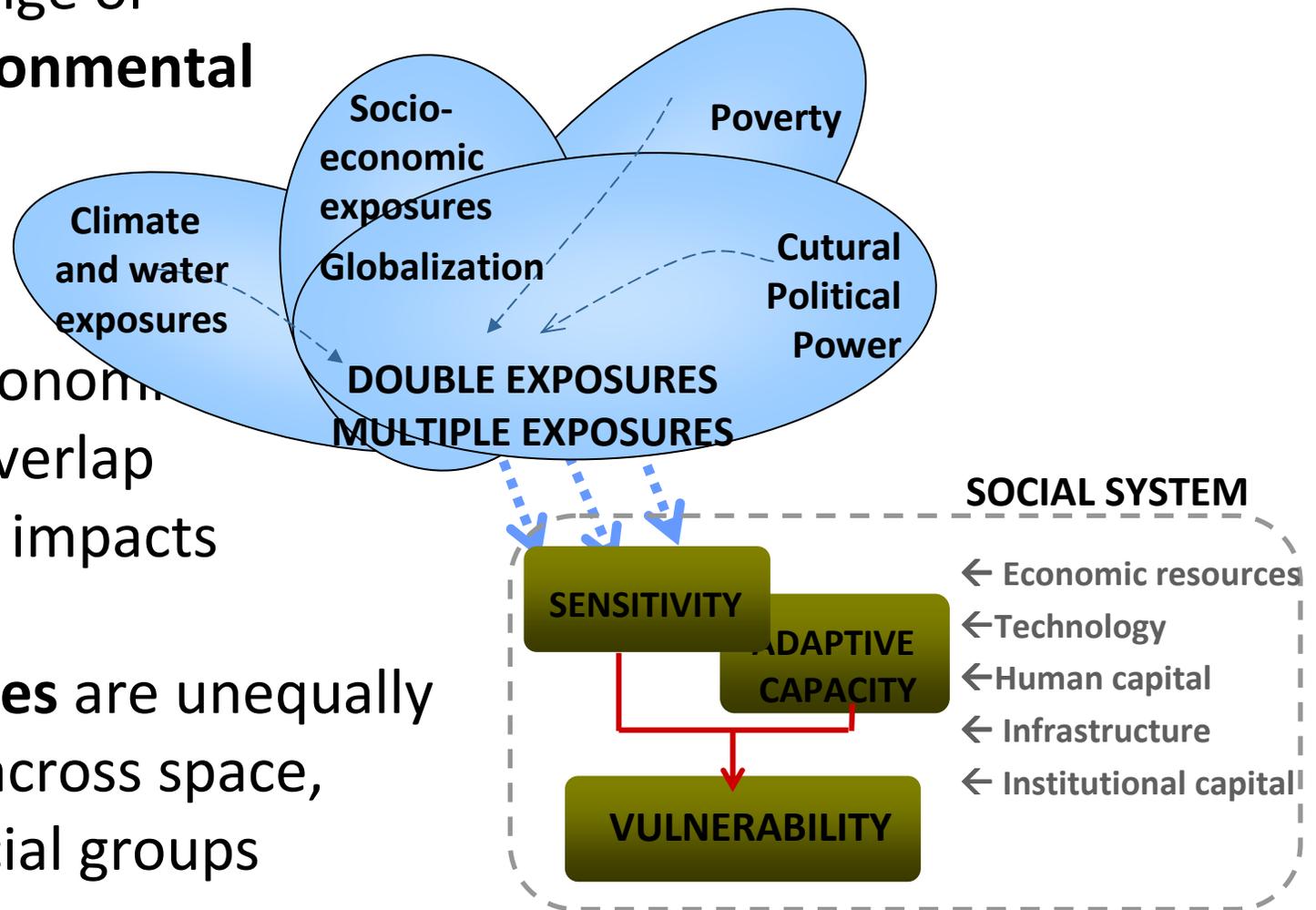
Some Insights from Science

Climate change: trends are useful, but climate extreme events matter most

Climate Change or Global Environmental Change?

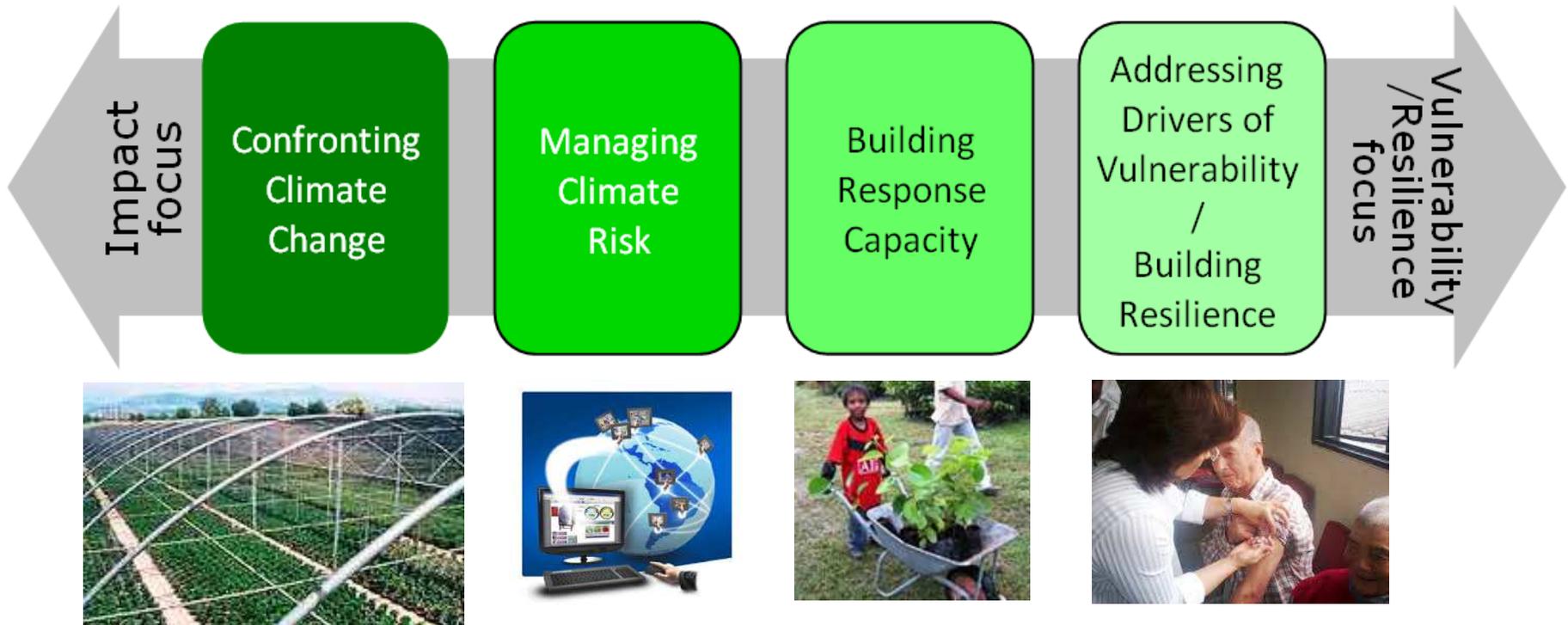
Natural and socio-economic exposures overlap and multiply impacts

Vulnerabilities are unequally Distributed across space, time and social groups



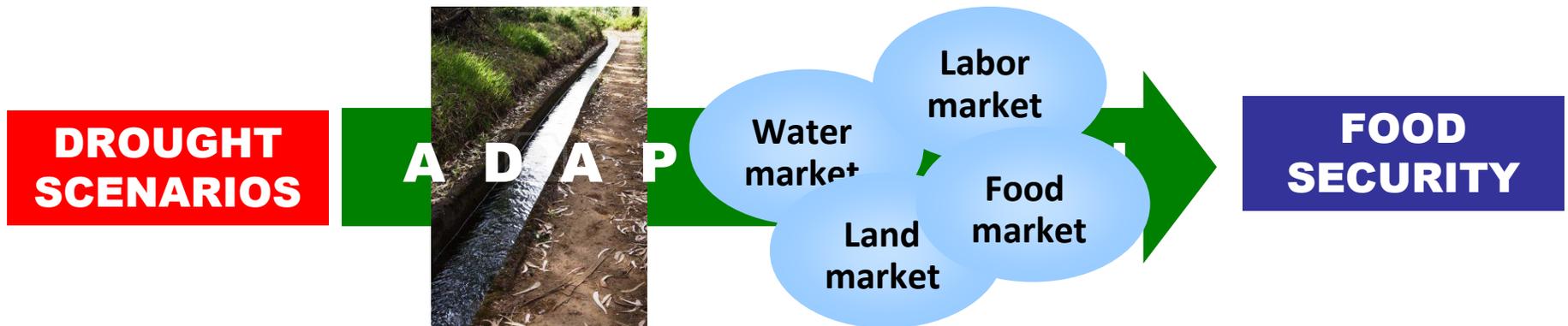
Adaptation

- **Focus** on impact reduction or in reducing vulnerabilities & build resilience?



Adaptation

- Adaptation is a **social change** process
- Adaptation has to deal with **market issues**



- Adaptation can be the source of **new vulnerabilities**



- **Adaptation**

- What kind of **governance scheme** for adaptation:
Market driven? Top-down state supported?
Community-based?

- Alternative **adaptive models**



Technocratic strategies,
as in Chile?



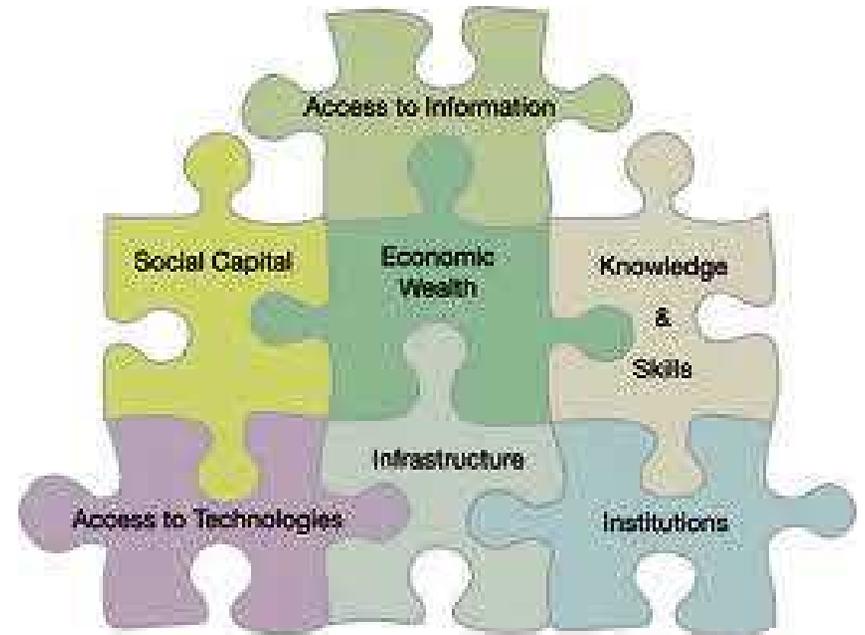
cultural capital,
as in Bolivia?



Asking the state to provide,
as in Argentina?

Adaptation

- **Local/sub-national scales:**
 - . Impacts are local
 - . Every community draws upon the resources and social capital available



- Adaptation or **adaptive capacity?**

- **Science** provides information and knowledge to support decision making and action, but there are challenges:
 - More social sciences and **interdisciplinarity** to address wicked problems
 - Information and knowledge do not guarantee **action**. Need to build science-policy interfaces



S c i e n c e



P o l i c y

- **Institutional development:** interfaces between spheres, sectors, scales, time



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End of Presentation

