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*Integrating the political and the technical: methodologies for **multi-objective** climate and energy policy*

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Need for a multi-criteria approach

- Nationally determined contributions (NDCs) allow for the formulation of mitigation efforts with “**development as context**”
- Implies contending with
 - contexts
 - tradeoffs
 - co-benefits

A tool to address multiple objectives

- An *ex ante* analog to the *ex post* evaluation tools we have
- **Transparent** decision making tool which makes visible **tradeoffs and synergies** of political choices across objectives
- Process which facilitates **multi-stakeholder** agenda setting, dialogue, and decision making
- Ability to integrate **qualitative** and quantitative knowledge across disciplines

Current applications

- Cooking fuel choice in rural India
- Building envelope efficiencies
- Planning in Indian cities

For more details:

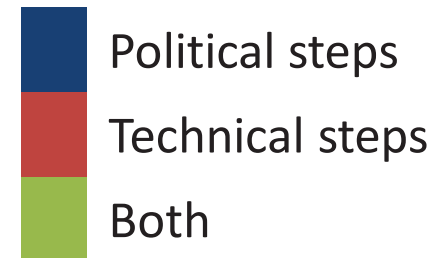
[http://www.cprindia.org/projects/
multiple-objective-based-energy-and-climate-policy](http://www.cprindia.org/projects/multiple-objective-based-energy-and-climate-policy)

MCDA tool steps

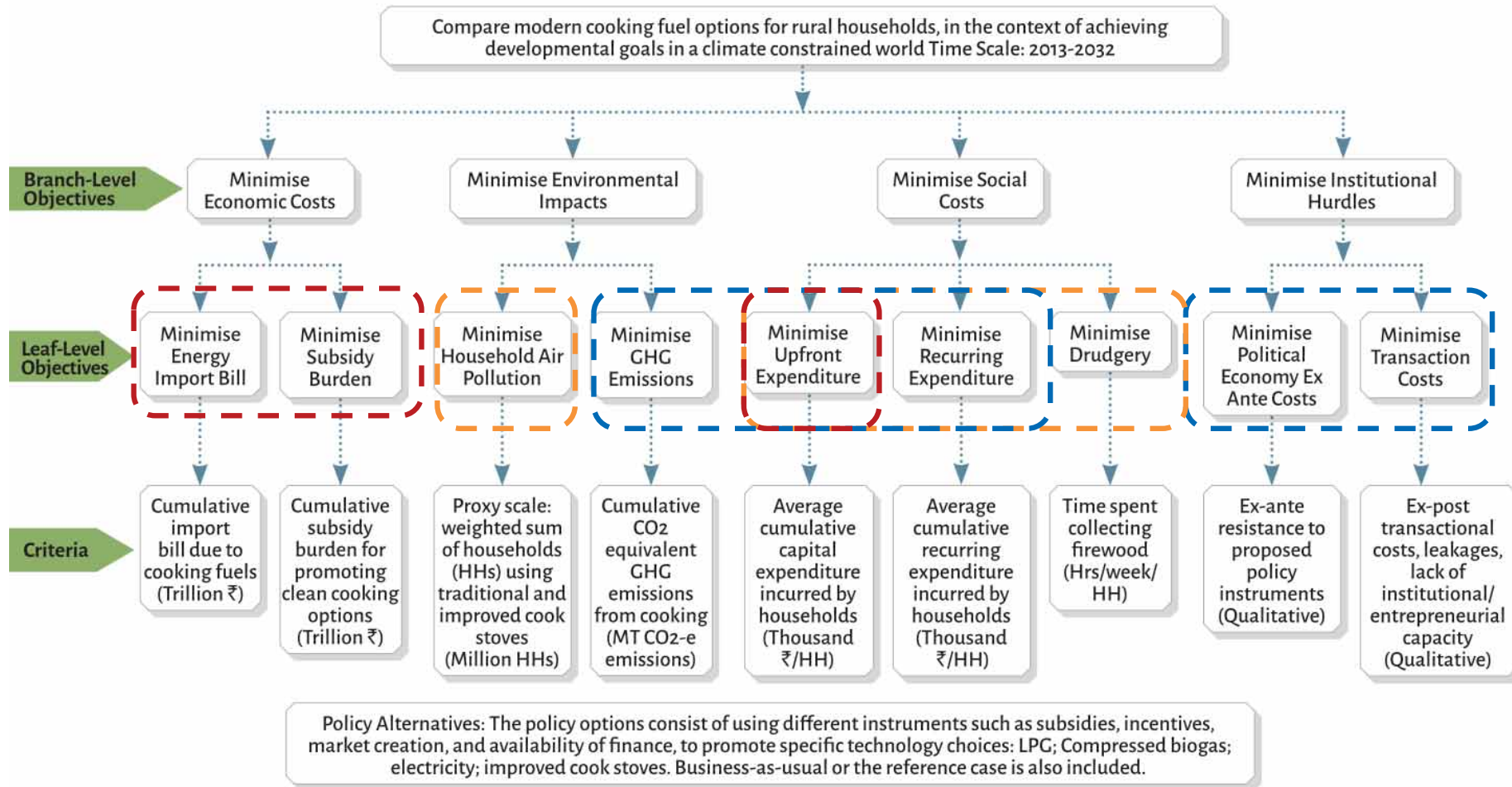
1. Define the problem
2. Identify policy objectives (and metrics)
3. Identify policy alternatives
4. Analysis of alternatives
5. Elicit stakeholder preferences and normalizes quantitative and qualitative information
6. Aggregate through weights and compare and report consequences
7. Uncertainty and sensitivity analysis
8. Policy decision

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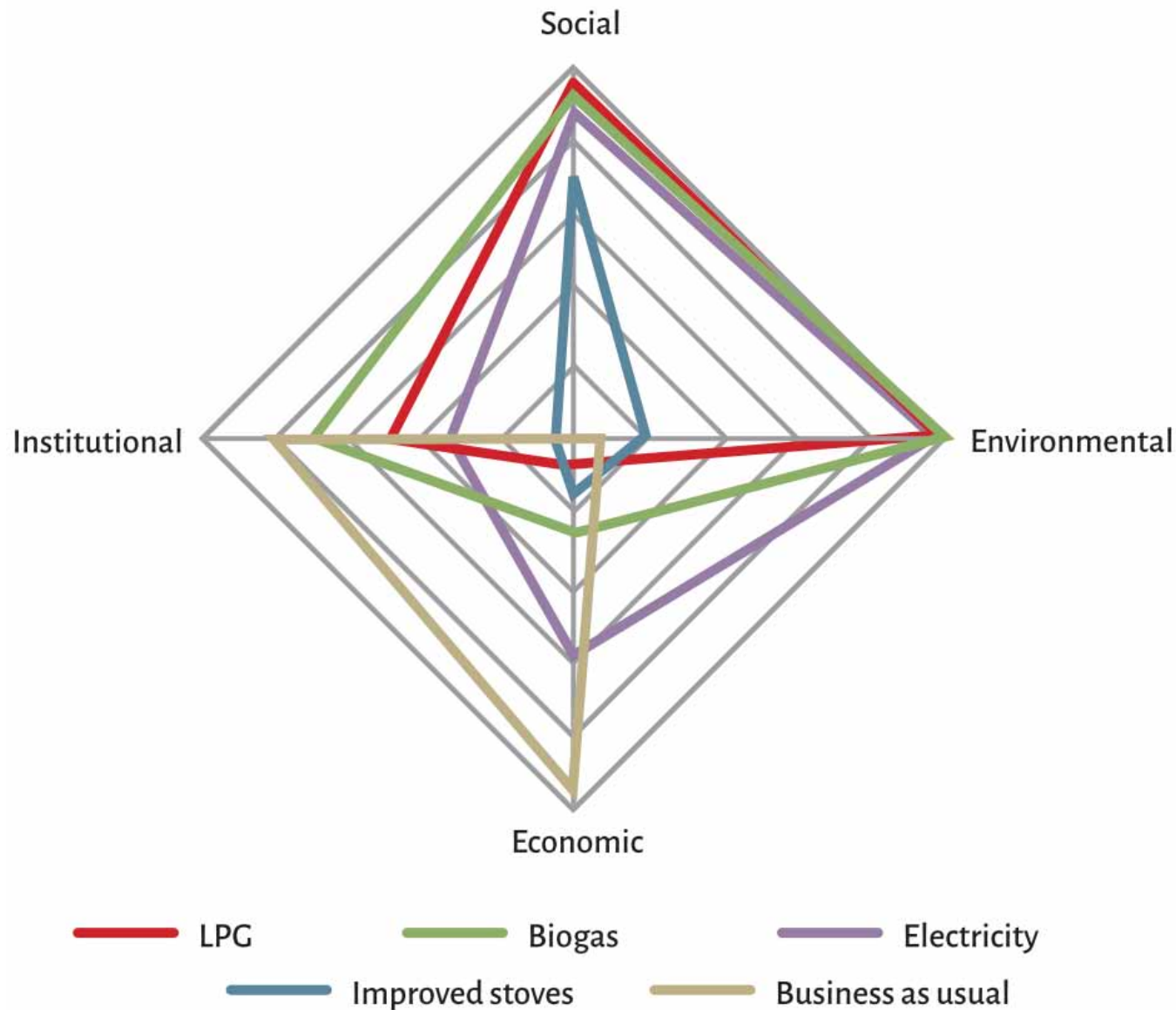
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Mapping of objectives



Evaluating across objectives



Challenges

- Institutions
 - Bureaucratic and institutional incentives
 - Creating or identifying appropriate forums
- Knowledge
 - How best to integrate different knowledges?
 - Data : need appropriate ex post accounting frameworks and case studies to draw from
- Process
 - Lack of capacity in holding participation
 - Coping with heterogenous stakeholders