Summary of Discussion During Cookstoves Breakout Session

Workshop on Short Lived Climate Forcers

Chapel Hill, NC

March 3-4, 2010

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KEY TOPICS

Emissions reduction opportunities and implementation strategies for residential cookstoves, mainly in developing countries

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1. In your view, **is it possible to identify priority mitigation options in this sector** for black carbon and ozone precursors, considering cost, technological feasibility, ease of implementation, and effectiveness? **If so, what are they?**
2. **How do the mitigation opportunities differ between world region** for this sector, considering the range of available options?
3. **What next steps – analyses, data, assessments, summaries – represent the low hanging fruit for clarifying policy mitigation options?** Considering efficacy, impacts, and benefits of mitigation options?
4. **What immediate follow-ups to this workshop** would you suggest?

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1. In your view, **is it possible to identify priority mitigation options in this sector** for black carbon and ozone precursors, considering cost, technological feasibility, ease of implementation, and effectiveness? **If so, what are they?**

    - There are promising options including truly better improved stoves and better fuels.
        - Need variety across cost and cultural needs
        - Must engage users and meet acceptability
        - Involve local institutions, organizations, businesses, policymakers
        - Different solutions for urban vs rural
    - Required: Technology, financing, distribution (fuel or stove), monitoring
    - Funding needed for rapid scale-up
    - Need alternative strategies to reach poorest
    - Develop local stove testing/design centers (happening)
    - Encourage businesses around modern and processed fuels
    - Need variety of different business models
        - e.g., Local production vs mass production

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2. **How do the mitigation opportunities differ between world regions** for this sector, considering the range of available options?

   - BC impacts particularly important near snow regions

   - Stove/fuel solutions to meet heating vs cooking needs will be different

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3. **What next steps – analyses, data, assessments, summaries – represent the low hanging fruit for clarifying policy mitigation options**? Considering efficacy, impacts, & benefits of mitigation options?
   - Define characteristics of a "better" solution (including stove and fuel)
     - Identify measures that maximize climate benefits
     - Matrix of stove/fuel standards
     - Required efficiency and emission improvements for a variety of situations
   - Estimate net effect on climate
     - BC/OC divisions, cryosphere impacts, clouds
     - Regional climate impacts may be more certain
     - GHG impacts are more certain
   - Identify ways to monitor effectiveness in reducing atmospheric concentrations
   - Field and lab testing of SLCFs
     - Identify required information
     - Speciation (BC, OC, BrC), SLCFs…
     - Ultrafine particles
     - Efficiency
   - Preliminary cost-benefit analysis
     - Health! Health! Health!

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4. **What immediate follow-ups to this workshop** would you suggest?

- Immediate steps: pursue each of the analyses and assessments noted under question 3

- Additional steps:
  - Build regional capacity for stove testing & design assistance centers
  - Integrated assessment models (health, climate, other)
  - Inventory of stove, fuel, cooking practices
  - Rigorous cost-benefit analysis