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-ICIMOD's Contribution

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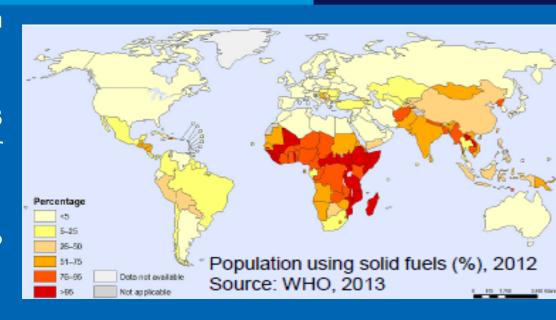
Biomass Energy

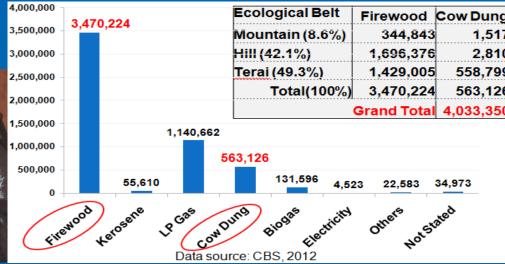
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- 2.7 billion people in world rely on solid biomass for cooking
- Out of 5.42 million HHs 4.03 million HHs use solid biomass for cooking in Nepal (CBS,2012)
- Globally 4.3 million die by IAP (WHO, 2014)
- Nepal More than 7,500 die annually are due to high IAP levels









Renewable energy program initiatives and challenges in Nepal



- Improved CookStoves introduced since 1950s
- Biogas introduced since 1980s
- Introduces solar cooking and electricity based cooking system
- Establishment of Alternative Energy Promotion Centre(AEPC) 1996
- Formation of Nepal Alliance Clean Cookstoves 2013

Challenges in Adoption

Technical Barriers
Institutional Barriers
Policy Barriers
Socio-economic barriers
Information barriers
Behavioral and Cultural factors

Key Renewable Energy Policies



- Key Renewable Energy Policies
 - Rural Energy Policy, 2006
 - Renewable Energy Subsidy Policy, 2013
 - Renewable Energy Subsidy Delivery Mechanism, 2013
 - Awareness on smokeless & fuel wood efficient ICS
 - Emphasis on research, development & dissemination (R,D&D) of household & institutional ICS suited to geographical & cultural needs
 - ICS technology transfer in rural areas

Clean cooking solution for all (CCS4ALL)

Announcement: "Clean Cooking Solutions for All 2017 thereby ensuring indoor air pollution free epal" (20 Jan 2013)

Formalization through GoN's Policy & Program for Y 2014/15: "Every household in Nepal will be ade Indoor Air Pollution Free bright household in ext three years"

GoN's Budget Speech for FY 2014/15: National rget of 800,000 ICS



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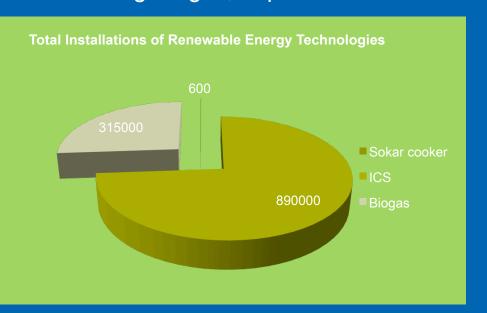
Nepal Alliance for Clean Cookstoves(NACC) is made active for coordinated efforts in achieving CCS4ALL goal

Way to 2017....

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- AEPC new programs and approach to meet 2017 target
- Promoting Biogas, Improved cook stoves and solar cooker



Declare 170 VDC as indoor as air pollution free VDC













"ICS is 1st choice to reach another ~3 million HHs!"

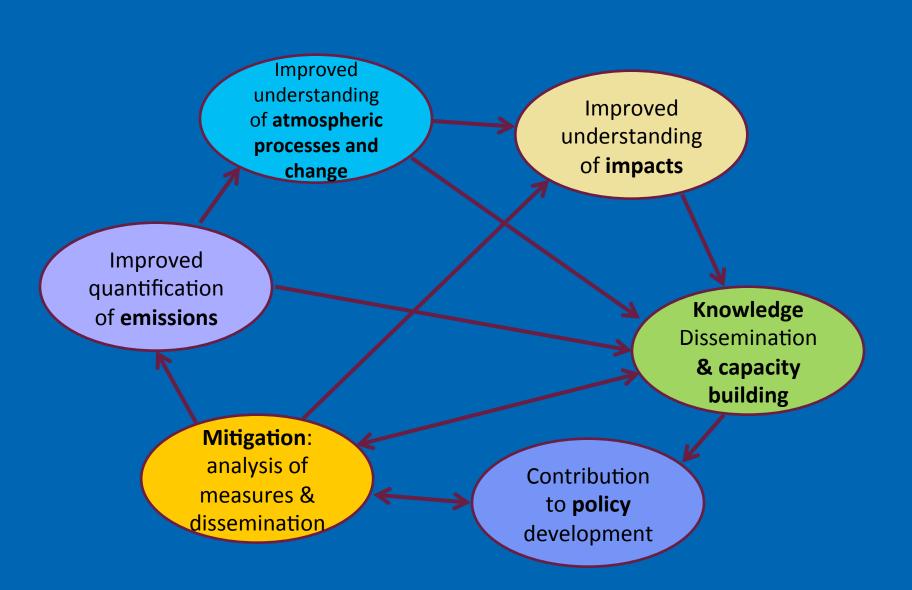
Implementation Focus



- Universal coverage through coordinated approach: collaboration with partners, stakeholders & initiatives with overlapping objectives
- Active engagement of all partners including private sector, DPs, Gos & I/NGOs
- Standardization of technology & procedures: national standard & benchmark for ICS & institutionalized stove testing
- Continuous R&D/adaptive research for technology improvement, contextualization & cost reduction
- Resource mobilization at all levels

The Atmosphere Initiative – Reducing the Impact of BC and other atmospheric pollutants

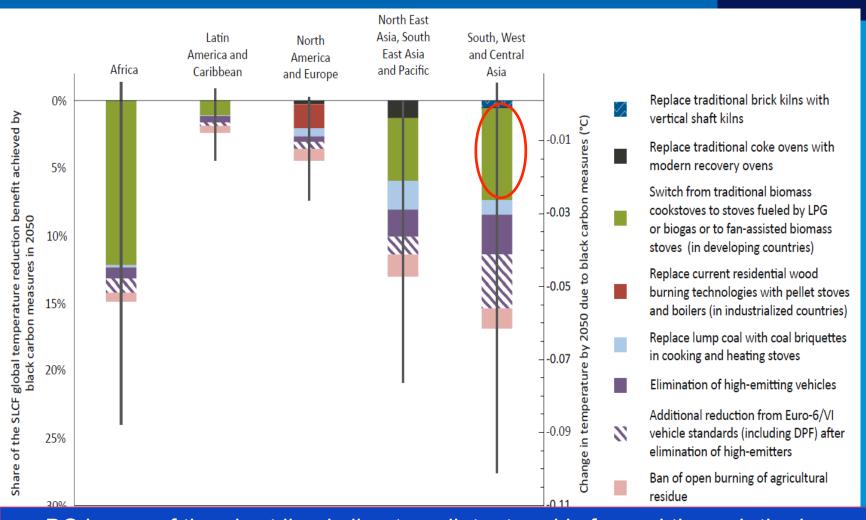




The share of global temperature reduction from black carbon measures



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BC is one of the short lived climate pollutant and is formed through the incomplete combustion of fossil fuel and biomass burning

Pilot study on Fan assisted ICS

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 2 very similar valleys, in Bajrabarahi (intervention) and Chitlang (control).

 Working with medical school to monitor health and local women's group to distribute best available fan-assisted biomass cookstove in 700 households of Bajrabarahi.

- Monitoring of indoor & outdoor air quality, and people's health Study
- User needs study Gender, cultural, social, economic and sustainability aspects of distributing manufactured fan-assisted cookstoves.
- Scalability: scalable through markets mechanisms.





Thank You

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Acknowledgement: AEPC