

Climate Change Community

About Solution Exchange

- Network of development practitioners with around 22,000 members
- Set up in 2005, now has 13 Communities
- Initiative of the UN Country Team
- Leverages the convening power, international reach and immense development experience of the UN.

Solution Exchange – an Initiative of the UN Country Team in India



Climate Change Community

13 Active Communities of Practice



Decentralization (*UNDP*)



Microfinance (*UNDP & ILO*)



Water (*UNICEF*)



ICT for Development (*UNESCO*)



Food & Nutrition Security (*FAO*)



Disaster Management (*UNDP*)



Gender (*UNICEF & UNWOMEN*)



Climate Change (*UNDP*)



Maternal & Child Health (*WHO*)



Karnataka Community (*UNICEF*)



AIDS (*UNAIDS*)



Education (*UNESCO*)



Work & Employment (*ILO*)

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Climate Change Community

Utility of Solution Exchange

- Mature medium focusing on cross cutting issues
- Respected by the development community for impartiality, quality and reach
- Proved its utility by:
 - Providing inputs for the 12th Five Year Plan approach paper
 - Formation of District Collector's Network and Gujarat Tribal Empowerment Network
 - Providing programmatic inputs to the government and donors

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Climate Change Community

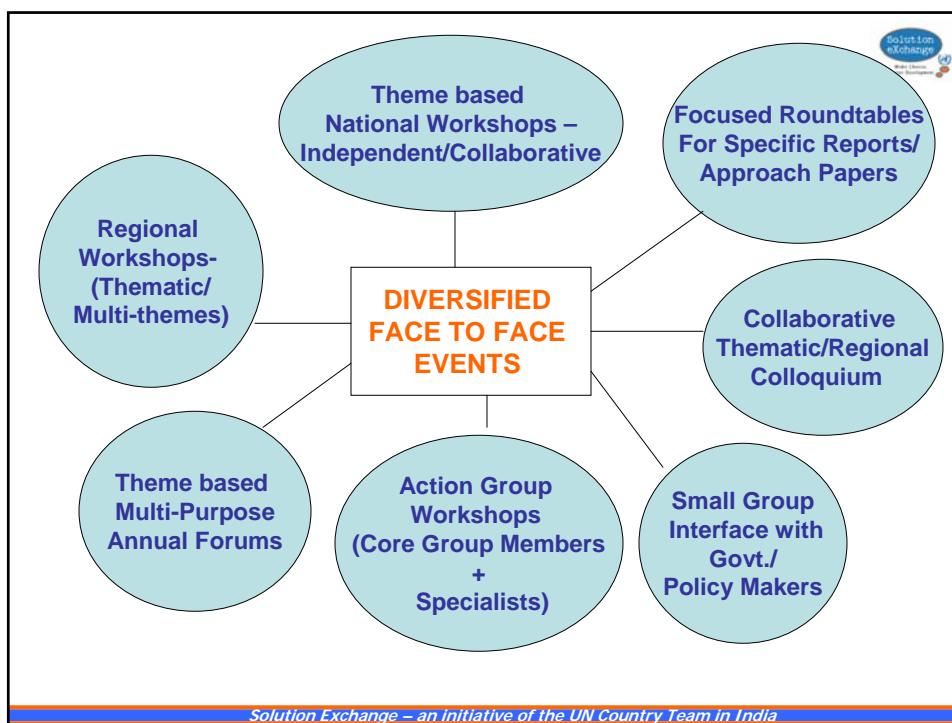





About the Climate Change Community

- Community Launched in July 2009
- Hosted by UNDP
- 42 Consolidated Replies and 17 Community Updates released
- Three action groups under various stages of implementation.
- Membership 2000 + including :
 - Field practitioners, activists
 - Planners, policy analysts
 - Academicians, researchers
 - Government, NGOs, Corporate groups
 - Bi-lateral and multi-lateral organizations

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Climate Change Community

Activities related to Energy Efficiency in SMEs

- **Business Model for Scaling up Climate Responsive Technologies :**
 - Planters Energy Network (PEN) provides low-cost, non-fossil fuel based methodologies for processing fruits, fish and preheating for many industrial products and leather in SMEs.
 - Thermal Gasifiers under license from TERI adopted for various uses like aluminum billet heating, puffed rice (*Poha*) making, food processing units etc.
- **Improving Energy Efficiency through Standards & Labeling (S&L) Program shared experiences and examples of:**
 - UNDP's regional program on S&L transforming the market of electrical appliances throughout Asia.
 - UNESCAP's guide book on energy efficiency giving an overview of Energy Labeling programs with emphasis on SMEs.

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Activities related to Energy Efficiency in SMEs

- **Rural Electrification and Decentralised Distributed Generation :**
 - Decentralized power generation in rural areas could be provided by SMEs.
- **Discussion on Compendium on Climate Responsive Technologies included suggestions on:**
 - Sources of information on renewable and energy efficient technologies for SMEs.
 - Suggestions on important parameters to be utilized for including technologies in the compendium.



Activities related to Energy Efficiency in SMEs

- **Encouraging Low Carbon Lifestyle :**
 - Steps to reduce carbon footprint of SMEs.
- **Promoting Eco-products and Eco-labeling in India :**
 - Learning from the “Standards & Labeling” program of the Bureau of Energy Efficiency (BEE).
 - Examples of eco-labels benefiting industries and SMEs in other countries.
- **ICT Enabled Energy Efficiency and Carbon Abatement Projects :**
 - Use of Building Management System (BMS) controlling and monitoring mechanical and electrical equipment energy use.



Action Plan of C.C. Community for SMEs through Energy Efficiency

- Posting sector specific queries on Energy Efficiency.
- Documenting successful pilot EE projects of UNDP for scale up.
- New Action groups on topics of strategic importance to the SMEs in the following thematic areas:
 - Bundling of CDM projects.
 - Low Carbon Practices.
- Disseminating Lessons learnt from Projects of E&E Unit, UNDP regarding energy efficiency
- Capacity Building through training program on Energy Efficiency based on relevant knowledge products.
- Providing Knowledge Products on acquiring Product Certifications



Knowledge sharing from Projects of E&E Unit, UNDP

- Access to Clean Energy
 - Information on mainstreaming clean energy devices in SMEs.
 - Case studies for scaling up of successful models.
- Access to Energy – enhancing effectiveness in electricity distribution and end uses
- Removal of Barriers to Biomass Power Generation in India
 - Guidance on removal of barriers to biomass power generation.
 - Sharing techno-economic feasibility study on utilization of engine exhaust for heating and/or cooling.



Knowledge sharing from Projects of E&E Unit, UNDP

- **Energy Efficiency Improvements in the Brick Industry**
 - Information on fly-ash brick technologies and removing barriers to their implementation.
- **Achieving Reduction in GHG Emissions through Advanced Energy Efficiency Technology in Electric Motors**
 - Information sharing on technology for high-pressure copper die-casting.
 - Sharing field study results of motor performance for textile application etc.
- **Energy Conservation in the Tea Sector**
 - Guidance note on energy audit and implementing its recommendations in tea sector for saving up to 20% of electrical and thermal energy.
 - Sharing best practices from successful energy efficiency projects implemented in 70 factories.



Knowledge sharing from Projects of E&E Unit, UNDP

- **Energy Efficiency in Steel Re-Rolling Mills**
 - Information on nine energy efficient technologies for SME steel units.
 - Monitoring and evaluation methodology for quantification of GHG emissions.
 - Benchmarking of economically viable energy efficient technologies.
 - Training Material on implementing energy efficiency in SME steel units.
 - Dissemination of Lessons Learnt



Conclusions

- Climate Change Community with over 2000 members from India and abroad is an ideal platform for knowledge sharing amongst SMEs
- We have released a number of Consolidated Replies highlighting Energy efficiency Potential in SMEs.
- The Community is being utilized to disseminate the best practices and experiences that have resulted from E&E Unit Projects
- Joint Programmes with other relevant Communities of Practice of Solution Exchange will be conducted for benefit of SMEs. Some are already in Progress.
- Continue to Leverage the convening power, international reach and immense development experience of the UN for the benefit of SMEs.



THANK YOU

