



GSEP Cool Roofs and Pavements Working Group
Working Session Summary
October 3rd, 2012



The Cool Roofs and Pavements Working Group convened its 2nd Working Session on October 3rd, 2012 in New Delhi. A list of participants and interested parties is included on page 3.

2012 Review

The Working Group agreed to the following objectives at its 1st Working Session in September 2011.

Objective	Activities
1. Collect information and tools of existing Working Group partners in an accessible repository. Draft case studies and identify best practices of cool roof and pavement development efforts.	<ul style="list-style-type: none"> Launched Cool Roofs Toolkit and Knowledge Base at www.CoolRoofToolkit.org.
2. Promote cool roofs and pavements and identify/develop local champions to drive development and implementation.	<ul style="list-style-type: none"> Developed partnerships with local government networks (C40, R20). Supported launch of SUCCEED, a nonprofit focused on cool roofs and sustainable building in India.
3. Develop projects with partners to demonstrate the efficacy of cool roofs and pavements.	<ul style="list-style-type: none"> Undertook cool roof pilot project on affordable housing in India. Planned pilot projects in Mexico as part of Cool Roofs Action Plan.
4. Provide technical assistance to develop code infrastructure.	<ul style="list-style-type: none"> Initiated cool roofs impact study in Mexico. Supported development of a Cool Roofs Action Plan in Mexico. Launched a cool codes collaborative to advocate for clearer and more stringent cool roof language in codes, standards, and ordinances.

Working Group Objectives

The GSEP Cool Roofs and Pavements Working Group collaborate at the local, regional, national and multinational level to accelerate development and deployment of cool roofs and pavements. Where feasible, the Working Group seeks to incorporate cool roofs and pavements into existing programs, protocols and organizations.

For purposes of this working group, cool roofs refer to highly reflective and emissive materials, coatings and technologies installed on or applied to roofs. Cool pavements include light-colored and/or permeable materials and technologies applied to any paved surface.



Working Group 2013 Initiatives and Next Steps

The Working Group agreed to pursue several activities in 2013 in support of its objectives.

1. *Convene a technical working subgroup* – Interested Working Group participants will form a subgroup to discuss and address technical issues that are common across countries. The Working Group identified the following early areas of interest: (1) Developing a consistent definition of “cool,” (2) Creating a standard list of necessary lab equipment and instrumentation, (3) Addressing the r-value equivalence issue, (4) Harmonizing existing cool roof calculators, (5) Sharing cool roof model assumptions, including base building assumptions.

Next Steps:

- a) Schedule an organizing call with interested parties. Agree on a work plan.
 - b) Prepare a white papers or briefs for each of the work items selected by the technical working subgroup.
2. *Continue build-out of online cool surface knowledge base* – The Working Group agreed to continue to add existing cool surface resources, websites, and other materials to the knowledge base. It also recommended adding a searchable list of cool surface project descriptions in member countries.

Next Steps:

- a) Working Group members will provide relevant materials to be uploaded and disseminated via the knowledge base.
 - b) Kurt Shickman will create a template for providing information on cool surface projects and share it with the Working Group.
 - c) Working Group will work with local stakeholders to provide information on cool surface projects via the template.
3. *Explore development of a standard impact analysis methodology for cool surfaces* – Identify the opportunities to standardize existing impact analysis methodology to facilitate replication in other countries/regions.

Next Steps

- a) Draft a review of the impact analysis plan developed by Mexico for the Working Group to assess the capacity to replicate the plan.
4. *Develop outreach materials to raise awareness of cool surfaces* – The Working Group identified a need to raise awareness of cool roofs amongst the general public and with building/construction professionals.

Next Steps



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- a) Gather and survey existing training programs, curricula, informational materials and other tools used to raise awareness of cool roofs/pavements to the general public and professionals.
- b) Identify gaps in awareness/understanding of cool surfaces (i.e., conceptual, economic case, maintenance etc.)
- c) Convene sub group to develop materials and priority topics.

Participants

The following individuals attended the Working Session. Please note that this list excludes active Working Group participants who were unable to attend in person.

First	Last	Organization
Sanjay	Bahadur	Pidilite
Anil	Bakshi	Consultant
Wolsey	Barnard	Energy Department of SA
Barry	Bredenkamp	National Energy Efficiency Agency
Pratibha	Chaudhari	Eco3 Design
RY	Chaudhari	Novata Industries
Rajeev	Dar	Voice of Himachal
Roshani	Engineer	Adriya Designs
Jalpa	Gandhi	IIIT-H
Vishal	Garg	IIIT - Hyderabad
Neetu	Jain	Panache
Anand	Jain	Pidilite
Gopala	Krishna	GCCA
Ignacio	Martin Dominguez	CIMAV
Rajesh	Mathur	Shrinathji Institute of Technology and Engineering
Akanksha	Modi	Architect
Pradeep	Nair	C40
Graham	Pugh	DOE
Mahesh	Rajasekar	Taru
A.V.	Ramamoorthy	Swepco
SA	Rathish	IIIT-H
Francisco	Rubin	ANAFAPyT
Bipin	Shah	WinBuild
Kurt	Shickman	Global Cool Cities Alliance
Graziella	Siciliano	DOE
Usha	Sunil	US Embassy
Toshiya	Takahashi	Japan Paint Manufacturers Association
Pawan	Tibrawalla	Greenbuild energy consultant



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More Information

Additional materials, including presentations from the Working Session can be [downloaded here](#). For more information, please contact Kurt Shickman of the Global Cool Cities Alliance (kurt@globalcoolcities.org) or Graziella Siciliano of the U.S. Department of Energy (Graziella.Siciliano@hq.doe.gov).