

# India-California Air-Pollution Mitigation Program (ICAMP)

*Initiative for Air Mitigating Pollution from the Transportation Sector*

## **Co Chairs**

R.K. Pachauri (India), M. Nichols (USA), & V. Ramanathan (U.S.A.)

## **Sponsor**

The World Bank  
Washington, D.C.

## **Core Institutions**

The Energy and Resources  
Institute (TERI), New Delhi, India  
University of California, San  
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California Environmental  
Protection Agency, Air Resources  
Board

Okapi, Chennai, India

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Center for Environment and  
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The ABC Project, United Nations  
Environment Programme, Nairobi

## **ICAMP Secretariats**

The Energy and Resources Institute  
(TERI)

Sumit Sharma

Email: [sumits@teri.res.in](mailto:sumits@teri.res.in)

Phone: (11) 24682100

Scripps Institution of  
Oceanography, UCSD

Ambassador Reno Harnish

Email: [rharnish@ucsd.edu](mailto:rharnish@ucsd.edu)

Phone: (858) 534-2542

**Policy Conclave on reducing vehicular emissions to improve air quality**

**Date: 4th– 5th Feb 2014**

**Venue: Mumtaj hall, Hotel Taj Palace, S.P. Marg, New Delhi**

**Day 1: 4th February 2014**

<p>10:00-10.45 a.m. <b>Inaugural Session-I</b></p>	<p><b><u>Nexus between Environmental Protection and Economic Development</u></b></p> <ul style="list-style-type: none"> <li>• Shri Oscar Fernandes, Honorable Minister of Road Transport and Highways (TBC)</li> <li>• Dr. R.K. Pachauri, DG , TERI : Vision for India</li> <li>• Dr Ken Alex (Director, Governor's Office of Planning and Research, California): California Aspirations</li> </ul>
<p>11.05 a.m. – 1.00 p.m. <b>Inaugural Session-II</b></p>	<p><b>I. <u>Knowledge to Action Plan (KAP) for the Transportation Sector</u></b></p> <ul style="list-style-type: none"> <li>- Prof. V. Ramanathan (Science)</li> <li>- Prof. S Sundar (Technology and Governance Perspective)</li> </ul> <p><b>II. <u>Response to KAP</u></b></p> <ul style="list-style-type: none"> <li>- What can be done in India now and this decade: Mr R. K. Singh, JS, MoPNG,</li> <li>- What was done in California and how? Dr A. Lloyd</li> <li>- What are the aspirations and capabilities in the individual states? <ul style="list-style-type: none"> <li>- Gujarat (Mr H K Dash, Additional Chief Secretary)</li> <li>- Uttarakhand (Dr Umakant Panwar, Secretary, Transport)</li> <li>- Karnataka (Mr. P. Ravi Kumar, Secretary, Transport)(TBC)</li> <li>- Tamil Nadu (Mr Phanindra Reddy, Secretary, Municipal Administration)</li> </ul> </li> </ul>
<p>2.15 -4.00 p.m.</p>	<p><b><u>Regional and Local Nature of Air Pollution and Targeting Mitigation</u></b></p> <p><b>Chair : Dr. V. Rajagopalan (Secretary, MoEF)(TBC)</b></p> <ul style="list-style-type: none"> <li>• Vehicular pollution and air quality in India <ul style="list-style-type: none"> <li>○ Dr. Prashant Gargava, CPCB (MoEF)</li> <li>○ Joshua Apte, Energy and Resources Group, UC</li> </ul> </li> </ul>



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	<p>Berkeley</p> <ul style="list-style-type: none"> <li>• Extreme pollution events, more emissions and rising fog <ul style="list-style-type: none"> <li>○ Dr. Gufran Beig (IITM, Pune)</li> </ul> </li> <li>• Effect of different interventions on air quality in Indian cities <ul style="list-style-type: none"> <li>○ Mr Sumit Sharma, Fellow, TERI</li> </ul> </li> <li>• Agricultural impacts <ul style="list-style-type: none"> <li>○ Dr S D Ghude (IITM, Pune)</li> </ul> </li> <li>• Air pollution impacts on regional weather and climate: <ul style="list-style-type: none"> <li>○ Dr D. Ganguly, IIT- Delhi</li> </ul> </li> <li>• Observations and monitoring needs <ul style="list-style-type: none"> <li>○ Prof. S.N. Tripathi, Department of Civil Engineering, IIT, Kanpur</li> </ul> </li> </ul>
4.00 p.m. – 5: 30 p.m.	<p><b><u>Improving fuel quality, vehicular technologies, fuel efficiency in India</u></b></p> <p><b>Chair : Mr. R.K. Singh (JS, MoPNG)(TBC)</b></p> <p><b>Discussant : Dr. Durwood Zaelke, President (IGSD)</b></p> <ul style="list-style-type: none"> <li>• Green Freight: A Voluntary Energy Efficiency and Emission Reduction Program in China <ul style="list-style-type: none"> <li>○ Dr. Ke Fang, Lead Transport Specialist of South Asia, World Bank</li> </ul> </li> <li>• Auto industry preparedness for advancement of vehicular technologies &amp; fuel efficiency in India <ul style="list-style-type: none"> <li>○ Mr I. V. Rao, Co Chair SIAM National &amp; International Council</li> </ul> </li> <li>• Technological improvements to reduce emissions and improve efficiency in the HDV Sector <ul style="list-style-type: none"> <li>○ Dr. V. Sumantran, Ashok Leyland Limited (TBC)</li> </ul> </li> <li>• Summary of discussions over Auto Fuels Policy &amp; opportunities to tighten it: <ul style="list-style-type: none"> <li>○ Dr Leena Srivastava, TERI University (TBC)</li> </ul> </li> <li>• Financing Cleaner Fuel <ul style="list-style-type: none"> <li>○ Dr. Anurag A. Gupta, IOCL</li> </ul> </li> </ul>



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**Day 2: 5th February 2014**

**Venue: Roshnara Hall, Hotel Taj Palace, S.P. Marg, New Delhi**

10:00 a.m. - 1:00 p.m.	<b><u>Urban transport and mobility</u></b> <b>Chair : JS (MoUD)</b> <b>Discussant : Dr Ken Alex (California Government)</b> <ul style="list-style-type: none"> <li>• Issues and concerns in India <ul style="list-style-type: none"> <li>○ Prof. S. Sundar (TERI)</li> </ul> </li> <li>• Issues and concerns in CA <ul style="list-style-type: none"> <li>○ Dr Alan Lloyd (Ex CARB and ICCT)</li> </ul> </li> <li>• Governance issues in transport sector in India <ul style="list-style-type: none"> <li>○ Dr. Jessica Seddon, Okapi Research &amp; IIT-M Ctr for Technology &amp; Policy</li> </ul> </li> <li>• Improving quality of public transportation and support for non-motorized transport. <ul style="list-style-type: none"> <li>○ Prof. Dinesh Mohan, IIT-D</li> </ul> </li> <li>• Discussion</li> </ul>
1:00 p.m. - 2:00 p.m.	Lunch
2:00 p.m. - 4:00 p.m.	<b><u>Other interventions for Vehicular Emission Control</u></b> <b>Chair : Mr. H.K. Dash (Gujarat)</b> <b>Discussant : Ambassador Reno Harnish</b> <ul style="list-style-type: none"> <li>• Improving inspection and maintenance systems in India <ul style="list-style-type: none"> <li>○ Mr. Nitin Gokarn, NATRIP</li> </ul> </li> <li>• Congestion management <ul style="list-style-type: none"> <li>○ Dr. K Ravinder, CRRRI</li> </ul> </li> <li>• Travel demand management <ul style="list-style-type: none"> <li>○ Mr. Abhay Bakre, PCRA</li> </ul> </li> <li>• Role of Low Carbon Fuel Standard in reducing transportation emissions <ul style="list-style-type: none"> <li>○ Sonia Yeh (UC Davis)</li> </ul> </li> <li>• Discussion</li> </ul>
4:00 PM- 5:30 PM	<b><u>Valedictory session</u></b> <b>Chair : Mr. Vijay Chhibber (Secretary, MoRTH) (TBC)</b> <ul style="list-style-type: none"> <li>• Finalizing recommendations for KAP : Prof. Ramanathan and Prof. Sundar</li> </ul>



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**6<sup>th</sup> Feb DSDS**

Chair: Prof. V. Ramanathan

ICAMP statement for DSDS : Dr. R.K. Pachauri

Panel on the Podium: Prof. P. Khosla, Prof. S. Sundar, Mr R.K. Singh

