



CERC – ENVIS Centre

Consumer Education and Research Centre

“Suraksha Sankool”, S. G. Highway, Thaltej, Ahmadabad – 380 054

Tel: 079-27489945/46, 27450528, 27438752/3/4

Fax: 079-27489947 Email: cerc-env@nic.in, cerc@cercindia.org

Website : www.cercenviis.nic.in, www.cercindia.org



Science Express Climate Action Special (SECAS)

Science Express is a unique science exhibition on a 16-coach, fully AC train, traveling across India. The exhibition conveys a strong message about climate change. Students can participate in the Joy of Science (JOŠ) lab in small batches of up to 20 students by prior registration. Visitors encouraged to participate in various programmes. It intends to contribute towards increasing the understanding of the science of climate change, the observed and anticipated impacts and possible responses.

Science Express is arriving at our nearest railway station and will be stationed at **Gandhinagar** on **05 - 07 May 2016**.

The broad theme covered in each exhibition coach is as follows:

Coach 1: Understanding Climate Change - Insights in the climate as a system, the greenhouse gas effect and the underlying reasons for climate change with key message that the current change in the climate is due to human activities.

Coach 2: Impact of Climate Change - How temperature rise, monsoon variations, sea level rise are predicted to affect vital sectors like water, agriculture, forests and biodiversity, and human health and ways to reduce these.

Coach 3 & 4: Adaptation - Concepts of adaptation and examples from day to day life, adaptation strategies and stories from field. Adaptation options in urban and rural contexts and the adaptation actions India is taking.

Coach 5 & 6: Mitigation - Concept and definition with examples, emphasis on restoring balance, enhancing sinks and reducing emission through Renewable Energy (RE) technologies. Various programmes implemented by India and low carbon strategies and ambitious goal to increase RE footprint.

Coach 7: International Negotiations on Climate Change - Introduction to UNFCCC, IPCC and internationally agreed action & targets. Explaining concept of equity and common but differential responsibility, Kyoto protocol & other key outcomes of major COP, etc.

Coach 8: Handprint - What can one do at school, on roads, at home and in offices and focus on concept of lifestyle choices with the key message 'Increase your Handprint. Decrease your Footprint'.

Coach 9 & 10: Exhibition put up by the Department of Biotechnology (DBT), Govt of India, covering themes like Biotechnology for bio-resources and nature conservation with emphasis on Tiger Conservation and Chemical Ecology and India's research and development initiatives in field of Biotechnology.

Coach 11: Exhibition put up by the National Innovation Foundation (NIF) showcasing select innovations, demonstrating the ingenuity of common people and an innovative project which uses augmented reality techniques. Exhibition on themes like Innovations in Š&T, Science Education, DST Šcholarships & Šchemes, Careers in Š&T, etc.