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Name: _____
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(Signature of the delegate)

National Conference on

Science of Climate Change and Earth's Sustainability : Issues and Challenges

'A Scientists-People Partnership'

(Lucknow, September 12-14, 2011)



Organized by

**The Society of Earth Scientists
India**

Preamble

Objective : Global climate change, considered to be one of the most serious threats to the environment, has been at the centre of scientific and political debate in recent years. Climate change is no longer a myth and it needs an interdisciplinary approach to understand the impacts and to develop mitigation strategy in particular reference to the Indian scenario. The three day National Conference will look into the scientific and social challenges as well as implications of climate change on sustainability of environmental and natural resources. It aims to deliberate on the opportunities and challenges to the emerging global scenario of natural resource management with special reference to Indian Sub-continent. Eminent Speakers and Experts in the field of Climate Change, Earth and Atmospheric Sciences, Environmental Sciences, Energy and Economics will suggest long-term strategies for aligning environmental, social and economic goals of sustainability. Discussions will be held on environmental management strategies available to them and how these can be used to gain long-term competitive advantage. One of the major objective of this Conference would be to initiate a multi-disciplinary approach to understand the regional and global forcing functions of climate change and response of natural systems and then to develop India-centric strategies for mitigation and adaptation.

Scientists People Partnership: The conference is being organized on *Scientists-People Partnership* basis wherein invited distinguished scientists, delegates and guests are proposed to participate in people awareness drive- tree plantations to support 'Green India' (Govt. of India) and 'Green Earth' (SES) campaigns, interaction with students and exhibition on 'Green Energy' in addition to scientific deliberations.

The Society of Earth Scientists (SES)

The Society of Earth Scientists was constituted during the International Year Planet Earth - 2008 to bring scientists of all the domains of earth sciences at a single platform to interact, communicate and share the information, achievements and researches with their fellow scientists across the Globe. SES also launched an open access quarterly e-journal- Earth Science India- www.earthscienceindia.info publishing peer-reviewed primary research/review papers from all the domains: geophysics, geology, atmospheric science,

oceanography, soil, energy and environmental science in English language. It also publishes popular articles, gallery of photos of geo-scientific interests, News items etc.

Themes

- ★ **Science of Earth's Climate System and Related Processes :** In recent years, the emphasis on understanding the exogenic and endogenic processes operating on Earth have moved towards adopting a more holistic view of the Earth as a system comprising of lithosphere, biosphere, hydrosphere and atmosphere. The most important example of integrated Earth's system is its climate changes through geological time scale system palaeoclimate, quaternary and recent climatic studies.
- ★ **Human Impacts and Natural Resource Management :** The issue of global climate change due to human intervention and its impact on socio-economic and natural resources has become a major concern. Similarly, the impact of climate change in different parts of the world would also be different, primarily a function of socio-economic conditions and existing regional climatic regime.
- ★ **Sustainable Agricultural Productivity, Energy Management :** The relationship between climate change and agriculture is two-way; agriculture contributes to climate change in several major ways and climate change in general adversely affects agriculture. Depletion of existing energy resources vis-a-vis increasing demand and use of renewable resources need proper planning and management.
- ★ **Restoration of Degraded Ecosystems :** The potential changes in climate are likely to have important regional consequences on biota and ecosystems. Ecological restoration, including (re)-afforestation and rehabilitation of degraded land, is included in the array of potential human responses to climate change.
- ★ **Governance, Economics and Policy of Climate Change :** Economic and policy aspects of climate change have become central to foreign policy and international relations of several countries. A critical need remains for coordination and collaboration amongst various disciplines of science, engineering and technology directed to climate change mitigation and adaptation strategies.

Target Groups

- ★ Scientists, Academicians and Research Scholars
- ★ Policy Makers from Government Agencies
- ★ Social Sector Managers/Officials from NGOs

Registration Fee Rs. 500/- (Rs. 200/- for Students and Research Scholars) covering conference lunch/ refreshments and certificate of participation. The cost of local stay and transport would be borne by the participants. Registration fee may be paid by demand draft drawn in favour of "The Society of Earth Scientists" payable at Lucknow along with the completed registration form.

Programme

- ★ Registration September 12, 2011 (8:00 A.M. onwards)
- ★ Inauguration- September 12, 2011 (10:00 A.M.)
- ★ Technical Sessions- September 12, 13 and 14, 2011
- ★ Valedictory Function- September 14, 2011 (4:00 P.M.)

Venue Lucknow (Venue in Lucknow will be informed to participants).

Abstract Submission All those interested to present the paper in the conference on related themes need to submit the abstract (about 500 words) to the Organizing Secretary latest by May 15, 2011 by Email. Abstracts will be peer-reviewed and only approved papers will be allowed for oral presentation. Poster presentations will also be arranged on the conference venue.

Publication of Proceedings All are requested to submit full papers by July 15, 2011 positively. The proceedings of the conference will be published as a Special Publication of The Society of Earth Scientists Series by Springer-Verlag.

Patron

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Government of India

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