



Name and address of Organizations

Alexander von Humboldt Foundation (AvH)

Jean-Paul-Str. 12
53173 Bonn, GERMANY
&

Institute for Social and Economic Change (ISEC)

Dr. V.K.R.V. Rao Road, Nagarabhavi
Bangalore - 560 072, INDIA

Activities of the Organisations / Institutions

The AvH promote academic cooperation between excellent scientists and scholars from abroad and from Germany and promote research and development activities.

ISEC is All-India institute of interdisciplinary research and training in social sciences with its mandate - to generate knowledge and provide information to improve the quality of policy-making and to serve as a centre for advanced research and training. (www.isec.ac.in)

Patron

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Conference Convener (International Humboldt Kolleg)

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Registration Fee

General : ₹ 2,000/-
Students: ₹ 500/-

For details please contact:

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60th Anniversary of diplomatic relations between
Federal Republic of Germany and India

Germany and India - Infinite Opportunities

International Humboldt Kolleg
REGIONAL AND EXPERT INTERNATIONAL CONFERENCE
on

Adaptive Management of Ecosystems: The Knowledge Systems of societies for ADAPTATION and MITIGATION of impacts of CLIMATE CHANGE

International workshop
Indo-German Partnering Workshop on Climate Change

Panel discussion
Ethical Analysis of Global Climate Dilemma! How to solve?

19 October 2011 – 21 October 2011 | ISEC, Bangalore



**Institute for Social and
Economic Change**

Dr. V.K.R.V. Rao Road, Nagarabhavi
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Adaptive Management of Ecosystems: The Knowledge Systems of societies for ADAPTATION and MITIGATION of impacts of CLIMATE CHANGE

Climate change can be viewed as one of the most critical environmental problems ever to confront us as it is most immediately and inextricably linked to human well-being, socio-ecological development and economic growth. **The International Humboldt Kolleg aims to:**

- ◆ Provide more meaningful ideas that help and support India's efforts to handle climate change and particularly implementation of Millennium Development Goals. Further it is essential to understand the plans and strategies of the German Government and multiple constituencies in respect of climate change and the various related programmes to fight against climate change and poverty reduction.
- ◆ Promote effective two-way communication channels to enable the researchers to engage with integrated interdisciplinary research towards poverty reduction and sustainable development
- ◆ Establish an interdisciplinary research network for integrated research towards developing suitable strategies for sustainable flow of ecosystem services and economics of natural resource management, biodiversity conservation and sustainable livelihood under changing climate.
- ◆ Discuss the issues related to traditional rights and aspirations of people who are living in harmony with nature in forested landscapes for overall socioecological development under changing climate dilemma.

Themes and topics for the international conference

(Tentative)

Session 1 Socio-ecological Systems: Concepts, Data and Methodological Issues in Climate Research

- ◆ Emerging trends in theory and philosophy
- ◆ Applications and integration of interdisciplinary knowledge in Climate Science
- ◆ Data constraints and availability
- ◆ Methodological issues
- ◆ Gender, Environment and Climate Change

Session 2 Biodiversity Conservation, Sustainable Development and Climate Change

- ◆ Sustainability Indicators & Biodiversity Conservation
- ◆ Valuation of ecosystem services in natural and social science perspective and climate change
- ◆ Climate Change in view point of developing country perspective (examples- some case studies and traditional ecological knowledge in adaptation and mitigation)
- ◆ Green Taxes - Carbon Credits and Low carbon high growth
- ◆ Climate change in view point of developed country perspective (examples - some case study and ex-ante simulation)

Session 3 Sustainable Development, Equity and the Environment, Environmental Governance

- ◆ Development - Environment relationship
- ◆ Urbanization and Environment
- ◆ Low Carbon - High Growth How to achieve
- ◆ Energy, Environment and Development
- ◆ Diffusion of Innovations in Climate Change Research

Session 4 Natural Capital: Resource Use and Management for Sustainable Livelihood; Global Climate Change, Mitigation and Adaptability

- ◆ Livelihood options and coping mechanisms in developing and developed world
- ◆ State of art concerning management of forests, water, land use and other natural resources
- ◆ Roles of biological and cultural-diversity in climate change mitigation
- ◆ Global Public Goods, Inequality and Institutional Change / Poverty and Climate change
- ◆ Vulnerability to Climate Change and Planned Adaptation: Data Requirements and Gaps in India



Session 5 Human-Environment Interactions in Land Use Systems Under Climate Change and Bio-Economy

- ◆ Monitoring and modeling of anthropogenic stressors in land use systems and their effects on landscape structure and environmental processes.
- ◆ Evaluation of the sensitivity of present land use systems to climate change land use modeling and ex-ante analysis.
- ◆ Development of adapted land use systems in view of future climate change.
- ◆ Bio-economy and sustainable land use development.
- ◆ The future role of technological development in agriculture and pollution control.

Session 6 Pollution, Energy, Vulnerability, Adaptation and Climate Change

- ◆ Water and Air pollution / Technological development in agriculture and pollution
- ◆ Carbon budgeting: Practical approach
- ◆ Role of renewable energy and financing
- ◆ Gap between climate science and current climate cuts
- ◆ What do the knowledge system of the societies (science and TEK) show?

Panel Discussion Ethical Analysis of Global Climate Dilemma! How to solve?

Workshop on

Indo-German Partnering Workshop on Climate Change

- ◆ India's efforts to handle the climate change
- ◆ Strategy of the German Government in respect of climate change and the various climate programme
- ◆ Interactive Discussion: Linking India's efforts with global issues and German efforts in mitigating the threat related to climate change
- ◆ Millenium Development Goals, especially the fight against poverty and sustainable development
- ◆ Adaptive Management of Ecosystems: The Knowledge Systems of societies for adaptation and mitigation of impacts of climate change