



INDIAN SOCIETY FOR EARTH, PLANETARY AND ENVIRONMENTAL SCIENCES (ISEPES)

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GEO-SPECTRUM INTERFACE – A Journal of Earth, Planetary and Environmental Sciences
(Publication of ISEPES)

CIRCULAR

National Programme on E-Geology Teaching and Learning

- **Preamble**

The General Assembly of the United Nations unanimously adopted a resolution tabled by the United Republic of Tanzania and co-signed by 82 nations, to proclaim 2008 as the International year of Planet Earth (IYPE). This UN year will be the core of a triennium, starting in 2007 and continuing until the end of 2009. It is a joint venture of the International Union of Geological Sciences (IUGS) and former Earth Science Division of UNESCO. The main thrust of this year is to highlight and create awareness and research on ten socially relevant themes viz., **groundwater, health, climate, hazards, resources, megacities, ocean, soil, deep earth and life**. IYPE is being celebrated world wide at a juncture when our planet earth is at a crucial phase to chalk out solutions to acute problems like safe drinking water crisis in rural and urban sectors, rapid degradation of the environment and global warming, energy crisis, resource management in the context of over population in different countries including India i.e. about 110 crores .

The sole objective of application of **Earth System Science for Society** initiated by **Dr. Eduardo. F.J.De. Mulder**, Chair, Board of Officers of International Year of Planet Earth, his team members, organizers of national committees of different countries with much enthusiasm and seriousness shall definitely culminate in world wide awareness and solutions to critical social problems to a great extent.

In this era of electronics and information technology, advanced geoscientific knowledge should reach students, researchers, academicians, geoscientists and technocrats of our country **to develop and enhance the potential of human resource to knowledge based society**, which would have in turn some contributions to solve societal problems. The exchange of thoughts and **interaction among teaching faculty, research scientists, technocrats and students** would further enhance the excellence in teaching-research- application / implementation cycle leading to social transformation.

In this context, as a part of triennium celebration (2007-2009) of IYPE, National Programme on **E-Geology Teaching and Learning (EGTL)** under the aegis of Indian Society for Earth, Planetary and Environmental Sciences (ISEPES) in association with Department of Geology, Khallikote Autonomous College, Berhampur, Orissa can act as a knowledge reservoir within one platform to address visionary perspectives on ten themes of IYPE along with other important aspects of Earth System Science (Remote sensing and GIS for rural and urban development, geo-science and energy, medical geology, geo- science and cultural heritage , geo-park and geo- ethics etc) and **IGEO** thrust areas (Pedagogy of geo-science education at school, college and outreach levels) with special emphasis on **social relevance and sustainable development**.

- **Curriculum of EGTL**

- (1) **To provide detail information to students, research scientists, academicians on latest geoscientific developments** touching ten socially relevant themes (**ground water, health, climate, hazards, resources, megacities, ocean, soil, deep earth and life**) along with **IGEO and AGID** thrust areas and other aspects of Earth System Science and Environment followed by interactive programmes through internet.
- (2) To conduct **E-Quiz Competitions** based on aforementioned themes for school and college students through internet.
- (3) To prepare **video clips** on different aspects of IYPE themes and circulation of the same to students, researchers and different spheres of geo-community through internet facility.
- (4) To create a **website: <http://www.essforsociety.org>** during **IYPE** for systematic storage of huge information and research data on ten socially relevant themes along with **video clips** related to IYPE and other aspects of Earth System Science and Environment. To prepare a **Geo-album** containing classic, rare and strategic photographs related to IYPE themes for wide circulation.

- **Procedure of registration**

Students, research scientists, academicians and technocrats interested in this National Programme can register their names as members by sending resumes / biodata (Name, designation, present address, telephone/cell no, date of birth, Educational qualification and specialization etc) to geologyteaching@rediffmail.com for obtaining registration numbers **free of cost**. All correspondence can be made to [**geologyteaching@rediffmail.com**](mailto:geologyteaching@rediffmail.com)

- **Request**

Academicians, research scientists and technocrats of our country and abroad are requested to come forward to extend their **benign support and co-operation for successful implementation of this National Programme** by contributing good articles, notes, geo-news, conference/seminar details and particulars on books and websites related to Earth System Science for circulation through internet. **Views and suggestions to improve this programme for the greater interest of our society shall be highly appreciated.** We also request you to go through the **objectives of our society, ISEPES** mentioned under **N.B** in the last page. Your valuable comments/views on the same shall energize us to achieve the goal of ISEPES.

- **Correspondence**

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N.B: Objectives of ISEPES - Indian Society for Earth, Planetary and Environmental Sciences (ISEPES) in order to popularize and promote **Earth, Ocean, Space, Planetary, Atmospheric and Environmental Sciences** publishes the journal – **Geo-Spectrum Interface** bi annually. This journal aims at publishing articles (research papers, review papers, short communications, and notes) with **lucid explanation and popular mode of presentation emphasizing social relevance and sustainable development. Special publications** comprising popular and review articles relevant to earth system science events and processes shall be brought out time to time. Other important activities include **e-geology teaching and learning programme, conduct of seminars, workshops, quiz and poster competitions** and **publications of learning materials for students of schools, colleges and universities of our country as a part of popularization and promotion of Earth, Ocean, Space, Planetary, Atmospheric and Environmental Sciences; conduct of Scientific Awareness Development Programmes (SADP)** in the fields of natural disasters (earthquake, tsunami, floods, land slides etc.) and natural resources (land, water, mineral, soil etc.) with their ways of management, **scientific studies** constituting eminent and dedicated scientists of our country and abroad on all aforementioned branches of Earth System Science , **provision of awards** to scientists of our country and abroad for their outstanding contributions to earth, ocean, atmospheric, space, planetary and environmental sciences, conduct of programmes on **Environment Education for Citizens and Students (EECS)**, Wasteland Reclamation Programme (WRP) through plantation for protection of environment, conduct of **Employment Generative and Technology Enabled Training Programme (EGTETP)** and **free consultancy** for Ph.D guidance in earth, atmospheric and ocean sciences.