

SCHOOL on ECOLOGICAL ECONOMICS and CONFERENCE on THEORETICAL TOPICS in ECOLOGICAL ECONOMICS:

**Economics of complex ecological systems
Non-market resource allocation mechanisms
Wealth and accounting prices for ecological assets**

27 January – 28 February 2003
(Miramare - Trieste, Italy)

The Abdus Salam International Centre for Theoretical Physics (ICTP) and the Beijer Institute of Ecological Economics, within the Ecological and Environmental Economics programme, will conduct the first **School on Ecological Economics** from **27 January - 28 February 2003**. It will be directed by **Professor Sir Partha DASGUPTA** (Cambridge University, U.K.) and **Professor Karl-Göran MÄLER** (Beijer Institute, Stockholm, Sweden). **Dr. Matteo MARSILI** (the Abdus Salam ICTP, Trieste, Italy) will act as Local Organizer. A Conference on the above-mentioned **Theoretical Topics in Ecological Economics** will take place from **10 - 21 February 2003**. The Conference will begin on 10 February 2003, with a special inaugural event of the programme.

The Conference will cover the following fields:

- *Economics of dynamic ecological systems*
- *Non-market resource allocation mechanisms*
- *Construction of indicators of economic performance*

These seemingly unrelated, fields are important for understanding the role of natural resources in the economic development of poor countries. Services generated by eco-systems are important for human well-being, but eco-systems most often lack property rights. These services are not traded on markets and their uses are instead determined by other resource allocation mechanisms. In order to design better management strategies, we need to know both the dynamics of the eco-systems and the resource allocation mechanisms. The first is studied by the use of mathematics of complex dynamic systems and the second by the use of game theory.

Because of the lack of property rights, eco-system services are not visible in traditional accounts. Thus the GNP, for example, will not include them. Today, more economists believe that the right way to include *natural capital* is by extending the concept of wealth. This, however, creates difficult problems with accounting prices and their estimation. This will be the third field of the Conference.

The School will give participants the necessary mathematical, ecological, and economic background for them to actively follow the Conference, and will enable them to write a report on one or more topics that have been discussed.

Scientists and students from all countries that are members of the UN, UNESCO or IAEA can attend. The main purpose of the Centre is to help scientists from developing countries through a programme of training activities within a framework of international cooperation. However, students and scientists from developed countries are also welcome to attend. As this activity will be conducted in English, participants should have an adequate working knowledge of that language.

As a rule, travel and subsistence expenses of the participants should be borne by the home institutions. However, limited funds are available for some scientists from developing countries, to be selected by the Organizers. As scarcity of funds allows travel to be granted only in a few exceptional cases, every effort should be made by candidates to secure support for their fare (or at least half the fare) from their home country. It is stressed that participants whose travel expenses are paid by the ICTP are required to attend the entire school. For logistics reasons, **the total number of participants is limited**. There is no registration fee for this activity.

The closing date for requesting participation is **30 SEPTEMBER 2002**. Those wishing to participate should complete, and return the request for participation form, to be found at the back of the Bulletin (also obtainable via e-mail: smr1493@ictp.trieste.it, by typing on the subject line "*get announcement*", or via WWW Server: <http://www.ictp.trieste.it/>). The completed request form should be signed and sent to:

**the Abdus Salam ICTP
(SMR.1493)
Strada Costiera 11
I-34014 Trieste, Italy**

The decision of the Organizers will be communicated to all candidates as soon as possible.
If sending your applications by e-mail, please save and send file attachments in RFT format.

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Trieste, July 2002

LECTURERS:

P. DASGUPTA
(Cambridge, U.K.)

A.J. DE ZEEUW
(Centre ER, LE Tilburg, The Netherlands)

K.-G. MÄLER
(Beijer Institute, Stockholm, Sweden)

D.A. STARRETT
(Stanford University, U.S.A.)

A. XEPAPADEAS
(University of Crete, Greece)

AMONG INVITED SPEAKERS:

K.J. ARROW
(Stanford University, U.S.A.)

P. DASGUPTA
(Cambridge, U.K.)

A.J. DE ZEEUW
(Centre ER, LE Tilburg, The Netherlands)

S.A. LEVIN
(Princeton University, U.S.A.)

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(University of Crete, Greece)

DEADLINE:

30 SEPTEMBER 2002

