



NEWS & ANNOUNCEMENTS

Symposium on Multispecies Models Relevant to Management of Living Resources

2-4 October 1989

Organized by The International Council
for the Exploration of the Sea ICES

OBJECTIVE AND SCOPE OF SYMPOSIUM

The potential importance of biological and technical interactions between living marine resource species and fishing fleets is widely acknowledged. Yet, these interactions have had little influence on management decisions with a few exceptions.

It was the pioneering efforts of two Danish scientists, Ursin and Andersen, that during the early 1970s drew attention to the importance of biological interactions. Their North Sea model demonstrated that potential yield estimates based on single species assessments were optimistic when species interactions were taken into account. While the model was informative, it was too complex for direct application to produce management advice. During the late 1970s, multispecies assessment models have been put forward to bridge the gap between overly simplified single species approaches and the complex North Sea model. In 1979, an *ad hoc* Working Group on Multispecies Assessment Model Testing designed an international program for collection of the data. The plan was executed in 1981 which became known as the "Year of the Stomach." Since then, ICES has refined multispecies assessments.

Apart from biological interactions, the harvesting technology of many fisheries makes them multispecies. Therefore, the management of one species frequently impacts on one or more interacting species.

Multispecies fishery problems are not unique to the ICES area, but there has been relatively

little exchange of ideas and comparison of approaches. Since ICES has been pioneering in the development of multispecies models relevant to management of living resources, it was decided that the Council should convene an international symposium to culminate a decade of focused research under the ICES banner. The purpose of the Symposium is to:

- (1) encourage quantitative analysis of biological and technological interactions relevant to management of living resources;
- (2) provide a forum for comparison of approaches applied both within and beyond ICES primary area of interest;
- (3) provide a summary of the "State of the Art."

PARTICIPATION

The Symposium, for which there is no registration fee, is open to all interested scientists who announce their participation in advance. Participants are requested to inform the General Secretary by not later than 31 August 1989. Information regarding the revenue and arrangements for the Symposium hotel accommodations, *etc.* in The Hague will be provided by the ICES Secretariat following receipt of such notification.

MANUSCRIPTS, PROCEDURES AND DEADLINES

Contributions to the Symposium are invited on worldwide applications of multispecies models with particular emphasis on recent advances concerning: mechanisms of biological interactions including the role of marine mam-

mals and birds; relationship between biological interactions and recruitment processes; technological interactions in multispecies fisheries; and implications for fishery management.

Scientists wishing to contribute papers or posters to the Symposium are requested to submit the titles together with abstracts to the Co-conveners by not later than 1 December 1988. Authors of papers or posters accepted by the Steering Group for presentation will be notified by not later than 1 March 1989. As it is intended to circulate the papers to participants in advance of the Symposium, it is essential that the required number of copies reach the ICES Secretariat by not later than 1 August 1989. The papers and posters must be in either English or French, and the papers should not be more than 2500 words in length (excluding tables and figures).

Co-conveners:

Dr. M. P. Sissenwine, Northeast Fisheries Center, NMFS/NOAA, Woods Hole, MA 02543, USA.

Dr. N. Daan, Netherlands Institute for Fishery Investigations, Postbus 68, 1970 AB IJmuiden, The Netherlands

For administrative purposes please contact ICES Secretariat:

General Secretary
ICES/CIEM
Palaegade 2-4
DK-1261 Copenhagen K
Denmark

VI SYMPOSIUM ON APPLIED & ENVIRONMENTAL GEOLOGY LISBON, PORTUGAL 1989

The Department of Geology, Faculty of Science, of the University of Lisbon is organizing its "VI Symposium on Applied and Environmental Geology" to be held by Easter 1989. The subject of the symposium is *COASTAL GEOLOGICAL ENVIRONMENTS*.

The Symposium has two objectives:

(1) To stress the importance of coastal sciences. Therefore there will be 4 sections: Morphosedimentogenesis and Evolution; Man and Seashore; Coastal Geoecology; and Continental Shelf.

(2) To show the importance of the Portuguese seashore and its diverse climatic, oceanic, lith-

ologic and structural aspects, and discussing them in field trips.

For further information please contact:

Coastal Geological Environments Secretariat
Departamento de Geologia
Campo Grande Edificio C₂—5° Piso—1700 Lisboa, Portugal
Telex—65512 Geolis P Tel: 7583141

LUMCON 1989 SUMMER SCHOOL PROGRAM

Summer courses available for credit through Louisiana's state universities are offered at the Louisiana Universities Marine Consortium. The LUMCON Marine Center in Cocodrie is the center for summer program courses, with additional use made of the Port Fourchon Field Laboratory near Grand Isle. Excellent opportunities exist for field work, oceanographic research training cruises, and laboratory experiments in LUMCON's new facility which features a large seawater system. Five-week courses to be taught in the summer of 1989 are Introduction to Marine Zoology, Marine Ecology, Marine Vertebrate Zoology, Marine Environmental Chemistry, and Marine Science for Teachers (to be offered at the University of New Orleans). In addition, shorter, two-week courses will be carried under Topics in Marine Science, specifically in Wetland Vegetation, Coastal Erosion/Wetland Loss, Laboratory Culture of Marine and Estuarine Organisms, Ecology of Estuarine and Coastal Water Columns, and Louisiana Coastal Field Geology. Directed undergraduate or graduate research and study are available by arrangement with a member of the senior scientific staff. For further information call 504/851-2800, or write to Summer Program, LUMCON, Chauvin, LA 70344.

WORKSHOP ON RATIONAL DESIGN OF MOUND STRUCTURES

Location

DuPont Hall, Department of Civil Engineering, University of Delaware, Newark, Delaware 19716.

Date

March 28, 29 and 30, 1989

A three-day workshop on the rational design of mound structures will discuss ideas for improving the state-of-the-art of the design of

various mound structures. The workshop, consisting of highly qualified engineers mainly from USA will be kept small to stimulate the exchange of ideas in an open and scientific manner.

Approximately fifteen speakers will be invited to present seminars (approximately 30 minutes) dealing with the analysis, experiment, design and construction of various mound structures. The participants will discuss issues and ways to improve the state-of-the-art of the present design practices on the basis of the seminar presentations.

The materials presented at the workshop together with the summary and conclusions of the workshop will be published in *The Journal of Coastal Research* following the publication guideline of the Coastal Education and Research Foundation, USA (P. O. Box 8068, Charlottesville, VA 22906).

Organizing Committee

Per Bruun
International Marine Science
and Engineering
Hilton Head, South Carolina

Miguel Losada
Ib Svendsen
Nobu Kobayashi

Department of Civil Engineering
University of Delaware
Newark, Delaware

**INQUA SUBCOMMISSION ON
SHORELINES OF NORTHWESTERN
EUROPE
(18-22 September 1989)**

The INQUA Subcommission on Shorelines of Northwestern Europe is planning to hold a subcommission meeting in Tallinn, Estonia, U.S.S.R. in September 18-22, 1989. It will probably include a two-day paper session and two- or three-days of scientific excursions to get acquainted with the evidences of relative sea level change and coastal processes along the Estonian coast. The main topic of the symposium will be "Protection and Evolution of Sea-coasts." Each paper presentation should have a maximum length of 20 minutes. Abstracts (no longer than 2 pages) will be published before the symposium (deadline February 1, 1989). Accommodations will be available at medium-priced hotels for approximately 60 US dollars single occupancy and 40 dollars double occupancy, per day.

Anto Raukas

7 Estonia Avenue
Tallinn-1. Estonian S.S.R.
200101 U.S.S.R.



REPORTS OF MEETINGS

**IGCP Project 274—COASTAL EVOLUTION
Amsterdam, The Netherlands, 19-24 September 1988**

Project 274 is one of 12 new IGCP projects established in 1988. It held its inaugural meeting in Amsterdam, The Netherlands, 19-24 September 1988. The meeting was attended by 67 delegates representing 29 countries. The meeting consisted of 1½ days of paper sessions, 2½ days of field trips and a full day to consider the future development of Project 274.

The basic idea behind the establishment of the project was to develop a better understand-

ing of patterns of variability in the Quaternary evolution of coasts and continental shelves. It was the intention of those who framed the proposal that a basis for comparative theoretical and applied research into coastal evolution could be established thereby developing on the successful outcomes of projects 61 and 200. These two projects have focussed on sea-level change, but it was initially envisaged that Project 274 take on a broader role by examining