

A C R O S E S
ASSOCIATE COMMITTEE FOR
RESEARCH ON SHORELINE EROSION AND SEDIMENTATION

THE CANADIAN COASTAL SEDIMENT STUDY
REQUEST FOR PROPOSALS

The Canadian Coastal Sediment Study (C²S²) wishes to hear from universities, firms and individuals interested in taking part in a nearshore research programme in 1983 and 1984. The aim of C²S² is to encourage studies leading to an understanding of sand transport on a beach site in the Gulf of St. Lawrence. To this end, C²S² will let contracts for monitoring the site, maintaining data acquisition facilities and carrying out research during the study periods. Nearshore research programmes funded from other sources will also be encouraged at the site.

C²S² is a study managed by the National Research Council of Canada and funded by the federal departments of Public Works, Fisheries and Oceans (Small Craft Harbours Directorate), Energy, Mines and Resources (Atlantic Geoscience Centre) and NRC. The Study has been given a life of 3 years with the major field programme expected during the 1984 open-water season.

During 1982, C²S² will choose a site. The basic criteria are that it should have a good sand supply, be exposed to storms and have a well-defined dominant direction of alongshore sand transport, as well as being readily accessible.

This year too, we will examine the present state-of-the-art of measuring nearshore sand transport. In addition promising ideas for further development will be sought.

The work will really begin in 1983. Then and in 1984, C²S² will award contracts for monitoring the site. This will include regular bathymetric surveys and the measurement of waves, winds and currents. A reference measurement of sand transport will also be maintained on the beach; for example, sand traps or tracer techniques.

But the major part of the budget will be reserved for contracts for research, both specified by C²S² and proposed by the researchers themselves. This research will be directed to:

- 1) The development of fast-response sediment monitors within the nearshore zone.
- 2) Comparative studies of techniques for measuring sediment transport within the nearshore zone.

In selecting proposals for funding, we will look for research aimed at furthering understanding of the processes involved and, providing improved tools for coastal engineering. Undirected data collection will be discouraged.

Researchers with funding from organizations other than C²S² will also be welcomed in the study to investigate the above topics, and related sub-

jects such as: offshore oceanography, air-sea interaction, fast-response nearshore current meters, ice effects on shores, ripple dynamics, dune or bluff erosion, or remote sensing techniques.

All data collected in the study will be made available to everybody participating. C²S² will provide data collection and analysis facilities at the site, again under contract, and will produce the data in a standard digital format to all participants.

Further information on C²S² may be obtained at informal workshops, to be held in conjunction with several major Canadian conferences in the coming year:

Canadian Coastal Conference '83
12th and 13th May 1983, Vancouver, British Columbia

6th Canadian Hydrotechnical Conference
2nd and 3rd June 1983, Ottawa, Ontario

A special C²S² workshop will also be held this year for all those indicating an interest in participating.

To indicate your interest, please write to the Study Manager, Bert Pade, at the address below, outlining your experience and capability in the field, and in the case of researchers, your proposed research.

B.H. Pade
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CONFERENCE UPDATE

The 18th International Conference on Coastal Engineering will be held during the 14th - 19th of November 1982, in Cape Town, Republic of South Africa. The conference will bring together engineers, geologists, planners and coastal scientists from all around the world to discuss and exchange information relative to coastal engineering.

The program is now complete and will include the following topics:

- Wind, current and wave action
- Tides and long waves
- Sedimentary processes and coastal morphology
- Estuary and inlet behaviour
- Coastal structures and recreational facilities
- Ship motions as related to harbour entrance design
- Ocean outfall design and construction
- Environmental aspects in coastal engineering design

In addition to the technical program, several conference tours have been scheduled. These tours include:

- Oranjemund Diamond Works
- Saldanha Bay Harbour
- Gans Bay fishing harbour
- Cape Peninsula small craft and fishing harbours
- Cape South coast lakes and estuaries
- Richards Bay Harbour
- Kruger National Park

If you would like a copy of the 3rd Bulletin which outlines the complete program and contains registration information, write to:

- Dr. Billy L. Edge, Secretary
- Coastal Engineering Research Council
- ASCE
- Cubit Engineering Limited
- P.O. Box 1271
- Clemson, S.C. 29633