

CATENA

AN INTERDISCIPLINARY JOURNAL OF
SOIL SCIENCE
HYDROLOGY - GEOMORPHOLOGY
FOCUSING ON
GEOECOLOGY AND LANDSCAPE EVOLUTION

founded by H. Rohdenburg



ISSS-AISS-IBG

A Cooperating Journal of the International Society of
Soil Science (ISSS).

CATENA publishes original contributions in the fields of

GEOECOLOGY,

the geoscientific-hydro-climatological subset of
process-oriented studies of the present ecosystem,

- the total environment of landscapes and sites
- the flux of energy and matter (water, solutes,
suspended matter, bed load) with special regard to
space-time variability
- the changes in the present ecosystem, including
the earth's surface,

and

LANDSCAPE EVOLUTION,

the genesis of the present ecosystem,
in particular the genesis of its structure concerning

soils, sediment, relief, their spatial organization,
and analysis in terms of paleo-processes,

- soils: surface, relief, and fossil soils, their spatial
organization pertaining to relief development,
- sediment with relevance to landscape evolution,
the paleohydrologic environment with respect to
surface runoff, competence, and capacity for
transport of bed material and suspended matter,
infiltration, groundwater and channel flow,
- the earth's surface, relief elements and their
spatial-hierarchical organization in relation to soils
and sediment
- the paleoclimatological properties of the sequence
of paleoenvironments

ORDER FORM:

Please send your orders to your usual supplier or to:

USA/CANADA:

CATENA VERLAG

P.O. Box 1897

Lawrence, KS 66044-8897

USA

Phone (913) 843-1221

FAX (913) 843-1274

JAPAN:

EASTERN BOOK SERVICE

37-3 Hongo chome-3

Bunkyo-ku, Tokyo 113

JAPAN

Phone (03) 818-0861

FAX (03) 818-0864

Other countries:

CATENA VERLAG

Brockenblick 8

W-3302 Cremlingen-Destedt

GERMANY

Phone (0)5306/1530

FAX (0)5306/1560

- Please enter my 1992 subscription to **CATENA** Vol. 19 (6 issues) DM487,-/US \$299-incl. postage & handling
(personal subscribers 50% off) ISSN 0341-8162

Prepayment is required on all orders.

I enclose: Check Copy of bank draft Unesco coupons (North American orders must be paid
by check or credit card)

Please charge credit card Send pro forma invoice

VISA

Master Card

AmEx (USA/Canadian orders)

VISA

MasterCard/Eurocard/Access

AmEx Diners (Other Countries)

Card No. _____ Expir. date _____

Signature _____ Date of order _____

Name (please print) _____ Address _____

City _____ ST/Province _____

Zip/Postal Code _____ Country _____

Conserving the European coasts

The **European Union for Coastal Conservation (EUCC)** is a non-profit organization which aims at nature conservation and wise use of the European coastal environment. It includes scientists, managers, government bodies and nature conservation organizations from 26 countries who interact to provide a cohesive approach to the protection and management of European coastal ecosystems.

The **EUCC** is involved in:

- * Advising national, regional and local authorities
- * Exchange of information and experience between its members
- * Furthering research aimed at nature conservation and management
- * Inventory projects of coastal ecosystems
- * Distribution of information and bringing out of publications
- * Organization of congresses, workshops, meetings and excursions. The 4th **EUCC**-congress will be in Attika (Greece), 26-30 April 1993.

All **EUCC** members receive:

- * the illustrated magazine 'Coastline', issued quarterly
- * considerable rebates on publications and congress fees.
- * members are also given opportunities for becoming directly involved in European wide activities

EUCC-membership dues are:

- * private members US\$ 17/ £ 9
- * non-governmental nature conservation organizations^{o)} US\$ 28/ £ 15
- * corporate members US\$ 140/ £ 75

^{o)} Local or regional nature management organizations can request for admittance to this category.

For more information and application for **EUCC**-membership please contact:

EUCC secretariat

P.O. Box 11059
2301 EB Leiden
The Netherlands

Join the



EUCC



THE COASTAL EDUCATION AND RESEARCH FOUNDATION

4310 NE 25th Avenue
Fort Lauderdale, FL 33308, USA

Officers of the Foundation

Founded in 1983 by: Charles W. Finkl, Sr.,
Charles W. Finkl, Jr., Rhodes W. Fairbridge,
and Maurice L. Schwartz

President & Executive Director:
Charles W. Finkl, Jr.

Vice President:
Rhodes W. Fairbridge

Secretary-Treasurer
Charles J. Miller

Board of Directors

Per Bruun	Robert E. Murdoch
Donald R. Coates	Maurice L. Schwartz
Robert Dolan	Andrew D. Short
Robert Huff	Ian Watson
Larry Klingler	

The Coastal Education and Research Foundation [*CERF*] is a nonprofit corporation dedicated to the advancement of the coastal sciences. The Foundation is devoted to the multi-disciplinary study of the complex problems of the coastal zone. The purpose of *CERF* is to help translate and interpret coastal issues for the public and to assist professional research and public information programs. The Foundation specifically supports and encourages field and laboratory studies on a local, national, and international basis. Through the medium of scientific publications, television, and radio *CERF* brings accurate information to the public and coastal specialists on all aspects of coastal issues in an effort to maintain or improve the quality of shoreline resources.

Because *CERF* is concerned with broad environmental

issues, our efforts concentrate on significant problems such as maintenance of good quality (potable) water with adequate supply, and hazards associated with potential beach erosion, flooding, and susceptibility of developed shorelines to storm surge and wave attack. By focusing attention on these potential man-made and natural hazards, it is hoped that our research efforts will help others improve the quality of life in diverse coastal areas. *CERF* thus aims to stimulate awareness of coastal (marine and freshwater shorelines) land and water problems; initiate and foster research and innovation to promote long-term coastal productivity; establish an educational forum for the debate of contentious coastal issues; and develop new principles and approaches for enlightened coastal management, and encourage their adoption and use.

CERF is associated with the Department of Geology at Florida Atlantic University in Boca Raton, Florida 33431. This association provides a basis for cooperative investigation of biophysical resources found in open and naturally protected coastal regions, estuaries, large inland bodies of water bounded by shorelines, wetlands, and other coastal environments. Joint investigative efforts by faculty, students, and staff span a wide and diversified range of interrelated topics that are relevant to solutions of today's dynamic problems. It is hoped that these combined attempts to better understand the nature of coastal processes will help forestall what may become contentious issues of tomorrow.

□ *CERF* MEMBERSHIP □

Members are individuals, institutions, and corporations that support the aims of the foundation through personal and group efforts or by donations. Memberships are available in different categories with privileges.

Publications of the Foundation:

CERF Quarterly Journal:

Journal of Coastal Research Research (JCR): An International Forum for the Littoral Sciences (ISSN 0749-0208).
[\$US 58.00] (Personal Rate)

Special Issues and Reports:

JCR:

Special Issue No. 1 (1986): Late Quaternary Sea-Level Changes and Coastal Evolution, edited by Paolo Pirazzoli and John R. Suter. [\$US 22.50] (out of print)

Special Issue No. 2 (1986): Annotated Bibliography of Quaternary Shorelines, Fourth Supplement 1978-1983, edited by Horace G. Richards, William B. Gallagher, and Donald J. Colquhoun. [\$US 22.50] (out of print)

Special Issue No. 3 (1988): Dune/Beach Interaction, edited by Norbert P. Psuty. [\$US 15.00]

Special Issue No. 4 (1988): The Effects of Seawalls on the Beach, edited by Nicholas C. Kraus and Orrin H. Pilkey. [\$US 37.00]

Special Issue No. 5 (1989): High Concentration Cohesive Sediment Transport, edited by Ashish Mehta and Earl J. Hayter. [\$US 37.00]

Special Issue No. 6 (1990): Artificial Beaches, edited by Maurice L. Schwartz and Eric C.F. Bird. [\$US 37.00]

Special Issue No. 7 (1990): Rational Design of Mound Structures, edited by N. Kobayashi and M.A. Losada. [\$US 37.00]

Special Issue No. 8 (1991): Impacts of Hurricane Hugo: September 10-22, 1989, edited by Charles W. Finkl, Jr. and Orrin H. Pilkey. [\$US 37.00]

Special Issue No. 9 (1990): Proceedings of the Skagen Symposium (September 1990), edited by Per Bruun and N. Kingo Jacobsen. [\$US 110.00] (2 Vols., 1000 pp.)

Special Issue No. 10 (1992): Simplified Technical Summary of the Complete Delta Works, Including the Eastern Scheldt (The Netherlands), by Ian Watson and Charles W. Finkl, Jr. [\$US 12.50]

Special Issue No. 11 (1991): Quaternary Geology of Long Island Sound and Adjacent Coastal Areas, edited by Paul T. Gayes, Ralph S. Lewis, and Henry J. Bokuniewicz. [\$US 37.00]