

environews



NEWSLETTER OF THE ENVIRONMENTAL SCIENCES ASSOCIATION OF IRELAND - AN ASSOCIATION FOR PEOPLE WORKING IN THE ENVIRONMENTAL AREA

Editorial

The ESAI provides a forum for networking for people working in the environmental field. This was the primary request of members when we were first established. We now have a web site, an email discussion group and this newsletter, *Environews*.

The biggest event in the ESAI calendar is the Irish Environmental Researchers' Colloquium, which has been running for eight years; it was first held in Sligo RTC in 1991, organised by Dr Richard Thorn. It attracts about 400 delegates and is the principle event where people who work in the environmental area can meet and catch up on developments. The Colloquium abstracts will be published by the Royal Irish Academy in the journal *Biology and Environment* from now on.

The ESAI Council is currently developing ESAI policy, developing guidelines for future Colloquia, and planning future activities. There is no shortage of suggestions about what we should do, but there is a shortage of people willing or able to give freely of their time. All our activities are organised voluntarily by Council members and others, and no Council member has ever requested travel expenses to meetings. We would therefore welcome more volunteers to assist in the running of the organisation.

Besides networking, the other main aim of ESAI is to promote good standards in professional practice. This requires both long and short term planning. To provide a basis for such planning, the ESAI is holding a special workshop on 12th October 1998 (see p4) for people in environmental consultancy. This will be the first ever meeting of environmental consultants in Ireland. Indeed, finding out who and where the consultants are will be one result of the workshop. However, whether the ESAI has the resources to promote good professional practice needs to be discussed.

Dr Mark J Costello
Chairman, ESAI

Get ready for our 9th Researchers' Colloquium

9th Irish Environmental Researchers' Colloquium, Friday-Sunday, 29-31 January 1999, Johnstown Castle Campus, Wexford.

The newly emerging Johnstown Castle Campus (Teagasc, Environmental Protection Agency and Department of Agriculture and Food) is proud to be hosting the Environmental Sciences Association of Ireland's 9th Irish Environmental Researchers' Colloquium on Friday- Sunday, 29-31 January 1999. This Colloquium represents the first joint venture of the Johnstown Castle Campus partners.

As the Campus is not an educational institution, there are special challenges in hosting this event, and it may not be possible to accommodate the usual number of presentations. Therefore, it is important to note that abstracts for inclusion in the meeting will be dealt with on a 'first-come' basis. Abstracts received after the closing date of November 19th 1998 will not be accepted. Notice will be going out shortly by mail, and a Colloquium Web Site is being established (watch the ESAI web site for developments). If you have any questions please contact the Colloquium Registration Officer, Eleanor Spillane, Tel: 053-42888 Fax: 053-42213 Email: espillane@johnstown.teagasc.ie

With your co-operation, and a hard-working organising committee, we hope we can maintain the standards of previous Colloquia. We look forward to meeting you at Johnstown and to your participation.

Eleanor Spillane

Join the ESAI Listserver

The ESAI has set up a listserver site to provide a forum for discussion and transfer of information via email. It facilitates communication between people interested in environmental sciences and their application to environmental planning and management in Ireland. To subscribe to the list, simply follow these instructions:

Address an email to: listserv@listserv.heia.ie
Type only: SUBSCRIBE ESAI firstname surname
Omit your signature and anything else you may normally add. The listserver will respond by asking you to confirm. Reply to this email with the message "ok" (don't include the inverted commas). Again, omit signature and anything else you may normally add.

Once you've subscribed, you can send a message to participating members by sending an email to: esai@listserv.heia.ie

Only subscribers can post messages to the list. If you have details of seminars, activities, or stories of environmental interest, please put them on the line. The advertising of jobs and tenders for work is also encouraged.

To see past messages on the ESAI listserver, see the web site archive at:
<http://listserv.heia.ie/esai.html>

The ESAI listserver now has over 50 subscribers. The correspondents are mainly from Ireland (90%), with 38% from higher education institutes; 33% private; 12% companies; 5% government organisations; the remainder are from the UK and Sweden.

Visit the ESAI web site!

The ESAI web site can be visited at:
<http://www.ecoserve.ie/esai/index.html>

The site is managed by Julian Aherne and maintained on the EcoServe server.
Your comments are welcome.

Inside...

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News, views and events

News digest

Ireland tops science publications league

Ireland has more science publications per GDP than any other country in western Europe, according to a letter in *Nature* magazine. *Nature* (Vol 390, p656, 18-25 December 1997) graphed the number of scientific publications against Gross Domestic Product (GDP) for western European countries. Ireland, uniquely and significantly, has more scientific publications per GDP than any other country. Ireland also has more publications in total than Denmark, Finland, Norway, Greece, Iceland, Austria or Portugal. So we are not doing too badly in some ways.

Mark Costello

Genetically modified organisms

The Dept of the Environment has brought out a consultation paper, *Genetically Modified Organisms & the Environment*, which gives background information on genetically modified organisms (GMOs), explains environmental controls, identifies areas of public concern and provides an opportunity for the public to participate in the development of national policy.

Environmental control of GMOs and GMO products is expanding through EU and national legislation. The ESAI does not intend to take a stance either for or against GMOs in the environment. If members have particular concerns or recommendations not covered by the consultation paper we would like you to discuss it on the Listserv and we will bring any consensus view to the attention of the Department.

Mary Brennan

Working group on biodiversity

The report of the EU working group on biodiversity is now available on the web at: <http://www.odn.se/~ewgrb>

The report has contributed to EU strategy on biodiversity. Mark Costello has copies of an A5-size colour brochure which helpfully summarises the report. For a copy, please send SAE to: Dr Mark J Costello, Ecological Consultancy Services Ltd, 7 Glenmalure Park, Rialto, Dublin 8.

Dolphin strandings in Sligo

Last February 14th, two dolphins beached near Raughly pier, north Sligo. With the assistance of Brendan Price (Irish Seal Sanctuary), Sligo Sub-Aqua Club and Don Cotton and Bill Crowe of the Irish Whale and Dolphin Group, one of the dolphins was helped back to sea, though the other one died. The stranded dolphin was identified as a Euphrosyne dolphin *Stenella euphrosyne* (Gray) or "striped dolphin." This species was not recorded in Irish waters before the 1980s. It is probably common but may have been misidentified as the more abundant common dolphin *Delphinus delphis* because of its similarity in shape and colour.

Since 1980, there have been several strandings of Euphrosyne dolphins in Sligo. One occurred at the same locality, Raughly, in 1994, at almost the same time of year, so there might be a regular migration of the species past this point in spring.

Two more strandings occurred in Sligo on 28 February 1998 when conditions were stormy, with high spring tides. A white-sided dolphin *Lagenorhynchus acutus* beached itself on Inishcraone Strand and a common dolphin was stranded at Lackmeeltaun, Ballyconnell.

Several reasons have been proposed as to why mass strandings of dolphins occur. These range from temporary local magnetic anomalies interfering with the animal's navigation system, to strong social bonds between family members causing all members of a group to follow a sick dominant animal ashore when it beaches itself.

Should anyone come across living or dead whales or dolphins in Sligo, they should contact Don Cotton or Bill Crowe at the Institute of Technology, Sligo (or the Sligo SPCA, if the animals are still alive).

Bill Crowe

'Natura 2000' sites

The June 1998 issue of the *Natura 2000* newsletter published by the EC's DG XI reports on the implementation of the EU Birds and Habitats Directives by EU member states. Denmark leads the field in terms of designating Special Protection Areas for birds under the Birds Directive, while Ireland is on a par with most other member states. However, Ireland lags far behind in designating Special Areas for Conservation under the Habitats Directive. It has not submitted any sites, only a 'provisional list' with no site maps. Luxembourg is the only other state not to have submitted a list.

Natura 2000 is published three times a year and is available free from: DG XI.D.2, TRMF 02/04, European Commission, 200 rue de la Loi, B-1049, Brussels. Fax: +32-2-296 9556

TMR Programme

The Training and Mobility of Researchers (TMR) Programme has made funds available to support European research teams to pay short visits to the Trondheim Marine Systems Large-Scale Facility in Norway. The aim of the programme is to promote, through the stimulation of training and mobility of researchers, a quantitative and qualitative increase of human resources within Europe. This includes the marine science and technology institutes of The Norwegian University of Science and Technology (NTNU); the Foundation of Scientific and Industrial Research (SINTEF); and the Oceanographic Company of Norway ASA (OCEANOR). The deadline for the second **call for proposals** is 1st December 1998. More information at: <http://www.ntnu.no/trondheim-marine-lsf/>

8th Colloquium drew over 400 delegates

The 8th Irish Environmental Researchers' Colloquium, organised under the auspices of the ESAI, was held at the Institute of Technology, Sligo, in February. Over 400 delegates attended. The very first Colloquium had been held in Sligo in 1991 and, upon its return visit, it became the first scientific conference to be held in the college following its elevation to Institute of Technology status.

The event was officially opened by the Minister of State for Science and Technology, Mr Noel Treacy TD, who stressed the importance of environmentally-friendly, sustainable industry for Ireland's green image. He noted the close association of the Institute with environmental science and congratulated the college on its growth. The Dept of Environmental Science holds a number of records in the development of the college - the first to award Diplomas and Degrees and the first to award PhDs.

Dr Jimmy Devins, chairman of the governing body, and Dr Billy Fitzgerald, chairman of the Colloquium's organising committee and head of the Dept of Environmental Science, described the development of environmental research and education in Ireland and the College over the past 20 years.

Mr Joe Harford of Yamanouchi (Ireland) outlined how his company had integrated environmental management into their overall management system. Yamanouchi received the Good Environmental Management Award in Ireland in 1989 and went on to win the European Award in 1990.

Over the weekend, 79 presentations were made, with sessions being held in parallel to accommodate all speakers. Each of the lecture theatres was equipped with a computer and a projector for presentations, as well as slide and overhead projectors for the more conventional type presentations. 74 posters were displayed. A book of abstracts (including poster abstracts) has been compiled (ISBN 0-948870-19-2) and lists all the delegates and their affiliations.

Topics discussed ranged from water pollution, marine biology, aquaculture and disease control, to environmental impact assessments, GIS and air pollution. There were several presentations on the problems posed by the newly arrived zebra mussel on boat moorings and water abstraction pipes on the River Shannon and Lough Derg. It is thought that this mussel arrived in Ireland around 1994 attached to the hulls of pleasure boats. Other presentations included one on bird collisions with power lines, phosphate leaching from farms due to the overuse of fertilisers, and the levels of air pollution to which cyclists in Dublin are exposed.

A prize was donated by Ecological Consultancy Services Ltd (EcoServe) to the best student presentation, as assessed by the ESAI. The standard of presentations was extremely high.

The conference dinner was an unqualified success, as was the live music, dancing and crack until the early hours of the morning.

The Colloquium had four main sponsors, NCF, ESB, Bank of Ireland and the EPA. The organisers were also grateful to the many people and companies in Sligo town who lent equipment and display boards.

The Colloquium's success was a tribute to the organising committee of 24 members of staff and post-graduate students of the Institute. For future Colloquia, the means for transferring the huge mailing list for the conference from one institution to the next and for adding new names will have to be reviewed and upgraded.

Bill Crowe

Newly published

Ireland, Our Island Home

An aerial Tour around Ireland's Coastline

By Kevin Dwyer, Collins Press, Cork, 1997, ca £20

This book contains over 150 excellent aerial photographs in colour of the coastline of most of Ireland. It is fascinating to gain this view of landscape one has seen on foot, and it is very useful to gain a perspective on an area before one goes to visit it. What may also be of value to readers is that one could now refer people to the book for a view of an area. Additionally, if one wants to use an aerial photograph in a new publication, one could identify it from the book and contact the author for permission to use the photograph. If the other government agencies with aerial photographs published theirs similarly (in print or on CD) it would greatly increase their accessibility, use and re-use.

Wings Magazine

Quarterly magazine of Birdwatch Ireland; Autumn 1998 issue

Free to members of BirdWatch Ireland; (will soon be available on a new BirdWatch Ireland web site)

The latest issue of *Wings* mentions several habitat and environmental planning issues of wide interest, including:

- halted development of fish processing factory at Fanad, Co Donegal
- disposal of dredge spoil over 10% of Boyne estuary
- successful appeal to prevent a windfarm in Donegal
- unauthorised reclamation of mudflats in Lough Swilly
- development of car park over lagoon with reedbeds of importance to migratory and breeding birds at Shannon airport
- potential loss of mudflats in Wexford Harbour
- threats to hedgerows from careless management

....and lots more on birds.

Official European Environmental Indicators

The European Commission Statistical Office in collaboration with the European Environment Agency has produced a suite of indicators of pressures on the environment, covering all sectors. A full list of the methodology for deriving each indicator is available at: <http://www.telcom.es/tau/sheets.htm>

This is a lengthy set of pages, so rather than print them out it may be better to 'copy' and 'paste' them into a text document - where you can edit, adjust line spacing and text size, etc, if you wish to have your own copy.

A European science plan on marine biodiversity

Heip, C, Warwick, R, d'Ozouville L, Costello MJ, Duarte Quesada CM, Feral J-P, Gray J, Karakassis I, Olsen JL, Vincx M, Weslawski J, Martin P (1998). *European Science Foundation, EMaPS Position Paper 2, Strasbourg, 20pp.*

A working group established by the European Science Foundation has published this plan for research needs on marine biodiversity. The document has already been used by the EC to change the text of its planned research programme under marine ecosystems. It provides more detail than the EC programme will, so it may be useful when trying to interpret what the EC mean when they seek research under various topics. Copies available from: European Science Foundation ("Laurent d'Ozouville" Email: dozouville@esf.org) or from Mark Costello. Also on web at: <http://www.esf.org/mpb/marbio.html>

Job notices

ENVIRONEWS would welcome notices on job vacancies, studentships or contracts in Ireland or abroad relevant to environmental research or consultancy.

Helping blind people in Ireland won't cost you a penny!

The National Council for the Blind of Ireland (NCBI) needs money to support an Information Technology Project for the blind. The project aims to

- ❖ Run training courses in new career areas, including word-processing
- ❖ Demonstrate adaptive equipment to modify home and work environments
- ❖ Provide an Information Technology Section to support those with home/work computers

You can help by...

- ❖ Returning certain used Inkjet Printer and Inkjet Fax cartridges
- ❖ Returning certain used Laser Printer and Laser Fax cartridges

A donation will be made to the **Information Technology Project** of the NCBI for every RECYCLABLE EMPTY INK and TONER CARTRIDGE YOU RETURN TO **Irish Business Connections** (see address below).

Simply return your used **inkjet printer or fax cartridges** in a leak-proof FREEPOST bag (up to ten cartridges will fit in a bag). Just call **041-32830** (or fax **041-32976**) and we will send you your FREEPOST bag.

These are the Cartridges you can return:

Inkjet Printer and Fax Ink Cartridges to return using FREEPOST:

Canon BC01	HP 51626A	Apple Stylewriter I & II
Canon BC02	HP 51629A	Panafax UF 300
Canon BC 20 printhead	HP 51640A,C,M,Y	Starwriter 60,70,80,90
Canon BX-02	HP 51641A	RICOH Type 50
Canon BX-03	HP 51645A	RICOH Type 120

FREE collection of certain Toner Cartridges:

For free collection of used **laser printer and fax laser toner cartridges** call **041-32830** (or fax **041-32976**) now.

Laser Printer & Fax Toner Cartridges that should be returned for recycling, by contacting Irish Business Connections at 041-32830 to arrange for FREE collection, include cartridges used in:

Apple Laserwriter Pro 600/630	Data Products LZR 1650	IBM 4019/4029
Apple Personal LaserWrite	Epson 5200, 7100, 8100	IBM 4039/4049
Apple Select 300/360	HP Laserjet IIP	IBM OPTRA R/L/N/S
Apple Select 1600/600	HP Laserjet 4V/4MV	Kyocera drum units
Apple Pro 810	HP Laserjet 4P/5P/6P	OKI 400/800 drums
BrotherHL 1260,1270	HP Laserjet 4L/5L/6L	OKI 400e,600e drums
Canon L770 etc, fax	HP Laserjet 5/5M/5N	OKI 1200, 4W drums
Canon L500, L300 fax	HP Laserjet 5Si/5SiNX/5SiMX	OKI fax drums
Canon 460 laser printer	Panasonic UF 755/UF 744/UF733	Star LS5
	Panasonic 4450 drum units	



Irish business connections

Five Oaks, Dublin Road, Drogheda, Co Louth

Tel: 041 32830 • Fax: 041 32976

E-mail: sales@ibc.ie

Help all round by returning your empties. Thank you for your help.

ENVIRONEWS

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Advertising:

EnvironeWS accepts advertisements. A half-page ad costs £40. An advertising brochure will be inserted for £75 (or more depending on mailing weight). Members' names and addresses are not provided to commercial concerns.

Environmental Sciences Association of Ireland:

Chairman: Dr Mark J Costello EcoServe, 7 Glenmalure Park, Rialto, Dublin 8. Tel: 01-490 3237/45 33 195 Fax: 01-492 5694 Email: mcostello@ecoserve.ie

Vice-chairperson: Dr Theresa Doyle, 73 Barton Road East, Rathfarnham, Dublin 14. Tel: 01-493 4657, 086-234 7334 Email: tmdoyle@indigo.ie

Secretary: Dr Mary Brennan, Letterkenny Institute of Technology, Letterkenny, Co Donegal. Tel: 074-24888 ex 4239 Email: mary.brennan@rtc-letterkenny.ie

ESAI membership enquiries:

It costs £12 to join the ESAI. Contact the **Treasurer**, Donal Marron, KT Cullen & Co Ltd, Bracken Business Park, Bracken Rd, Sandyford Industrial Estate, Dublin 18. Tel: 01-294 1717 Fax: 01-294 1823 Email: ktcullen@iol.ie

ESAI Workshop

"Professional issues in environmental consultancy in Ireland"

MONDAY, 12 OCTOBER 1998

GEOLOGICAL SURVEY OF IRELAND LECTURE THEATRE,
BEGGARS BUSH, DUBLIN 4

This workshop will provide a forum for environmental consultants and their contractors to meet (and to produce a list of such persons and organisations); to identify and discuss issues of importance to consultants; and to discuss how these issues should be addressed (and what role the ESAI should play in this).

Programme

- | | |
|-------------|--|
| 10.00-11.00 | Registration |
| 11.00-11.20 | Introduction by Chairman, ESAI |
| 11.20-11.40 | Professional standards: a regulator's view |
| 11.40-12.00 | Professional standards in EIS: an ecological consultant's view |
| 12.00-12.20 | Professional standards in environmental consultancy: a client's view |
| 12.20-12.40 | Open forum |
| 12.40-13.30 | Lunch (sandwiches, tea/coffee) |
| 13.30-13.50 | Insurance issues (public, employer, indemnity and key-man fees) |
| 13.50-14.10 | Role of education and training in professional practice |
| 14.10-14.30 | Open forum: Review of issues raised during the day |
| 14.30-15.00 | Tea/coffee |
| 15.00-15.30 | Concluding discussion:
Agreement on key issues and way forward |
| 16.00 | End of meeting (retire to Beggars Bush Inn). |

Fee: ESAI members £15; Non-members £20; £5 discount for unwaged. Fee includes registration, tea/coffee, light lunch, copy of list of registrants, and ESAI Code of Practice. Delegates may pay ESAI membership fee (£12 pa) upon registration and avail of reduced workshop fee for members.

A table will be available for delegates to display brochures and copies of recent publications they wish to sell or hand out.

Please bring your own **name badge**, as only sticky labels will be available for those without. (If you have an old name badge we would like to borrow it for future meetings).

Please indicate your attendance in advance to ensure that sufficient lunches etc can be provided (email: mcostello@ecoserve.ie Fax: 01-492 5694).

Advance payment should be sent to Dr Mark J Costello (cheques should be made payable to Environmental Sciences Assoc of Ireland).

Dr Mark J Costello
Chairman, ESAI

Please circulate and display this notice

Events Diary

ENVIRONEWS welcomes notices (and reviews) of environmental meetings held in Ireland

Workshop: "Conducting successful [air] emission testing programmes."

Fitzpatrick's Hotel, Cork on 29 September 1998, and Grand Hotel, Malahide, Dublin on 1 October 1998. Contact Angela Keohane, Fehily Timoney & Co, Centre Park House, Centre Park Road, Cork
Tel: 021-964 133 Fax: 021-964 464.

Cost: £181.50 (incl 21%VAT), including lunch and documentation.

Dublin and its Region: Contemporary Issues and Challenges for the 21st Century.

1-2 October 1998, Trinity College, Dublin. Hosted by Geographical Society of Ireland and Trinity College Centre for Urban and Regional Studies. Fee: £75; Geog Soc members £45; students £15. Booking form and further details are at:

http://www.tcd.ie/Geography/CURS/curs_con.html or contact jkillen@tcd.ie or write to Mrs E Russell, Geography Dept, TCD, Dublin 2.

Professional issues in environmental consultancy in Ireland. 12 October 1998. Geological Survey of Ireland lecture theatre, Beggars Bush, Dublin 4. Contact ESAI for details.

Irish Society of Toxicology. The next meeting of the Irish Society of Toxicology will be held in UCD on Thursday 22 October 1998 on the subject *The toxicological risk of urban living*, and will include invited speakers from Ireland and overseas. For information contact Dr F van Pelt, UCC, at vanpelt@ucc.ie

'Year of the Ocean' Conference. 1-3 December 1998. Dublin Castle. Contact the Marine Institute.

Annual General Meeting, ESAI. 30 January 1999, at 9th Irish Environmental Researchers' Colloquium (see article p1).

INFO-COAST '99 First European Symposium on Knowledge and Information for the Coastal Zone. 11-13 February 1999, Leeuwenhorst Conference Centre, Noordwijkerhout, Netherlands. This conference, jointly organised by EUCC-UK and CoastLink in association with ECSA, Wetlands International, EUCC and RIKZ CZMC, will link into the EU Demonstration Programme on ICZM. For information contact: Linda Bridge, EUCC-UK, 6668 AP Randwijk, Netherlands
Tel/Fax. +31 (0) 488 491 252
Email: linda@bart.nl

Estuarine & Coastal Sciences

Association: "ECSA 30" "Impact of Climate Change on the Coastal Zone." 9-13 August 1999, Hamburg, Germany. Deadline for offers of papers (abstracts) 31 January 1999. Contact Prof Dr Jurgen Sundermann, Zentrum f. Meeres- u. Klimaforschung, Bundesstrasse 55, 20146 Hamburg, Germany.
Email: suendermann@ifm.uni-hamburg.de

Some useful web sites

MARINE

Irish marine

<http://www.marine.ie/>

European Science Foundation Marine and Polar Board

<http://193.54.210.193:80/mpb/>

Directory of Marine Environmental Data Sets in France

http://www.ifremer.fr/sismer/catal/base/htm_an/base-3.htm

European Centre for Nature Conservation

<http://www.ecnc.nl/>

Marine algae (Seaweeds)

<http://seaweed.ucg.ie/seaweed.html>

Ascidians (Sea squirts)

<http://nsm.fullerton.edu/~lamberts/ascidian/>

Bryozoa

<http://www.civgeo.rmit.edu.au/bryozoa/bryozoa.html>

Porifera (Sponges)

<http://www2.tcd.ie/People/Bernard.Picton/porifera/index.html>

Crustaceans

<http://www.lam.mus.ca.us/~tcs/>

World list marine organisms

<http://www.weti.eti.bio.uva.nl/database/urmo/default.shtml>

European Molluscs

<http://www.mnhn.fr/cgi-bin/mamlist>

BIODIVERSITY

Key site with lots of biodiversity links

<http://www.york.biosis.org/zrdocs/zoolinfo/biodiv.htm>

Internet Biodiversity Service

<http://ibc.uel.ac.uk/>

Species 2000 (project to list all species in world)

<http://www.sp2000.org/specloc.html>

The Guide to Museums and Cultural Resources

<http://www.lam.mus.ca.us/webmuseums/>

Communication of the European Commission to the Council and to the Parliament on a European Community Biodiversity Strategy

<http://europa.eu.int:80/en/comm/dg11/docum/9842en.pdf>

Report of the European Working Group on Research and Biodiversity (EWGRB)

<http://www.oden.se/~ewgrb>

The Eurostat indicators of pressure on environment

<http://www.telecom.es/tau/sheets.htm>

European electronic conference on research and biodiversity

<http://www.genat.es/mediamb/biodiv/>

COASTAL LISTSERVER

There is an active international email list for coastal issues (erosion, biodiversity, training, policy, etc). **Contact:**

<http://www.minvenw.nl/projects/netcoast/index.htm>

Join the email list at:

<http://www.minvenw.nl/projects/netcoast/maillist.htm>

There is also a **UK web site** for anyone interested in coastal management in the UK (news, contacts, events):

<http://csweb.bournemouth.ac.uk/consci/coastnet/>

E-mail: coastnet@bournemouth.ac.uk

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Island nation?

1998 is International Year of the Ocean. There is a website which lists events at:

<http://ioc.unesco.org/iyo/toc.htm>

However, contributions from Ireland are noticeably absent!

Link up with ESAI web site

The ESAI is willing to incorporate links to related environmental sites and to compile them in an index on our ESAI web page. If you wish to have your site listed, just email the address and a short description of your site to Julian Aherne at: julian.aherne@ucd.ie