

LOICZ NEWSLETTER

3RD OPEN SCIENCE MEETING SUCCESSFUL

A SOUTHERN HEMISPHERE PERSPECTIVE

by Patricia Carvalho (Brazil/Australia) and Nick Harvey (Australia, LOICZ SSC Vice-Chair)

On arriving at the Leeuwenhorst Conference Center, Noordwijkerhout, The Netherlands, we were struck by the diversity of countries represented by the delegates: Africa, South America, North America, Asia, Europe and Oceania. There was also a good choice of scientific topics and our only disappointment was that we couldn't go to all the parallel sessions. It was great to walk around the poster displays and have the opportunity to learn more about LOICZ research in different parts of the planet.

The variety of projects also had strong elements of a LOICZ based integration. During coffee breaks the interest in posters was intense with researchers from a variety of coastal areas checking for similarities and differences with their own work.

The evening regional sessions were also a great opportunity for peers of the same continent to learn about each other's projects and to discuss how to work together in a better way. One of us (PC from Brazil) enjoyed



This is the fifth newsletter of the Land Ocean Interactions in the Coastal Zone (LOICZ) International Project of the IGBP. It will be produced quarterly to provide news and information regarding LOICZ

discussing LOICZ research in Latin America in her native language - Spanish.

The social moments, breakfast, lunch, dinner, bar after dinner and conference dinner, were times when "catching up" with old acquaintances or meeting new ones meant so much. We will miss the philosophical discussions at the bar, at 1:00 am, when we all had lots to say thanks to a few beers. Those five days "locked" in the Leeuwenhorst Conference Centre were so enjoyable that we didn't mind the fact that we only went outside for the conference photograph. Many thanks to the organising committee which did a fantastic job while being understaffed and thanks to all the participants for making a scientific meeting so much fun.

LINDEBOOM NEW SSC CHAIR



From the very beginning of his scientific career, Han Lindeboom has, without knowing it, followed a LOICZ path. As a student in 1973/74 he studied the phosphate cycle in the North Sea. From 1975-79 he carried out a Phd study on the nitrogen cycle in penguin rookeries off of South Africa, and from 1979-1984 he investigated the carbon mineralisation in shallow marine sediments. He then got involved with focus 4 type work as an ecologist/ toxicologist working for the Netherlands government. When he came to the Netherlands Institute for Sea Research (NIOZ) he headed a department on applied marine sciences, dealing with problems like eutrophication, pollution and the effects of fisheries. Presently he heads the department of Marine Ecology at the same institute. In summary, much of his work has been devoted to nutrient cycles in LOICZ relevant areas.

As chair of the LOICZ SSC he hopes to use his skills to lead the Project into the future where the

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greatest challenge is to bring together research in many diverse scientific fields and geographic regions. He sees that success depends on the co-operation of scientists in studying the many different types of coastal zones existing throughout the globe.

LOICZ: the Way Forward

by **Han Lindeboom**,
LOICZ SSC Chair

What a great Open Science Meeting! Apart from the plenary and parallel sessions and the good oral presentations that were made, I was also very impressed by the poster sessions. The high quality of the posters, the fact that they represented LOICZ research from all different parts of the world, and the interesting discussions that were carried out in front of them, all strongly supported the way forward: Networking among all LOICZ relevant scientists and sciences.

The interaction of land, water, atmosphere and man provides an exceptional research case to the LOICZ community, whereby the future of LOICZ will depend upon a successful unified approach, not only multidisciplinary, but also globally.

The International Project Office (IPO) will be producing a proceedings document that will attempt to summarise as much of the OSM science as possible. We hope to circulate it by the end of the year to participants and other interested researchers.

Following the OSM, the Scientific Steering Committee met to discuss the science and organisation of the Project. At this meeting the members took the message that we need to work together as the central theme, and many important decisions considering LOICZ future were taken.

LOICZ PROJECTS

In the past there has been a lot of confusion about the status of the different projects submitted for LOICZ classification. As described on the next page of the newsletter, the SSC has decided to use only three classifications: Core, Regional and Relevant. The major activities, the core projects, are either foci or geographically oriented. It is not intended to split all LOICZ research into continental core projects, but this set-up will facilitate an easier structure to organise cross-country co-operation and workshops all around the world. I myself was very impressed with the Spanish evening session during the OSM aimed at setting up LOICZ in Latin America. During this session I was provided with simultaneous translation.

By closely linking the more general core projects and the (sub-) continental core projects, the SSC will create a global network of LOICZ core activities. The SSC also developed a much faster classification system, whereby it was agreed that the term 'potential' will be used when projects still require funding. All classified projects will be published on the LOICZ WWW Home page, and I call upon all scientist who wish to participate and who have not done so, to send in their project summaries to the IPO.

With the adoption of the new simpler classification system, the SSC has decided to abandon the terms 'nodes' and 'framework activities'. Former activities that fell under these names have now become core projects, or parts of core projects. The SSC also decided to maintain the foci structure and the focus leaders:

- ♦ Wim Salomons - focus 1;
- ♦ Bob Buddemeier - focus 2;
- ♦ Stephen Smith - focus 3; and,
- ♦ Kerry Turner - focus 4,

have been asked to organise foci related core projects. Researchers are encouraged to contact them directly with ideas, projects and other contributions.

NATIONAL COMMITTEES

These should play an important role in LOICZ's future. The SSC has decided that all projects approved by National Committees will automatically get regional project status. And I call upon all Committees or National Contact Persons to get in touch with the IPO, to submit proposals and to actively participate in the LOICZ network building.

INTEGRATED COASTAL ZONE MANAGEMENT

During the OSM the question arose whether LOICZ research is equivalent to Coastal Zone Management research. The first answer is no. LOICZ is an IGBP Project, combining fundamental research on the causes and effects of global change in the coastal zone. However, knowledge of these changes is indispensable in Integrated Coastal Zone Management. And, as such, LOICZ research forms a very important part of ICZM. In turn, ICZM oriented projects can assist in funding LOICZ related research. Therefore, LOICZ and ICZM are not the same but should go hand in hand, both playing their crucial role in the understanding of global coastal zones.

And . .

What can LOICZ do for you? Of course we can help to write proposals or to find funding. But above all LOICZ is a network of scientists working in the coastal zone. And participating in LOICZ will bring you into contact with scientists all around the world facing the same scientific problems:

How do the fluxes of water, sediments and nutrients in the coastal zones change through time, how do humans influence these fluxes, and what is the impact of these changes on human activities?

FIVE CORE PROJECTS

At the 7th LOICZ Scientific Steering Committee Meeting held in the Netherlands October 13-14th, 1997, the Committee reviewed the present policy for LOICZ project approval. It was decided that the present system was not properly meeting the needs of IGBP, the Project or the coastal zone researchers. As a result, it was decided that the system of classification be restructured to be more inclusive of global LOICZ research efforts and that it would promote the development of projects on a regional and global scale that could be built on much of the local research presently underway or planned.

The first step in this restructuring is to identify only three classes of projects: **Core, Regional** and **Relevant**.

The relevant projects are worthy of recognition and make an indirect contribution to LOICZ, without formal affiliation.

Regional projects are closely linked to the Implementation Plan research, but may have other overall aims. They are usually co-ordinated at a national or regional level.

Projects that cover a broad geographical or LOICZ scientific area will be considered for the Core research classification. Very often such research will include the participation and co-operation of a number of regional and relevant projects. These projects will be given high priority for support within the LOICZ project as it is expected that they will contribute the most directly to the global modelling and analyses priorities of LOICZ. The core projects may be aimed at research dealing with (larger) parts of the four foci, or the overall aims of LOICZ, or may be (sub-) continental groups of LOICZ projects

To bring the current project classifications into line with this new structure, the SSC has reviewed the existing projects and identified five Core Research Projects:

- Typology;
- Biogeochemical Modelling;
- Deltaic Processes;
- Southeast Asia Project (SWOL);
- Continental Margins Task Team

These projects demonstrate the different forms of LOICZ Core Projects with the typology core project being lead by the IPO directly, the Biogeochemical Modelling and Deltaic Process being lead by researchers co-ordinating the research and the SARC S/WOTRO/LOICZ (SWOL) core project operating as a group of contributing Regional projects attempting to bring their individual research together to understand regional and global processes.

Additional Core projects are being planned for Europe, Africa, Latin America and Australia.

The IPO is committed to notifying researchers who have already submitted project summary forms as to their present status within the project. The SSC and Task Team Leaders are committed to providing guidance and support to LOICZ researchers who wish to contribute to regional and core research.

All approved Relevant, Regional and Core research projects are listed on the WWW at:

www.nioz.nl/loicz/projects/research

Interested coastal zone researchers are encouraged to submit new project summaries to the IPO for consideration. Forms are available on the WWW and can be requested from the IPO.

We thank you for your patience so far and look forward to the benefits of a more streamlined and efficient classification system.

New Executive Officer Wanted

The LOICZ Project is seeking to appoint a highly motivated and independent person as Executive Officer. The successful applicant will take administrative and scientific responsibility for a small (four person) dynamic, international office that acts as the international secretary for the LOICZ International Project. The project attempts to generate global syntheses of information in disciplines ranging from the natural to the socio-economic sciences. The LOICZ International Project Office is presently entering the second five-year period of funding.

See the World Wide Web Site: <http://www.nioz.nl/loicz/> for additional background material on the Project office.

Conditions:

The contract is for a period of 5 years. The successful applicant would be expected to assume duties as soon as possible. Salary will be commensurate with qualifications.

Location: The Netherlands.

For further information please contact the LOICZ IPO

Interviews with selected applicants will be held in the English language. Applications in English, together with a curriculum vitae and names of three referees, should be directed to the Personnel Officer NIOZ
PO Box 59
1790 AB Den Burg - Texel
The Netherlands.

The closing date for receipt of applications is:
December 1st, 1997.

NEW SSC MEMBERS

On January 1st, 1998, two new members will join the LOICZ SSC to replace outgoing members Prof. Stephan Kempe and Dr. Jeff Richey. Both of these members have been involved in LOICZ since the initiation of the Science Planning Committee in 1991. It is hoped that they will both continue to support and contribute to the LOICZ research priorities.

NEW MEMBERS:

Dr Gerardo M.E. **Perillo**
 Instituto Argentino de
 Oceanografia
 Av. Alem 53
 8000 Bahia Blanca
 Argentina
 Phone: 54-91-23555/20704
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Dr. Perillo is from a South American Institute and brings to the Committee experience from this geographic area. His scientific expertise will be useful to implement, conduct and guide LOICZ research concerning the flux of water, sediments and nutrients from rivers to the open sea. He has great expertise in research in nearshore and estuarine areas, particularly on the South American continent.

Prof Wim **Salomons**

GKSS-Research Center
 Max Planck Strasse
 Geesthacht, D-21502
 Germany
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 Fax: 49-4152 872366
 E-Mail: wim.salomons@gkss.de

Prof. Salomons joins the committee with long standing experience in geochemical, contaminates and nutrient research as well as his more recent involvement with the integration of socio-economic and natural sciences. His expertise will strengthen this important field of LOICZ research. Prof. Salomons

has already shown his support for LOICZ through his work on the EUROBASINS Regional Project. In addition to his strong European contacts, he has carried out work in many parts of the world including Brazil, Indonesia, Papua New Guinea and Zaire.

We welcome these new members and look forward to their input over the next three years.

FOR MORE INFORMATION,
PLEASE CONTACT:

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WWW HOME PAGE:

HTTP://WWW.NIOZ.NL/LOICZ/

NEW LOICZ PUBLICATIONS

Smith, S.V., S. Ibarra-Obando, P.R. Boudreau and V.F. Camacho-Ibar. 1997. Comparison of Carbon, Nitrogen and Phosphorus Fluxes in Mexican Coastal Lagoons, LOICZ Reports & Studies No. 10, ii + 84 pp. LOICZ, Texel, The Netherlands.

Report of the 7th LOICZ Scientific Steering Committee. October 13-14th, 1997. Meeting Report No. 27.

Report on the JGOFS/LOICZ CMTT Meeting No. 2. October 5th and 9th 1997. Meeting Report No. 26.

Report of the JGOFS/LOICZ Workshop on Non-Conservative Fluxes in the Continental Margins. 6-9th Oct. 1997. Meeting Report

IPO STAFF

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LOICZ Calendar

- SARCS/WOTRO/LOICZ Principal Investigators Meeting, November 24-28th, The Philippines.
- SCOR/LOICZ Working Group, January 3-5th, 1998, Boston, United States of America.
- SCOR/LOICZ Coral Reef Symposium, January 6-7th, 1998, Boston, United States of America.
- Ecological Services and Socio-Economic Sustainability, February 2-6th, 1998, San Quintin Bay, Baja California, Mexico.
- Scientific Steering Committee Meeting No. 8, end-April 1998, Adelaide, Australia.

The LOICZ IPO has produced a **Coastal Typology Database** for use within the Project. The database is structured around a 1° X 1° grid along the world's coastline. Over forty variables are included for each of 6201 grid cells including terrestrial and marine data along with some limited socio-economic parameters.

LOICZ researchers are encouraged to download from the WWW at:

<http://www.nioz.nl/loicz/projects/core/typo.htm>

for their review and analysis.