



THE LONDON SCHOOL
OF ECONOMICS AND
POLITICAL SCIENCE.

Memorandum of Agreement Between The Center for the Analysis of
Time Series at The London School of Economics and Political
Science And The Intergovernmental Oceanographic Commission of
UNESCO For the Establishment of The LSE/IOC Business
Programme for Observing Systems 24 October 2005

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The purpose of this Memorandum of Agreement between the Centre for the Analysis of Time Series (henceforth referred to as CATS) at the London School of Economics and Political Science (henceforth referred to as LSE) and the Intergovernmental Oceanographic Commission of UNESCO (henceforth referred to as IOC) is to establish a Joint Programme, to be known as the Business Programme for Observing Systems (BPOS), to be located at the LSE in London. The purpose of the Programme is to develop and disseminate methods, tools, decision aids and training for the business and policy community of all Nations for optimal uptake and use of new environmental information and modeled output from earth and ocean observing systems for economic and social development. In addition, the mission is to promote and coordinate the use of these tools through web-based platforms and discussion boards, seminars, industry-specific consultation and education.

It is envisioned that this Programme will provide the IOC's Global Ocean Observing System (GOOS), the Ocean component of Global Earth Observing System of Systems (GEOSS) with a mechanism to help to organize and activate the demand of GOOS products by the business and policy community of all nations. The Programme will aid the GOOS Regional Alliances with the development of observing system derived decision tools tailored to their regional needs to ensure that the requirements of the business and policy community are ascertained, and that information-based products for economic development and policy formulation are developed and demonstrated. It will seek knowledge transfer and promote "market penetration" of these products, conduct economic and policy analysis, and design blueprints for actions and solutions to real social and economic issues in all regions of the world.

The LSE will provide:

1. Office space and some staff support for the Joint Programme Office within the Centre for the Analysis of Time Series
2. Seminar and conference facilities for the business and policy training workshops
3. A portion of the LSE CATS Director's time for working with the Director of the Business Programmes for Observing Systems
4. Access to LSE Web based platforms and discussion boards for the dissemination of the observing system based economic and policy products
5. A web based newsletter for the Programme
6. An interface with the Business Community through the existing Operational Weather Risk (OWR) training seminar programme of CATS conducted in London. CATS will provide free of charge 4 places at four of its training workshops at no charge for GOOS regional stakeholder designees (not GOOS or IOC staff). This refers only to the attendance at the workshop and implies no commitment for travel funds or per diem.
7. Content for training workbooks produced for the OWR programme and similar Business training programmes


8. Involvement in the World's Regional Economic Communities through global business education and research programmes in order to establish observing system /modeling product development requirements
9. An Interface for training of both future CEOs and policy makers through the development of curricula including an environmental information course module in knowledge transfer, " Using Science for Solutions".
10. Access to the CATS expertise, both within LSE and its visiting fellows
11. The LSE name on the Programme

The IOC will provide:

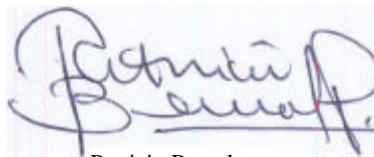
1. Interaction with GOOS and GEOSS through the IGOOS Board, JCOMM, the GOOS Programme Office, and GOOS Regional Alliances
2. Recognition of the Programme as a GOOS-associated programme listed on the IOC GOOS web site
3. Use of the IOC name and logo on the Programme material and correspondence
4. Administrative, travel and publications support as agreed annually in an Annex to this Memorandum of Agreement, specifying Programme deliverables and activities.

The Director of the Programme will be appointed for a two-year renewable term by the Director of the LSE Center for the Analysis of Time Series in consultation with the Director of the IOC. He/she will be considered as a "visiting fellow" of the LSE, subject to the approval of the LSE Department and report to the Director of CATS. He/she will work as a partner with the CATS Director. There is no commitment of funding by either the LSE or the IOC for this position.

On an annual basis, the Director of the Programme, taking into account the relevant guidance provided by the I-GOOS and its Board, will propose for the approval and consideration of the Executive Secretary of the IOC and the Director of CATS at the LSE a Programme of Deliverables and activities, that in the form of an Annex to the present Memorandum will constitute his or her commitment of performance vis a vis the sponsoring institutions. This Annex may also contain any additional statement or commitment of support, guidance and any other necessary decision needed from the sponsoring Institutions for the successful development of the activities of the LSE/IOC Business Programmes for Observing Systems.



Leonard A. Smith
Director CATS-
LSE



Patricio Bernal
Executive Secretary
IOC-UNESCO

Date 25/10/2005

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ANNEX 1

Programme Deliverables and activities 2006 of the LSE/IOC Business Programmes for Observing Systems

For the first year period, the Programme Deliverables are agreed to be the following:

1. Preparation of a work book, based on sectoral case studies on ocean observing system product use, for distribution at the OWR workshops for industry
2. Preparation of a short course certified by the IOC open to Ocean engineers and Industry participants
3. Participation in a "training session" on product uptake at the GOOS Regional Forum in November 2006 including the preparation of workbook materials with regional case studies. Workbook publication will be through the IOC.
4. Development of the Programme web page to be hosted on the existing LSE web site, including the active discussion forum
5. Preparation of a development plan for the sustained funding of the Programme

The IOC, following its established procedures, will seek inclusion of the IOC/LSE Business Programme for Observing Systems as part of its recognized activities and seek partial support of its activities from the Regular Budget and from extra-budgetary resources under UNESCO/IOC management.

For the year 2006 the IOC will seek extra-budgetary resources to support the activities of the Programme, especially:

1. Travel support of two persons to the GOOS Regional Forum to teach the Business teaching Programme.
2. The publication and eventual translation of relevant workbooks for the business community workshops and the GOOS regional fora.
3. Halftime support for an office administrator.

The first Director of the Programme will be Dr. Mary Aitalo, an existing visiting fellow of the LSE and an elected Vice-Chair of the Board of the Intergovernmental Panel of the Global Ocean Observing System.