



INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION
(of UNESCO)

INTERNATIONAL OCEAN ASSESSMENT REPORT

From October 2-6, 1999, in Potsdam, Germany, and as requested by the IOC Assembly and Executive Council, the IOC, SCOR and SCOPE held a workshop to assess the state of marine science and its contributions to sustainable development over the next 20 years. The workshop was attended by some 60 people, many of whom made presentations based on background papers on key topics. The fruits of the workshop will appear as a book of some 350 pages. There is no printed interim report of the meeting. This information document sets out the proposed publication process and schedule, and list the book's contents.

OCEANS 2020: SCIENCE FOR FUTURE NEEDS (Potsdam, 2-6 October 1999)

PUBLICATION PRODUCTS AND PROCEDURE

The book initiated during the Potsdam Workshop should provide valuable assistance in developing strategies for investment in marine research, development and operations in support of sustainable development and the advancement of marine science and technology. Seeking a wide diffusion it is likely that parts of the book will also be available on the Internet. In addition a science writer will summarize the book in the form of a 30-40-page booklet designed for politicians and the public.

I. PRODUCTS

1. A **book**, commercially published, with chapters authored by the main contributors. Boxes will also be under author's names and discussion group participants will be acknowledged, as will people who contributed short pieces to individual chapters. The volume and chapters will be longer than originally envisaged (250-300 pages in total). The draft chapters will be modified by the authors to take account of the discussions at the workshop. "User" contributions will be included as boxes within related chapters, or as chapter sections.
2. A **synthesis** document of some 50 pages will be produced to highlight the main recommendations of the volume. This is aimed at policy makers, politicians and the public and will also serve as a foreword to the larger volume.
3. An **Internet web page** will be produced (ideally by the publisher) which may include appendices of material which it is not possible to include in the book.
4. The products will be launched in several cities around the world. The synthesis document will be translated into the UNESCO languages.

II. PROPOSED PUBLICATION SCHEDULE (1999-2000)

(A) Book

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| (i) | Oct 7- Dec 6: | Authors and case history writers use feedback from the meeting to complete first rewrite, and send it to Liz Gross. |
| (ii) | Dec 6 – Dec 31: | Liz Gross circulates re-written texts to all participants for comment and review, and participants send comments to Liz, who sends them to editorial board and authors. |
| (iii) | Dec 31 – Jan 21: | Authors incorporate review comments and return final revisions to Liz Gross, who sends them to the editorial board. |
| (iv) | Jan 21 – Apr 21: | Editorial board edits the book and sends it to two external reviewers. Reviewers comments are incorporated. Editorial board sends final version to publisher. Publisher returns page proofs to authors and editorial board. |
| (v) | Apr 21 – May 7: | Editorial board and authors return page proofs to publisher. |
| (vi) | May 7 - Jul 7: | Publishers process material for publication. |

(B) Synthesis (for Policy Makers and Public)

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| (i) | Oct 7 – Dec 6: | Editors select science writer and provide manuscripts to guide development of the synthesis. |
| (ii) | Oct 7: | Press release by IOC/UNESCO in Paris [STILL TO BE DONE] |
| (iii) | Dec 31 – Jan 21: | Science writer works with revised texts to produce the synthesis |
| (iv) | Jan 21 – Apr 21: | As for the main book. |

DRAFT OUTLINE OF BOOK [revised 14.10.1999]

Pages	Title	Authors	Reviewer
1	Foreword	UNESCO DG (draft Summerhayes)	
5	Introduction	Field, Hempel, Summerhayes Draft by Summerhayes with Notes from Field and Hempel	Rothschild & Board
5	Historical Perspectives	Seibold	Summerhayes
	<u>Box</u> : Ocean for the Year 2000	Summerhayes	
30	Ocean Sciences	McGowan & Field	Rothschild & Ducklow
	<u>Box</u> : Hot Vents	Delaney	
	<u>Box</u> : ODP-Achievements & Future	Summerhayes	
	<u>Box</u> : IGBP (JGOFS, GLOBEC)	Ducklow	
	<u>Box</u> : Earth System Sciences	Shepherd	
25	Coastal Research	Lindeboom	Hempel
	<u>Box</u> : Mangroves	Ong	
	<u>Box</u> : Great Barrier Reef	Crossland	
	+ <u>Box</u> : Tropical Estuary	Ittekkot	
	+ <u>Box</u> : Mariculture Impact	Rosenthal	
20	Climate	North & Duce	Wainer
	<u>Box</u> : South Atlantic	Wainer	
	<u>Box</u> : Polar Regions	Johannessen	
	<u>Box</u> : Monsoons	NN (Field)	
	<u>Box</u> : WOCE-CLIVAR	Gould	
20	Fisheries	Hempel & Pauly	Rothschild
	<u>Box</u> : North Sea Herring	Zimmermann	
	<u>Box</u> : Patagonia	Sanchez	
	<u>Box</u> : Industry's view	Ball	
	<u>Box</u> : Philippine MPA	NN (Hempel)	
15	Sea Bed Industries	Summerhays & Lochte	Bernal
	<u>Box</u> : CO ₂ -disposal	Brewer	
	<u>Box</u> : Petrobras	Souza	
	<u>Box</u> : Forecasting	Rayner	
	<u>Box</u> : Environmental Impact	von Bernem	

Page	Title	Authors	Reviewer
15	Navigation	Rogers & Altalo	Holland
	<u>Box</u> : Navy	Spinrad	
	+ <u>Box</u> : Ballast Water	NN (Hempel)	
15	Operational Oceanography	Rayner & Summerhayes	Wainer
	<u>Box</u> : Natural Hazards	NN (Summerhayes)	
	<u>Box</u> : Ocean Observation Confer.	NN (Summerhayes)	
	<u>Box</u> : GODAE	NN (Summerhayes)	
15	Ocean Instrumentation	Dickey	Summerhayes
	<u>Box</u> : Sensor System	NN (Dickey)	
	<u>Box</u> : Visualisation	NN (Wolanski)	
	<u>Box</u> : Sea Bed Instrumentation	NN (Dickey)	
20	Framework of Cooperation	Bernal & Holland	Plocq-Fichelet
	<u>Box</u> : Ocean Foresight Partnership	Rayner	
	<u>Box</u> : Regional Cooperation Programme	Keckes	
	<u>Box</u> : Ocean Policy Example	Baker	
	<u>Box</u> : EC Large Facilities Programme	Summerhayes	
	<u>Box</u> : European Ship Sharing Programme	Summerhayes	
	<u>Box</u> : New Approaches	Rogers	
	<u>Box</u> : POGO	Shaffer	
20	Capacity Building	Fortes & Hempel	Gross
	<u>Box</u> : MADAM Project	NN/Saint-Paul	
	<u>Box</u> : Thai Perspective	Hungspreugs	
	<u>Box</u> : South Pacific Islands	Howorth	
	<u>Box</u> : South America	Marone	
10+	Vision to 2020	Bernal, Field, Hempel, Summerhayes	Duce & Board
10	References by Chapters	Gross	
5	Index	Technical Editor	
5	Glossary/Acronyms	Technical Editor	