

THE THIRD WORLD ACADEMY OF SCIENCES

Workshop for Policy Makers

on

Environment and Development:

The Science and Technology Implications

of the Brundtland Commission's Report

19 - 20 October 1989

Bogotá, Colombia

ANNOUNCEMENT

The United Nations considered in 1987 the Report of the World Commission on Environment and Development chaired by Mrs. Gro Harlem Brundtland, Prime Minister of Norway and called on member nations to promote the cause of the sustainable use of natural resources. An important component of the overall development strategy proposed by the Brundtland Commission, relates to the application of Science and Technology for the sustainable management of land, water, flora, fauna and the atmosphere. The Third World is the repository of most of the world's biodiversity. The Third World countries also, by and large, depend heavily on land and water-based occupations consisting of agriculture, animal husbandry, fisheries and forestry for the livelihood security of a vast majority of their population. The agricultural crisis in the Sahel has underlined the urgency of reorienting development strategies with the perspective of ecological sustainability, in addition to economic viability and equity.

Recognizing the importance of Science and Technology in sustainable development, the Third World Academy of Sciences proposes to organize a Workshop on "*The Science and Technology Implications of the Brundtland Commission's Report*". This Workshop is intended for Ministers of Science and Technology, Ministers of Education and Environment and heads of Science and Technology organizations and Academies.

The Workshop will coincide with Third General Conference of TWAS scheduled to be held at Bogotá in Colombia from 19 to 20 October 1989.

The major issues to be discussed will be the following:

Session 1: Methodology for the Measurement of Sustainability in the Use of Natural Resources;

Session 2 and 3: Examples of Environmental Degradation and their Implications for Science and Technology Institutions;

It is proposed to consider the following five eco-systems:

- a) Sahel
- b) Himalayas
- c) Andean Region
- d) Tropical Rain Forests
- e) Ocean Eco-Systems, for example the Red Sea;

Session 4: Role of national, regional and international research and educational institutions in sustainable development;

Session 5: An agenda for research and development action;

Session 6: Organization of an "Amnesty Biosphere" for serving as an early warning mechanism to draw global attention to avoidable violations of human heritage.

Antarctica

Convener of the Workshop: Prof. M.S. Swaminathan

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Key Persons Invited to the Workshop

(as of 15 June 1989)

Name and Country	Yes	No	No Reply	Representative	Remarks
Dr. Al Gain (Saudi Arabia)			✓		
H.E. Mr. Al Sadiq Al Mahdi (Sudan)			✓		
Miss Kris Aquino (Philippines)		✓			
Mrs. Margarita Arias (Costa Rica)			✓		
The Honourable K. Bärlund (Finland)		✓			
Dr. B. Bengtsson (Sweden)	✓				Session IV
Dr. L. Brown (U.S.A.)			✓		Letter returned to sender
Mrs. G.H. Brundtland (Norway)			✓		
Mrs. M. Catley-Carlson (Canada)	✓				Session I
H.R.H. Princess Chulabhorn (Thailand)		✓			
Prof. Umberto Colombo (Italy)		✓			
Mrs. B. Dahl (Sweden)		✓			
Dr. F. Di Castri (France)			✓		
Mr. W. Draper (U.S.A.)	✓				Session I
Dr. B. Von Droste (France)			✓		Session VI
Mr. T. Goreau (Jamaica)	✓				Session II
H.R.H. Crown Prince Hasan Bin Talal (Jordan)			✓		
Dr. R. Herrera (Venezuela)	✓				Session III
Dr. C. Romero Herrera (Spain)			✓		
Dr. L. Hoffmann (France)			✓		
Dr. Y. Kakabadse (Ecuador)	✓				Session III
Prof. M. Kassas (Egypt)	✓				Session I
Mr. B. Lalonde (France)			✓		
Dr. W.H. Lindner (Switzerland)	✓				Session I
Prof. W. Lusigi (Kenya)			✓		
Academician G.I. Marchuk (U.S.S.R.)		✓			
Dr. F. Mayor Zaragoza (France)				Not yet nominated	
Mr. D. McTaggart (Italy)			✓		
Dr. M. Mensah (Italy)			✓		
Prof. Keto E. Mshigeni (Tanzania)	✓				Invited to TWAS Meeting
Prof. Amir Muhammed (Pakistan)	✓				Session I & III
Prof. M. Munasinghe (U.S.A.)	✓				
President J. Nyerere (Tanzania)		✓			
Prof. T.R. Odhiambo (Kenya)	✓			Patel.	Session II
Prof. B.N. Okigbo (Nigeria)			✓		
Dr. F. Press (U.S.A.)				Peter H. Raven	
Prof. L. Rossi Bernardi (Italy)			✓		

Name and Country	Yes	No	No Reply	Representative	Remarks
Prof. I. Sachs (<i>France</i>)	✓				Session I
Dr. F. Sagasti (<i>U.S.A.</i>)	✓				"
Dr. E. Salim (<i>Indonesia</i>)			✓		
Mr. R. Sasakawa (<i>Japan</i>)			✓		
Prof. G.T. Scarascia Mugnozza (<i>Italy</i>)			✓		
Prof. A. Sen (<i>Finland</i>)		✓			
Dr. M. Singh (<i>Switzerland</i>)		✓			
Dr. G. Speth (<i>U.S.A.</i>)				P. Thacher	
Dr. Staub (<i>Mauritius</i>)	✓				
Dr. M.K. Tolba (<i>Kenya</i>)	✓				Session I
Dr. S. Trindade (<i>U.S.A.</i>)			✓		
Academician E.P. Velikhov (<i>U.S.S.R.</i>)			✓		
Dr. B. Walker (<i>United Kingdom</i>)			✓		
Dr. Li Wenhua (<i>China</i>)	✓				Session I
Prof. J.B. Wiesner (<i>USA</i>)		✓			
Prof. Zhou Guang-Zhao (<i>China</i>)				Sun Honglie	
Total	53	17	10	22	4