



UNESCO-IAHS Sixth Kovacs Colloquium
*The Fifth Phase of the International Hydrological Programme (1996-2001):
The balance sheet from a scientific perspective*

- Organizers:** International Hydrological Programme of UNESCO (IHP) and International Association of Hydrological Sciences (IAHS)
- Date:** 13-15 June 2002
- Place:** Room XII
UNESCO Headquarters
7 place de Fontenoy
75007 Paris, France
- Presentations:** Only by invited speakers (no call for papers). There will be general discussion and debate
- Language:** English (no interpretation into other languages)
- Participation:** Open to all interested persons at no cost (up to room capacity).
- Registration:** No registration fee. Sign up by writing to
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fax +33 1 4568 5811, phone + 33 1 4568 4113
- Contact:** Mr. J. Alberto Tejada-Guibert
IHP Secretariat, UNESCO
1 rue Miollis, 75015, Paris, France
(or at same e-mail, phone or fax as above)

INTRODUCTION

The Kovacs Colloquium, jointly organized by the International Hydrological Programme of UNESCO (IHP) and the International Association of Hydrological Sciences, is a traditional event held just prior to the biennial sessions of the Intergovernmental Council of IHP. It is meant to provide a short, high quality scientific event in themes of current relevance in hydrology attracting renowned specialists and that may be attended by delegates and other participants coming to the Council sessions plus other interested participants, thus the scientific interest of the IHP community is catered to just before the primarily administrative Council sessions. The first five colloquia dealt with:

- 1st – Space and Time Scale Variability and Interdependencies in Hydrological Processes (1992)
- 2nd – Subsurface Flow: A Stochastic Approach (1995)
- 3rd – Risk Reliability, Uncertainty and Robustness of Water Resource Systems (1996)
- 4th – Water: A Looming Crisis? (International Conference) (1998)
- 5th – HELP: Hydrology for the Environment, Life and Policy (2000),

THE 6TH KOVACS COLLOQUIUM

The 6th Kovacs Colloquium will be held from 13 to 15 June 2002 at UNESCO Headquarters in Paris, prior to the 15th session of the Intergovernmental Council of IHP (17-22 June 2002). It will be devoted to an assessment from a scientific standpoint of the work carried out under

the Fifth Phase of the Programme (IHP-V) during the period 1996-2001. A brief information background on IHP and its fifth phase may be found below.

IHP-V consisted of eight major scientific themes. Each of the eight themes will have an individual session in the colloquium. The total duration of the colloquium is planned to be 2.5 days. The first two days would be devoted to the discussion of each theme individually. There will be an invited chairperson and invited presenters per theme to summarize the activities and achievements in that particular theme. The presenters were usually leading members of the working groups involved in the execution of the theme's projects. The presenter(s) will be followed by a discussor, an outside expert member of the IAHS Hydrology 2020 Group who would comment on the matters aired on the theme, and then a general discussion and questions and answer period. The third day would have a half-day available to conclude the event. There would be a panel to discuss the findings of the previous sessions, followed by the formulation of conclusions and recommendations with an ensuing open debate. The Colloquium programme is attached in a table format.

BRIEF BACKGROUND OF THE INTERNATIONAL HYDROLOGICAL PROGRAMME (IHP)

The International Hydrological Programme is the major instrument of UNESCO for the performance of its water-related activities. After the successful International Hydrological Decade 1965-1974 conducted by several UN agencies, IHP was instituted in 1974 under the aegis of UNESCO, where its Secretariat has been located ever since. It is an intergovernmental programme with 160 Member States. Every two years the IHP Intergovernmental Council meets to set policy guidelines and to make major decisions on its implementation. The Fifth Phase of IHP (1996-2001) has concluded very recently and the Sixth Phase (2002-2007) has just started. The plans for the successive phases are made in full consultation with the Member States reflecting the current needs of the countries. The execution of the programme is carried out with the cooperation of the Member States themselves, scientific NGO's, other international organizations and members of the IHP network.

The Fifth Phase, IHP-V, designated *Hydrology and Water Resources Development in a Vulnerable Environment*, set out to stimulate a stronger interrelation between scientific research, application, and education. The emphasis was on environmentally sound integrated water resources planning and management, supported by a scientifically proven methodology. It had the following eight major themes:

- Theme 1: Global hydrological and geochemical processes*
- Theme 2: Ecohydrological processes in the surficial environment*
- Theme 3: Groundwater resources at risk*
- Theme 4: Strategies for water resources management in emergency and conflicting situations*
- Theme 5: Integrated water resources management in arid and semi-arid zones*
- Theme 6: Humid tropics hydrology and water management*
- Theme 7: Integrated urban water management*
- Theme 8: Transfer of knowledge, information and technology*

The first three themes dealt more with the science of hydrology, understanding the underlying process and the assessment of the resource. Themes 4 through 7 focused more on the management of water resources under various settings and Theme 8 constituted the means for dissemination of the knowledge acquired through courses, awareness raising activities and as a clearing house of knowledge. Over thirty projects corresponding to these eight themes were carried out.

The Sixth Phase of IHP (2002-2007), IHP-VI, is getting under way right now. It is designated *Water Interactions: Systems at Risk and Social Challenges*, and is based on the fundamental principle that freshwater is as essential to sustainable development as it is to life, and that water, beyond its geophysical, chemical and biological functions in the hydrological cycle, has social, economic and environmental values that are inter-linked and mutually supportive.

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Programme (updated to 30/04/02)

Day	Session	Activity/IHP-V Theme	Chair	Speakers/Presenters	Discussers (IAHS Hydrology 2020 Group)
13 June	Morning (1) 09:00-09:25	Opening	Mahmoud Abu Zeid , Minister of Water Resources and Irrigation, Egypt; former IHP Chair	Walter Erdelen , Assistant Director-General Natural Sciences, UNESCO: <i>Welcome address</i> Andras Szöllösi-Nagy , Secretary IHP: <i>Setting the stage</i>	
	(2) 09:25-11:15	1. Global hydrological and geochemical process	Charles Vörösmarty , University of New Hampshire, USA	Eric Servat , IRD (formerly ORSTOM), France Lena Tallaksen , U. of Oslo, Norway Axel Bronstert , Potsdam U., Germany E. Kuusisto , Finland	Jeanna Balonishnikova , State Hydrological Institute, Russia
	(3) 11:30-12:30	2. Ecohydrological processes in the surficial environment	Janine Gibert , Université Claude Bernard, France	Maciej Zalewski , U. of Lodz, Poland David Harper , U. of Leicester, UK	Kate Heal , U. of Edinburgh, UK
	Afternoon (1) 14:00-15:30	3. Groundwater resources at risk	Wilhelm Struckmeier , Fed. Inst. for Geosciences and Natural Resources, Germany; IAH	Jaroslav Vrba , DHV CR Consulting Co., Czech Republic; IAH	Susan Hubbard , Lawrence Berkeley National Laboratory, USA
	(2) 15:45-17:15	4. Strategies for water resources management in emergency and conflicting situations	Slobodan Simonovic , Univ. of Western Ontario, Canada	Uri Shamir , Technion, Israel	Johan Kuylenstierna , ERM Scandinavia, Sweden
14 June	Morning (1) 09:15-10:45	5. Integrated water resources management in arid and semi-arid zones	Liu Heng , Nanjing Institute of Hydrology and Water Resources, China	Fatma Attia , Ministry of Water Resources and Irrigation, Egypt	Harouna Karambiri , Université Pierre et Marie Curies, France
	(2) 11:00-12:30	6. Humid tropics hydrology and water management	Kuniyoshi Takeuchi , President IAHS, former IHP Chair, Yamanashi U., Japan	María Donoso , CATHALAC, Panama Koichiro Kuraji , U. of Tokyo, Japan	Fu Guobin , Chinese Academy of Sciences, China
	Afternoon (1) 14:00-15:30	7. Integrated urban water management	Reza Ardakanian , Deputy Minister for Water Affairs, Iran	Cedo Maksimovic , Imperial College, UK; Director IRTCUD	Caterina Valeo , U. of Calgary, Canada
	(2) 15:45-17:15	8. Transfer of Knowledge, Information and Technology (KIT)	Abel Afouda , Université Nationale du Benin	André van der Beken , Free University, Belgium	Stefan Uhlenbrook , Institut für Hydrologie, Germany
15 June	Morning (1) 09:30-12:30	General debate	Reinder Feddes , Chair IHP, Wageningen U., The Netherlands		Taikan Oki , U. Of Tokyo, Japan

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Registration Form *

First Name	
Surname	
Title (Prof./Dr/Mr/Ms)	
Organization	
Position	
Address	
Tel	
Fax	
e-mail	
Web site (if any)	
Mobile phone (if any)	

* No registration fee

Interested participants please fill in this form and send to:

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