Session at the 4th WWF:

**Ecosystem and Ecohydrology**

**Approaches to Integrated Water Resource Management**

16:45 to 18:45, Saturday 18 March, 2006
Centro Banamex, Valparaiso 2-3
FT2.38

Organized by:

- United Nations Environment Programme (UNEP)
- United Nations Educational, Scientific and Cultural Organisation (UNESCO - IHP)
- Organization of American States (OAS)
- International Lake Environment Committee (ILEC)
The Plenary Session at 11WLC
“Ecosystem Approach to Water Monitoring and Management”
Advanced
November 1, 2005

United Nations Environment Programme (UNEP)
International Lake Environment Committee (ILEC)
Shiga Prefectural Government
The Session at WWF3
“Ecosystem Approach to Water Monitoring and Management”

15:45 to 18:30          B-2, Kyoto International Conference Hall
17 March, 2003

United Nations Environment Programme (UNEP)
International Lake Environment Committee (ILEC)
Ministry of the Environment, Japan
Horiba Co. Ltd.
Graduate School of Global Environmental Studies (GSGES), Kyoto University
The Session at WWF3
“Ecosystem Approach to Water Monitoring and Management”
15:45 to 18:30          B-2, Kyoto International Conference Hall
17 March, 2003

Hironori Hamanaka
Vice Minister, Global Environmental Affairs
Ministry of Environment, Japan
The Session at WWF3
"Ecosystem Approach to Water Monitoring and Management"
15:45 to 18:00
0-2, Kyoto International Conference Hall

Graduate School of Global Environmental Studies (GSGET),
Kyoto University
Challenges of Ecosystem Approach to Water Monitoring and Management with Special Reference to African Great Lakes.

Prof. Eric O Odada
Pan African START Secretariat, University of Nairobi
P O Box 30197, Nairobi, Kenya
Tel: 254-2-444 77 40
Massive soil erosion in the L. Victoria catchment, Kenya, near Kisumu.

The confluence of two rivers near L. Malawi. The river on the left drains a heavily cultivated watershed and the river on the right drains a well forested mountain watershed.
Reservoir Sediment Management, and Activities for
Integrated Sediment System Management in Japan

Josuke KASHIWAI : Principle Researcher, 
Hydraulic Engineering Research Group, 
Public Works Research Institute
Sediment Bypass through Tunnel Channel

Downstream river condition before and after bypass operation (200m from the dam)
ECOSYSTEM-BASED RIVER BASIN MANAGEMENT: Can we invest to conserve ‘ecosystem functions’?

- In the case of the Yangtze River Basin -

Takehiro NAKAMURA
Project Management Officer – International Waters
Division of GEF Coordination
United Nations Environment Programme (UNEP)
Location of the demo sites
An Ecosystem Approach to Water Monitoring and Management

An Eco-management Vision
An Ecosystem Approach for the Planning, Monitoring, and Management of the San Juan River Basin, Costa Rica and Nicaragua

Ecosystem Approach to Water Monitoring and Management
WWF-III, Kyoto, Japan, March 17, 2003
The Working Elements

- Demonstration Projects
- Basic Studies
- Public Participation Workshops

An Eco-Management Vision

A Catalytic Action for the planning, monitoring, and management of water resources in the Basin

- Tourism
- Rural Development

Multi-stakeholder Participation

An essential ingredient for IWRM

- Planning;
- Monitoring;
- Decision-making; and
- Management

The SAP
Environmental monitoring and possible climate variability impacts on water resources in Zimbabwe

C.H.D. Magadza
University of Zimbabwe
Modelling

0-D?
1-D?
2-D?
3-D?
La Plata River Basin

• Bolivia, Uruguay, Paraguay, Brazil, Argentina

• Includes 3 capitals (Buenos Aires, Montevideo, Asuncion) in downstream and two major cities (São Paulo, Critiva) in upstream.

• Highly developed for Hydropower