



A diverse and
sustainable world



IUCN
World
Conservation
Congress
Barcelona 2008

Presentation

**Presentation from the Water Pavilion
at the IUCN World Conservation Congress, Barcelona 2008
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GLOBAL ENVIRONMENTAL FLOWS NETWORK

The www.eflownet.org website

AGENDA

1. BACKGROUND

Network Founders

Why an environmental flows network?

What does the network do?

Who uses the network

2. WEBSITE DEMONSTRATION

3. PRODUCTS

Website: Resource Centre, Discussion Groups, Newsletters

Factsheets: Countries, Methods

Workshops and Conferences, Curricula

4. DISCUSSION ON PROGRESS AND NEXT STEPS





Eflows Network Founders



Why an environmental flows network?

- Need for a central reference point
- Lack of consistency
 - terminology, methods
- Lack of awareness of environmental flows concepts
- Link technical issues, implementation and policy
- Need for a forum to share ideas and experience
- Need to incorporate multiple perspectives relating to environmental flows



What does the network do?

- Gathers information at a central reference point
- Establishes consistency in approach
- Shares experiences and finds expertise
- Provide tools for technical and policy implementation
- Promotes communication of eflows concepts and practice



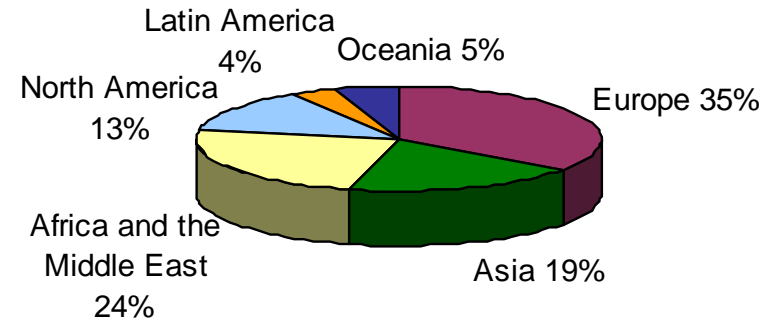
NETWORK OBJECTIVE

- Communicate, create, share, use, and promote environmental flows knowledge and practice

Who uses the network

- River basin organisations
- Technical experts
- Policy makers
- Researchers, academics, students
- Civil society
- Industry, business, agriculture

**Geographical Distribution of eFlowNet Members
August 2007**





Network products I

- The Website
 - Content Management System
 - Administrative rights
 - Content of the webpages



The eFlowNet website
www.eflownet.org



Welcome to the website of the Global Environmental Flows Network

- your gateway to information on Environmental Flows

Environmental Flows (eFlows) refer to water provided within a river, wetland or coastal zone to maintain ecosystems and the benefits they provide to people. This website is an open portal for anyone interested in accessing, sharing or discussing information on eFlows.

Latest News

15 Aug 2008

FLOW 2008 State-of-the-Art Highlights

Instream Flow Science, Policy, and Public Dialogue at FLOW 2008 - Register by 8/15!

[Read More](#)

18 Jul 2008

Investing in IWRM - It pays back!

The proceedings of the side-event organized on 12 May 2008 for the EU and France at the 16th session of the UN Commission on Sustainable Development in New York City are now available.

[Read More](#)

17 Jul 2008

Dialogue on Water, Energy and Climate

- Home
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Current Highlights

11th International Riversymposium in Brisbane, 1-4 September 2008

A future of extremes: the threat of too much or too little water for rivers.



11th International Riversymposium

Brisbane, Australia
1 - 4 September 2008

The 2008 *Riversymposium* will explore the challenges associated with the increased incidence of flooding and drought expected with climate change.

[Read More](#)

Notice Board

IUCN World Conservation Congress - Learning Opportunities

Build your skills: apply now to participate in 1 of 50 Learning Opportunities during the IUCN World Conservation Congress (new deadline: **10th of september!**)



If you have not yet registered for the Congress, please do so **by clicking here.**

[Read More](#)

SITE SEARCH

GO



Forum Discussions

- **Does Human Health depend on Environmental Flows?**
- **Hydrology and Biodiversity**
- **Do you find our website useful?**
- **Do seminars like this actually have an impact in the real world context, outside the academic circles?**



Resource Centre

- **Document Sharing**
- **Events Calendar**
- **Case Studies & Projects**
- **Training & Education**
- **Collaborative Platform**

Energy and Climate Change

Preparatory Meeting for the 5th World Water Forum: Istanbul 2009 at Brisbane's 11th International Riversymposium, 1-4 September 2008

[Read More](#) ►

[More News](#) ►



Proceedings of a workshop on environmental water transactions held as part of the 10th Annual Riversymposium and International Conference on Environmental Flows.

Events Calendar

11th International Riversymposium – River Symposium

World Water Congress and Exhibition – International Water Association

The IUCN World Conservation Congress – IUCN

Environmental Flows Learning Opportunity at WCC – The Nature Conservancy

[More Events](#) ►

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 - Training & Education



Printable Version



Email to a friend



The eFlowNet resource centre allows members of the network to share documents, case studies and projects, upcoming events and training workshops. To input information please fill out the following forms:

- Announce an event
(EVENTS form)
- News feed
(NEWS form)
- Share documents
(DOCUMENT form)
- Share info on case study or project
(CASE/PROJECT form)
- Share info on training and education
(TRAINING form)

- the Resource Centre

Home > Resource Centre > Document Sharing

Entering a 'keyword' will search the documents database for a matching author, title, document keyword or region.

Keyword Search

You can search by topic by selecting the topic you are interested in.

Select Topic

Type of Document

Type of Study

"Your search returned 10 results"

Document Title [author, year]
Review of the status and use of water resources in the Asia Pacific region
 [IUCN - Asia Regional Office, 2006]

[download](#)

A collaborative and adaptive approach to developing environmental recommendations
 [Richter, B. D., Warner, A. T., Meyer, J. L., Lutz, K., 2006]

[download](#) | [more](#) » [Size: 338KB]

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Stefano Barchiesi

Type of Study

- Assessment and Evaluation
- Ecology and Biology (Fish, Invertebrates, Aquatic plants)
- Economics (Valuation, Payments for Ecosystem services, Livelihoods)
- Engineering (Hydropower, irrigation)
- Geomorphology (Sediment Transport)
- Governance (Institutional structures, stakeholder participation)
- Hydrology (Hydraulics, groundwater, surface water)
- IWRM and River basin management
- Monitoring and Implementation
- Other
- Policy and Law
- Social (human well-being, cultural issues, communities, health)
- Tools and methods
- Water Quality

Type of Study

- Review (case studies, methods)
- Scientific Understanding

- Document Sharing



Home > Resource Centre > **Events Calendar**

Add Event

Events Archive

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SITE SEARCH

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Dates	Title	Venue	View	
05-Oct-2008 - 14-Oct-2008	The IUCN World Conservation Congress	Barcelona Spain		<input type="button" value="Edit"/>
06-Oct-2008 - 06-Oct-2008	Environmental Flows Learning Opportunity at WCC	Barcelona Spain		<input type="button" value="Edit"/>
07-Oct-2008 - 09-Oct-2008	Flow 2008	San Antonio, Texas United States		<input type="button" value="Edit"/>
15-Oct-2008 - 18-Oct-2008	IV International Symposium on Transboundary Waters Management	Thessaloniki Greece		<input type="button" value="Edit"/>
29-Oct-2008 - 31-Oct-2008	Water and Sustainable Development for Improved Livelihoods	Johannesburg South Africa		<input type="button" value="Edit"/>
12-Jan-2009 - 16-Jan-2009	The International Conference of Science and Information Technologies for Sustainable Mangement of Aquatic Ecosystems	Concepción Chile		<input type="button" value="Edit"/>
23-Feb-2009 - 26-Feb-2009	International Conference on Implementing Water Allocations	Port Elizabeth South Africa		<input type="button" value="Edit"/>
16-Mar-2009 - 22-Mar-2009	5th World Water Forum	Istanbul Turkey		<input type="button" value="Edit"/>
20-Apr-2009 - 23-Apr-2009	HydroEco'2009 - 2nd International Multidisciplinary Conference on Hydrology and Ecology; Ecosystems Interfacing with Groundwater and Surface Water	Vienna Austria		<input type="button" value="Edit"/>

- Events Calendar



Home > Resource Centre > **Case Studies**

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Select Type

- Select Type---

---Select Type---

 - Assessment and Evaluation
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 - Economics (Valuation, Payments for Ecosystem services, Livelihoods)
 - Engineering (Hydropower, irrigation)
 - Geomorphology (Sediment Transport)
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 - Other
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Project/Case

An Assessment of River Basins	Hydrology (Hydraulics, groundwater, surface water)	
An Assessment of the Walawe River Basin	IWRM and River basin management	
Assessing groundwater in the Aammiq Wetland	Monitoring and Implementation	
Environmental Flows: Improving Links	Other	
Environmental Flows Project	Policy and Law	
Environmental Flows and Integrated Water Resources Management: the Vomano River case study	Social (human well-being, cultural issues, communities, health)	
Environmental Flows Assessment for the Goulburn River, Australia	Tools and methods	
From Taking, to Capping to Returning: the Story of Restoring Environmental Flows in the Murray Darling Basin in Australia	Water Quality	
Green River in Kentucky: A partnership begins	irrigation)	
IWRM for the Sistan Inland Delta	Engineering (Hydropower, irrigation)	
Patuca River, Honduras	Engineering (Hydropower, irrigation)	
Planning for Environmental Water Allocations: An Example of Hydrology-based Assessment in the East Rapti River, Nepal	Engineering (Hydropower, irrigation)	
	Ecology and Biology (Fish, Invertebrates, Aquatic plants)	
	Assessment and Evaluation	
	Social (human well-being, cultural issues, communities, health)	
	Geomorphology (Sediment Transport)	

Advanced Search

Add Case Study

	Region	View
	Asia - Southern	
	Asia - Southern	
	Africa - Northern	
	Europe - Mediterranean	
	Africa - Southern	
	Europe - Mediterranean	
	Oceania - Australia and New Zealand	
	Oceania - Australia and New Zealand	
	Americas - North	
	Middle East	
	Americas - Central	
	Asia - Southern	

- Case Studies



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Home > Resource Centre > **Training & Education**

Search for course by course name or organisation/institution

[Add Training Event](#)

Training & Education

Course Name	Dates	Institution/University/Organisation	View
Short Course- Environmental Flows Assessment in River Basins	Not Applicable	International Water Centre	
Capacity Building for Integrated Water Resources Management	Not Applicable	Cap-Net	
Protecting Instream Flows: how much water does a river need?	Not Applicable	US Environmental Protection Agency	
Indicators of Hydrologic Alteration (IHA) Software Online Training	Not Applicable	The Nature Conservancy	
Course in SASS5: A Rapid Method for Water Quality Assessment	15-Apr-2008 to 17-Apr-2008	Nepid Consultants	
Adaptive River Basin Management Online Training	Not Applicable	NeWater, Global Water System Project	

SITE SEARCH

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- Training & Education

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My Contributions

Collaboration

Members

Environmental flows policies and practices across the globe

Meijer Karen
Korsgaard
Louise

The global environmental flows network has members from across the world. We would like to use the strength of this network to compile what is happening in your country on environmental flows. All members are welcome to update information through the collaborative platform. If you have any problems please email admin@eflownet.org

Initiated by: Cross Katharine

Created: 28 Aug 2008

Contribution Deadline: 01 Apr 2009

My contributions: 1

Uzbekistan

There is evidence of the proposed application of e-flows in the Amudarya River and Syr Darya River to benefit the Aral Sea (2003), EFA Bank-Netherlands Partnership. A review by the Regional Resource Centre for Asia and the Pacific identified as an action for implementation draft norms with regard to scientific substantiation of ecologically safe flow of Transboundary Rivers (UNEP 2004). However, there is no evidence of this being implemented.

Northeast Asia

China







The interest and use of e-flows in China has developed steadily in the last four years (Tharme and Smakhtin 2003). E-flows has been adopted within the Yellow River and Suzhou River with respective objectives for flushing sediment and water quality. Environmental Flow Assessments have been undertaken in the Zhangzi River. The Yellow River Conservancy Commission has been established and its regulation identifies that water allocation should include integrated management of domestic, agricultural, industrial and environmental water use (www.yrcc.gov.cn). There is also evidence of emerging research in hydrological engineering and aquatic ecology relevant to e-flows in China. However, there is no clear legislation or policies at a national level where e-flows have been explicitly recognised.

Korea

There is evidence of environmental flow adoption in the Kum River Basin, Korea (www.tag.washington.ed.au). There is evidence of e-flows being

- the Collaborative Platform

[Add New Topic](#)

Topics	Threads	Replies	Last Thread Info	Edit Delete
 Status and use of the eflow approach Share your knowledge and experiences on environmental flows policies and practices from your country or basin.	1	1	05-Sep-2008 11:32; By: Stefano Barchiesi	Edit Delete
 Environmental Flows and Human Health - Seminar 19 August, during Stockholm World Water Week In preparation for this seminar, eFlowNet invites you to participate in the present online discussion. We want to ensure that the latest knowledge about the linkages between healthy aquatic ecosystems (maintained by e-flows) and healthy people is represented in the World Water Week Seminar. This online discussion aims to highlight the research, experience, and broader knowledge of members of eFlowNet to help improve our understanding of such linkages	3	10	06-Jun-2008 03:10; By: Louise Korsgaard	Edit Delete
 Environmental Flow and the Millennium Development Goals (MDGs) Environmental Flows are important for reaching the MDG's	1	1		
 Environmental Flows, Integrated Water Resource Management (IWRM), Environmental Impact Assessment (EIA) Environmental Flows are an integrated part of other major concepts relating to water	4	12		
 Implementing Environmental Flows Topics include public participation, the science-policy nexus, dam operation etc	7	9		
 Tools and Methods Tools and methods issues	2	1		
 Comments and suggestions to eFlowNet Please share your comments and suggestions on eFlowNet - what can be improved??	2	5		

What are the current environmental flows polices and practices in your region and basin?

You are subscribed to receive Daily Digests for this thread. [Click to unsubscribe:](#)

Stefano Barchiesi
 Total Posts: 11
 Member Since:

Posted: 05-Sep-2008

For example:

CHINA

The interest and use of e-flows in China has developed steadily in the last four years (Tharme and Smakhtin 2003). E-flows has been adopted within the Yellow River and Suzhou River with respective objectives for flushing sediment and water quality. Environmental Flow Assessments have been undertaken in the Zhangzi River. The Yellow River Conservancy Commission has been established and its regulation identifies that water allocation should include integrated management of domestic, agricultural, industrial and environmental water use (www.yrcc.gov.cn). There is also evidence of emerging research in hydrological engineering and aquatic ecology relevant to e-flows in China. However, there is no clear legislation or policies at a national level where e-flows have been explicitly recognised.

INDIA

The e-flows approach has been adopted in India. The National Water Policy 2002 provides for e-flows as does the National Environmental Policy 2006. Adoption of e-flows is occurring at varying scales and levels of governance. Barriers to the implementation of the e-flow approach include, lack of funding and institutional mechanisms for IWRM, and awareness about the approach.

[Extracted from Review of the status and use of the e-flows approach in the Asia Pacific Region - http://www.eflownet.org/view_document.cfm?ID=63&linkcategoryid=13&siteid=1&FuseAction=display]

[Reply](#) | [Edit](#) | [Delete](#) | [Report Abuse](#) | [Top](#) | [Bottom](#)

Louise Korsgaard
 Total Posts: 38
 Member Since: Nov 2006

Posted: 09-Sep-2008

Reg. eflows in SINGAPORE:

Singapore is a small island state and its sparse freshwater resources are very valuable for domestic consumption. Environmental flows are not addressed. However, recent degradation of mangroves surrounding the island has created some interest in freshwater needs of mangroves (salinity control).

[Reply](#) | [Edit](#) | [Delete](#) | [Report Abuse](#) | [Top](#) | [Bottom](#)

- the Discussion Forum

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- Newsletter

- Web-based
- Printer-friendly
- Mass-mailed

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- Newsletter
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 - Mass-mailed
- Members section
 - Network registration
 - Expert database

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SITE SEARCH

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Region Name

Search Members By Region Name

Select an area of expertise or region

Areas of Expertise

--- Areas of Expertise ---

Select Region

--- Region Name ---

Search Summary:

Areas of Expertise: " **health**". Your s

Search Member Database by Alph

A B C D E F G H

- Region Name ---
- Region Name ---
- Africa - Central
- Africa - Eastern
- Africa - Northern
- Africa - Southern
- Africa - Western
- Americas - Carribean
- Americas - Central
- Americas - North
- Americas - South
- Asia - Central
- Asia - Eastern
- Asia - South-Eastern
- Asia - Southern
- Europe - Eastern
- Europe - Mediterranean
- Europe - Scandinavia
- Europe - Western
- Middle East
- Oceania - Australia and New Zealand
- Oceania - Pacific Islands
- Other

Q R S T U V W X Y Z

eFlowNet Members

	Full Name		Country	View Full Profile
1	Acharya Amitangshu Mr.			
2	Al-Khatib Issam Associate Professor		Jordan	
3	Budi Santoso Slamet Mr	Ministry of Public Works of The Republic Indonesia	Indonesia	
4	Design Swithun Mr	Designat7	Zimbabwe	
5	Forslund Anna Ms	Swedish Water House WWF	Sweden	
6	heng hock Dr	unirvesii tunku abdul rahman	Malaysia	
7	Jackson Brian Mr	Inkomati Catchment Management Agency	South Africa	

- the Members Database

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Home > Regional Networks



- Regional Networks

SITE SEARCH

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Network products II

- Factsheets
 - Country profiles
 - Methods
- Expert database

Region Name

Search Members By Region Name --- Region Name ---

Select an area of expertise or region

Areas of Expertise
 --- Areas of Expertise ---

Select Region
 --- Region Name ---

Search Summary:
 Areas of Expertise: " health". Your se

Search Member Database by Alph

A B C D E F G H Q R S T U V W X Y Z

--- Region Name ---

Africa - Central

Africa - Eastern

Africa - Northern

Africa - Southern

Africa - Western

Americas - Carribean

Americas - Central

Americas - North

Americas - South

Asia - Central

Asia - Eastern

Asia - South-Eastern

Asia - Southern

Europe - Eastern

Europe - Mediterranean

My Contributions

Collaboration

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Initiated by: Cross Katharine

Created: 28 Aug 2008

Contribution Deadline: 01 Apr 2009

My contributions: 1

Members

Meijer Karen
 Korsgaard
 Louise

Network products III

- Workshops and Conferences
 - Sessions at upcoming water events ([World Water Week](#) 2008, 5th World Water Forum)
- Training and capacity building
 - Workshop in Iguazu, Brazil
 - Working Group with TNC, UNESCO IHE, WWF





Discussion: progress? next steps?

- Regional network development
 - Latin America about to be launched
 - Southern and Eastern Africa
 - Asia-Pacific
 - Other regions to suggest?
- How do we engage members and initiate fruitful discussions?
- Do we need to improve our legitimacy?



If you want more information or to become part of **eFlowNet** please send an email to info@eflownet.org