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DOCKSIDE
Summer School
Battambang, 2 – 4 October 2018

WORKSHOP 2

Risk Management Approaches towards Transboundary

Water Resources Management

Trainers:

**Dewan Ahsan, Niels Vestergaard (University of Southern Denmark, SDU)
and Odile Delfour-Samama (University of Nantes, UN)**

This course will describe the principles of risk management strategies (particularly related to the transboundary river ecosystems) which includes legal aspects of international river management, techniques for decision making under uncertainty and risk, stakeholder involvement, cost-benefit analysis and game theoretical approach in transboundary river management. The training course will also put special emphasis on how to communicate the risk management strategies to the stakeholders/non-specialists for successful implementation.

Teaching methodologies:

The training course has both theoretical and practical perspectives on risk management of transboundary river ecosystems. The lecture will be delivered in English and will follow the styles of active learning rather than traditional pedagogical styles. Therefore, all participants need to actively take part in group works, discussions and presentations in class

(to strengthen the participants' ability to use the risk management tools on real-life cases studies). The participants will be divided into 4-5 working groups to encourage and enhance reflective learning.

Outcome of the course:

It is expected that after finishing this training, the participants will be able to:

- Use the theory and concepts from the course to evaluate/reflect upon existing risk management plans for transboundary water resources
- Classify various types of risk
- Prepare a risk management plan

Communicate the risk management plan to the stakeholders/non-specialists for successful implementation of natural resources management

Target participants:

MSc and /PhD students, governmental officials, NGO personnel and anyone who wants to become a Risk Manager.

Prerequisites:

It is expected that the participant should have the basic understanding of Microsoft Excel.

It is also expected that for gathering experience on how to prepare a risk management plan, each participant will bring a potential research topic/case related to transboundary natural resource management (e.g. wetlands, fisheries, aquaculture, mangrove forest, lakes, transboundary river environmental protection, etc.) based his/her research or professional interest. During the training workshop, the participants will have the opportunities to work on their cases (either individually or in a group) together with the trainers. ***However, please note that it is not mandatory to bring a case.***

Reading materials and lesson plan:

Pre-reading materials will be send to all participants at least 2/3 weeks prior to the course. Participants are requested to read the documents before the training. If necessary, additional background reading materials and handouts will be provided during the training sessions.

There will be two sessions/day. The duration of each session would be 3 hours with two breaks (20 mins in total). The training session plan will be send to all participants (via email or drop box) at least 2/3 weeks prior to the course.

Training on “Risk Management Approaches towards Transboundary Water Resources Management”, 02-05 October 2018

Date	Time	Activities	Lead person	Readings
2 October 2018 (Tuesday)	MORNING SESSION			
	08.15.-9.00	Welcome, self-introductions from the all trainers and participants, an overview on schedule, group formation and discussion on the practical issues	Dewan Ahsan, Niels Vestergaard, and Odile Delfour-Samama	
	09:00-10.00	Theory, concepts of risk and legal issues of transboundary water resources management	Odile Delfour-Samama	Lecture notes
	10.00-10.30	Tea-break		
	10.30-11.30	The legal framework applicable to international water courses: The United Nations Convention on the law of the non-navigational uses of international water courses.	Odile Delfour-Samama	Lecture notes
	AFTERNOON SESSION			
	13.45-15.30	Groups works on the effectiveness of the 1995 Mekong Agreement	Odile Delfour-Samama	Lecture notes
	15.30-16.00	Tea-break		
	16.00-17.00	The legal framework of international freshwater and of marine biodiversity: A comparative study	Odile Delfour-Samama	

Training on “Risk Management Approaches towards Transboundary Water Resources Management”, 02-05 October

Date	Time	Activities	Lead person	Readings
3 October 2018 (Wednesday)	MORNING SESSION			
	8.15-10.00	Application for risk assessment tool: Introduction to Cost-benefit analysis approach (CBA)	Niels Vestergaard	i) Sinden, J. A., & Thampapillai, D. J. (1995). Introduction to benefit-cost analysis. Longman Australia (Chapter 10) and ii) Lecture note
	10.00-10.30	Tea-break		
	10.30-11.30	Application for risk assessment tool: Cost-benefit approach (CBA)	Niels Vestergaard	i) Sinden, J. A., & Thampapillai, D. J. (1995). Introduction to benefit-cost analysis. Longman Australia (Chapter 7,8, and 9) and ii) Lecture notes
	AFTERNOON SESSION			
	13.45-14.30	Overview on Game Theoretical perspective on transboundary water management	Niels Vestergaard	Lecture notes
	14.30-15.30	Group work on Cost-benefit approach (CBA)	Niels Vestergaard	Will be given at class
	15.30-16.00	Tea-break		
	16.00-17.00	A presentation on some outputs of PhD research (Risk management issues in fisheries)	Jules Selles	

Training on “Risk Management Approaches towards Transboundary Water Resources Management”, 02-05 October 2018

Date	Time	Activities	Lead person	Readings
4 October 2018 (Thursday)	MORNING SESSION			
	8:15-10.00	Application of stakeholder perspective in risk management	Dewan Ahsan	Charles Fontaine et.al. 2006. Stakeholder theory and lecture note
	10.30-11.00	Tea-break		
	10.30-11.30	Application of stakeholder perspective in risk management	Dewan Ahsan	Charles Fontaine et.al. 2006. Stakeholder theory and lecture note
	LUNCH			
	Group/individual works on research topics chosen by the participants (Participants are advised to bring their own cases to work together with the trainers)			

References for further readings (if the link does not work, please let us know):

A structured approach to Enterprise Risk Management (ERM) and the requirements of ISO 31000.

https://www.theirm.org/media/886062/ISO3100_doc.pdf

Aaltonen and Kujala 2010. A project lifecycle perspective on stakeholder influence strategies in global projects. Scandinavian Journal of Management, 2010, vol. 26, issue 4, 381-397. <https://www.sciencedirect.com/science/article/pii/S0956522110000941>

Charles Fontaine et.al. 2006. Stakeholder theory.

<https://pdfs.semanticscholar.org/606a/828294dafd62aeda92a77bd7e5d0a39af56f.pdf>

Friedman. L.A. & Miles S. (2009). Stakeholders: Theory and Practice, Oxford University Press.

ISO 31000 Risk management Principles and Guidelines (2009): <https://www.iso.org/obp/ui/#iso:std:iso:31000:ed-1:v1:en>

Sinden, J. A., & Thamapillai, D. J. (1995). Introduction to benefit-cost analysis. Longman Australia