

## **Workshop 1: TRANSBOUNDARY RIVER MANAGEMENT AND WATER GOVERNANCE**

**Description:** This course will provide with an overall approach to the transboundary river management and water governance in the world and specifically in South-East Asia with a focus on the Mekong river region. Several tools and techniques are introduced as a solution to water issues, including quantitation of Water-Energy-Food nexus, application of bioeconomic models in multispecific fisheries management and identification of current issues in international water law and governance; outlining environmental and social impacts and risks of water exploitation with a specific case on the construction of hydropower dams along Mekong river; and finally the practice of game theory in solving water issues.

**Keywords:** Transboundary river governance, game theory, fisheries management, environmental and social impacts, dam safety, risk assessment.

-----

**The outcome of the course:** It is expected that after participating in this course, the participants will be able to:

- Have a broad understanding of river resources, and their functions and nexus from different perspectives;
- Identify the significance of environmental and social impacts regarding to the exploitation of water, especially the construction of hydropower dams;
- Participate in the preparation of a dam safety plan;
- Use the theory and concepts from the course to evaluate/reflect upon existing river management plans;
- Solve the conflicts among different users of water using game theory approach.

**Teaching methodologies:** The course is taught with the learner-based approach to promote the participation and involvement. The learners are encouraged to be actively engaged in group work, discussion and presentation.

**Trainers:** Tran Duc Phu, Dinh Thi Thuy Hang (VMU); Chayan Vaddhanaphuti (CMU); Niels Vestergaard (SDU); Lionel Lemiale (UN), Marcos Pérez, Laura Movilla Pateiro (VIGO).