

LIST OF AVAILABLE MOOC DEVELOPED BY INTENSE PROJECT PARTNERS

10/02/2022

Danh sách các Chuyên đề đào tạo phát triển bởi các trường thành viên trong khuôn khổ hợp tác dự án INTENSE.

Thông tin chi tiết của MOOC có tại:

<http://mooc.intense.network>

WATER MANAGEMENT AND POLICIES UNDER THE GROWING UNCERTAINTIES IN BIOPHYSICAL AND SOCIOECONOMIC SYSTEMS

1. Overall Introduction of the Water MOOC.
2. Water management at different scales.
3. Land use and climate change impacts on water resources (specific aspects in the partner countries).
4. Wetlands, ecohydrology and ecosystem services - Restoration of Peatland Ecosystem and Biodiversity in U Minh Region Mekong Delta, Vietnam - Dr. Le Phat Quoi - INRE and MSc. Tran Thi Bich Phuong, HCMUNRE, Vietnam.
5. Water pollution in river systems - Assoc. Prof. Hoang Thi Thu Huong, Dr. Tran Thanh Chi, INEST, HUST, Vietnam.
6. Water pollution in lakes and coastal zones.
7. Physical water management structures.
8. Integrated water management strategy.
9. Urban water management - The city blueprint approach.
10. Integrated transboundary water management - Assoc. Prof. Hoang Thi Thu Huong, Dr. Tran Thanh Chi, INEST, HUST, Vietnam).
11. Experiences with implementation of EU water directives in Ukraine.
12. Integrated coastal zone management of the Azov-Black Sea basin.
13. Uncertainty, Risk and Sustainability in water resources management.
14. Water management in agriculture.
15. Reservoir management for the protection and sustainable use of water and biological resources: An integrated approach.

THE PRECAUTIONARY PRINCIPLE AND SUSTAINABILITY TRANSITION

Module 1: Sustainability concept and precautionary principle

1. Early warnings and the precautionary principle.
2. IT tools - Geoinformation technologies in planning sustainable development of territories.
3. Sustainable land management and climate change.
4. Sustainability indicators.
5. Global sustainable development goals and Mongolian national framework for SDGs.
6. Local consumption.
7. Multiple Gaps in Sustainable Consumption.

Module 2: Sustainable consumption and production

1. Special protected area management and its sustainability.
2. Sustainable agriculture.
3. Sustainability of pasture.
4. Sustainable fisheries - Dr. Thai Phuong Vu, HCMUNRE, Vietnam.

5. Sustainable transport - Assoc. Prof. Nghiem Trung Dung, INEST, HUST, Vietnam.
6. Delta challenges - Dr. Thai Phuong Vu, HCMUNRE, Vietnam.
7. Social conflicts during econetwork creation and development.
8. Global impact of local consumption.
9. Multiple gaps in sustainable consumption.
10. Sustainable forestry.

NATURE-BASED SOLUTIONS AND GREEN-BLUE URBAN INFRASTRUCTURE

Module 1: Population and urban trends.

1. World population and urban development.
2. Introduction to SDG: SDG-11 Sustainable city and community.
3. Challenges facing urban landscape, European landscape convention.
4. Culture environment for sustainable cities.

Module 2: Ecosystem and NbS.

1. Ecosystem services and ecosystem-based adaptation - Assoc. Prof. Nguyen Thi Anh Tuyet, Dr. Nguyen Thuy Chung, INEST, HUST, Vietnam.
2. Nature Based Solutions to Climate Change Adaptation in Urban Areas.
3. Different forms of NbS.
4. Enabling conditions for NbS.
5. Mangrove forest vs. Climate changes - case study in Can Gio, Vietnam - Dr. Nguyen Thanh Ngan, HCMUNRE, Vietnam.

Module 3: Green-Blue infrastructure.

1. Urban nature and green-blue infrastructure.
2. Sustainable urban drainage systems (SUDSs) and case study.
3. Green walls and green roof.
4. Peri-urban-areas-and-case-study - Dr. Van Dieu Anh, INEST, HUST, Vietnam.
5. Rehabilitation of a former river: A case study of Vienna, Austria.
6. Green infrastructure for water management in post-Soviet Union countries, case study in Kharkiv.

INTEGRATIVE SOLUTIONS FOR SUSTAINABLE ENERGY DEVELOPMENT

1. Energy consumption, impacts and alternative approaches - Dr. Nguyen Lu Phuong, HCMUNRE, Vietnam.
2. Energy Development Plan - Assoc. Prof. Nguyen Thi Van Ha, HCMUNRE, Vietnam.
3. Energy development and current policies in developing countries.
4. Science-Policy Interactions over the Governance of nuclear disaster.
5. Green energy development and climate changes resilience.
6. Hydropower.
7. Waste to energy - Assoc. Prof. Nguyen Thi Van Ha, HCMUNRE, Vietnam.
8. Solar energy - Assoc. Prof. Nguyen Thi Van Ha, Assoc. Prof. Ho Thi Thanh Van HCMUNRE, Vietnam.
9. Fuel Cell- Assoc. Prof. Ho Thi Thanh Van HCMUNRE, Vietnam.
10. Energy Efficiency for Buildings - Dr. Ly Bich Thuy, INEST, HUST, Vietnam.
11. Energy Efficiency for Industries - Assoc. Prof. Nguyen Thi Anh Tuyet, INEST, HUST, Vietnam.