

Development of Teaching and Training Modules for Higher Education

on Low-Cost Wastewater Treatment



Asia-Link contract : VN/Asia-Link/12 (113128)
BELGIUM – DENMARK – VIETNAM - CHINA

Goal : Curriculum Development

Types of activities : Development of a new curriculum on low-cost wastewater treatment; preparation of course literature and teaching materials; and delivery to postgraduate students

Duration: 36 months from November 2005 till November 2008

Objectives: - Develop a teaching curriculum for new courses on low-cost wastewater treatment for MSc level students in Europe and Asia
- Strengthen and enlarge existing partnership between partner institutions

Project development:

2006: Develop curriculum

2007: Improve and finalize curriculum

Prepare teaching materials and implementation of curriculum

2008: Implement curriculum



Curriculum dissemination : English, Vietnamese, French and Chinese versions of the curriculum in national institutions



Curriculum Content

Chapter 1 : INTRODUCTION - GENERAL CONSIDERATION

Chapter 2 : DEFINITION OF LOW COST WASTEWATER TREATMENT SYSTEMS

Chapter 3 : COLLECTIVE PRE TREATMENTS REQUIREMENTS

Chapter 4 : COLLECTIVE PROCESSES - Waste Stabilisation Ponds

- Wetlands

- Intermittent sand Filters

- Evapotranspirative systems

- Anaerobic Processes

Chapter 5 : COLLECTIVE COMPLEMENTARY PROCESSES

Chapter 6 : INDIVIDUAL PROCESSES AND TECHNOLOGIES

Chapter 7 : NATURAL TECHNIQUES FOR SLUDGE TREATMENT

Chapter 8 : REUSE FOR TREATED WASTEWATER - AQUACULTURE

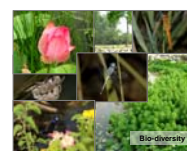
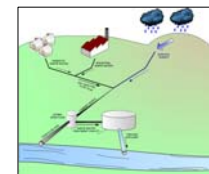
Chapter 9 : SLUDGE FOR AGRICULTURAL REUSE

Chapter 10 : FINANCIAL AND ECONOMIC ASPECTS

Chapter 11 : ENVIRONMENTAL IMPACT ASSESSMENT

Chapter 12 : LEGAL AND REGULATORY REQUIREMENTS

Chapter 13 : INSTITUTIONAL ASPECTS



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