

ASIA-LINK



Development of Teaching and Training Modules for Higher Education on Low-Cost Wastewater Treatment

Contract VN/Asia-Link/12 (113128)

Coordinator : Dimitri Xanthoulis

Summary



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- 1) **Title of Proposal:** **Development of Teaching and Training Modules for Higher Education on Low-Cost Wastewater Treatment**
- 2) **Programme Strand and Component:** Curriculum Development
- 3) **Types of Activity:** Development of a new curriculum on low-cost wastewater treatment plants building, joint preparation of course literature and teaching materials, and implementation to postgraduate students
- 4) **Duration of the Project (in months):** 36

5) **Project Abstract:**

a) The Project 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

b) Brief Keyword Description of the Main Activities (50-100 words)

The objective of the project is to develop a teaching curriculum for new courses on low-cost wastewater treatment for MSc level students in Europe and Asia. The course will review the different low-cost treatment methods existing in the partner countries and will focus on sharing the experience of the partner institutions. Course literature and teaching materials will be prepared, and study visits, workshops, and training sessions organised to upgrade the skills of the experts from the different universities. The curriculum developed for the MSc level will be implemented during three months in China and jointly reviewed by all partner institutions.

c) Milestones/Key Indicators

The project will result in a complete developed curriculum, already tested and improved. The teachers will be trained and will have in hand all the teaching materials needed to renew the experience through years. The project will raise awareness and strengthen the capacity of the involved professionals in alternative sanitation concepts and methods.

6) **Applicant Details:**

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7) Partners' Details (add more rows if necessary):

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1	Institute of Biological Sciences, University of Aarhus	Denmark	Name: Dr. Hans Brix Tel.: +45 8942 4714 Fax: +45 8942 4747 E-mail: Hans.brix@biology.au.dk
2	College of Environmental Engineering, Southwest University of Science and Technology (SWUST)	China	Name: Prof. Wang Chengduan Tel.: +86 816 6089989 Fax: +86 816 6089989 E-mail: wcd@swust.edu.cn
3	Faculty of Environmental Engineering, Hanoi University of Civil Engineering (HUCE)	Vietnam	Name: Dr. Leu Tho Bach Tel.: +84 4 8693405 Fax: +84 4 8693714 E-mail: leuthobach@hn.vnn.vn

8) Project activities:

Year 1													
	Semester 1						Semester 2						
Activity	1	2	3	4	5	6	7	8	9	10	11	12	Implementing body
1.Organise team planning workshop (Belgium)													FUSAGx, SWUST, HUCE, and Aarhus University
2.Develop an Internet platform													Subcontractor, FUSAGx, SWUST, HUCE, and Aarhus University
3.Prepare course literature and teaching materials													FUSAGx, SWUST, HUCE, and Aarhus University
4.Review the curriculum and pedagogical approach													SWUST, HUCE, FUSAGx, and Aarhus University
5. Present and promote the new curriculum													FUSAGx, SWUST, HUCE, and Aarhus University
6.Prepare and deliver training													FUSAGx and Aarhus University
7.Implement curriculum at SWUST and seek universities feedback													SWUST
8.Revise curriculum and teaching material													FUSAGx, SWUST, HUCE, and Aarhus University
9.Organise final workshop (Vietnam)													HUCE, SWUST, FUSAGx, and Aarhus University
10. Organise dissemination campaign													FUSAGx, SWUST, HUCE, and Aarhus University

Year 2													
Activity	Semester 1						Semester 2						Implementing body
	1	2	3	4	5	6	7	8	9	10	11	12	
1.Organise team planning workshop (Belgium)													FUSAGx, SWUST, HUCE, and Aarhus University
2.Develop an Internet platform													Subcontractor, FUSAGx, SWUST, HUCE, and Aarhus University
3.Prepare course literature and teaching materials													FUSAGx, SWUST, HUCE, and Aarhus University
4.Review the curriculum and pedagogical approach													SWUST, HUCE, FUSAGx, and Aarhus University
5.Present and promote the new curriculum													FUSAGx, SWUST, HUCE, and Aarhus University
6.Prepare and deliver training													FUSAGx and Aarhus University
7.Implement curriculum at SWUST and seek universities feedback													SWUST
8.Revise curriculum and teaching material													FUSAGx, SWUST, HUCE, and Aarhus University
9.Organise final workshop (Vietnam)													HUCE, SWUST, FUSAGx, and Aarhus University
10. Organise dissemination campaign													FUSAGx, SWUST, HUCE, and Aarhus University

Year 3														
Activity	Semester 1						Semester 2						Implementing body	
	1	2	3	4	5	6	7	8	9	10	11	12		
1.Organise team planning workshop (Belgium)														FUSAGx, SWUST, HUCE, and Aarhus University
2.Develop an Internet platform														Subcontractor, FUSAGx, SWUST, HUCE, and Aarhus University
3.Prepare course literature and teaching materials														FUSAGx, SWUST, HUCE, and Aarhus University
4.Review the curriculum and pedagogical approach														SWUST, HUCE, FUSAGx, and Aarhus University
5.Present and promote the new curriculum														FUSAGx, SWUST, HUCE, and Aarhus University
6.Prepare and deliver training														FUSAGx and Aarhus University
7.Implement curriculum at SWUST and seek universities feedback														SWUST
8.Revise curriculum and teaching material														FUSAGx, SWUST, HUCE, and Aarhus University
9.Organise final workshop (Vietnam)														HUCE, SWUST, FUSAGx, and Aarhus University
10. Organise dissemination campaign														FUSAGx, SWUST, HUCE, and Aarhus University