

### Background and Objective

While the Latin American and Caribbean Countries (LAC) experience a strong economic development, concerns on environmental degradation and contamination are continuously growing. The region faces serious challenges such as population growth, rapid urbanisation and industrialisation processes which require efficient environmental policies and programmes with respect to the sustainable management of natural resources.

The international master program "Environment and Resources Management" aims to qualify young professionals from Latin America and Germany to work successfully in the area of environmental management in an international context.

The program draws upon the expertise and experience of the well established and accredited master programmes "Multidisciplinary Postgraduate Programme on Environmental Sciences - PMPCA" (Universidad Autónoma de San Luis Potosí, UASLP) and "Technology and Resources Management in the Tropics and Subtropics - TERMA" (Cologne University of Applied Sciences, CUAS). Both programmes are offered at interdisciplinary units of the two prestigious universities.

Both institutions have decades of experience in interdisciplinary applied research in the fields of integrated water management, interactions between water and land resources and climate change, remediation of the contamination through mining residuals.



#### What do we offer?

- Double Degree: The Master course is composed of the two existing master courses MPPES and TERMA; therefore the students will obtain a degree of each university
- courses, internships and technical field visits on the latest concepts on natural resources management and environmental technologies
- training on project management and intercultural communication
- insight in ongoing projects of international cooperation
- field visits to relevant public and private institutions related to environment and resources management
- living and learning in Mexico and in Germany

#### What do we expect?

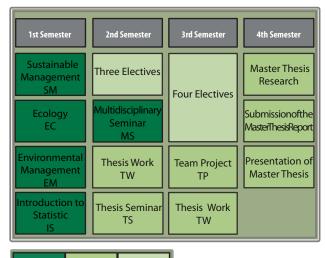
In order to participate you should

- have an academic background (minimum Bachelor degree) related to Environmental Management: natural sciences, engineering sciences, geography, agricultural or social sciences
- have an above average grade. For Mexican students, an average of minimum 8.0 is required, for other countries an equivalent average is necessary
- be fluent in English (TOEFL 550 points or equivalent)
- have fluent proficiency in Spanish for the German participants
- have basic knowledge of German language for Mexican and Latin American participants (advantageous)
- be highly motivated to learn in a multicultural environment

#### Program

The two years MSc. programme consist of three inclass semesters in Mexico and Germany as well as one semester for field research in Latinamerica and the elaboration of the Master thesis. Unterrichtssprachen sind Spanisch und Englisch.

**Overview of Modules:** 





Electives (Major areas):

- Mexico: Prevention and Control, Environmental Assessment, Renewable Natural Resources, Environmental Management, Environmental Toxicology
- Germany: Integrated Water Management, Enviromental and Land Use Management, Renewable Energy Management, Regional and Urban Management

## Career Perspectives

Graduates of the international master program will be prepared for a high-level professional performance and to contribute to the environmentally sustainable development. Potential employers are:

- international cooperation institutions
- universities and research centres
- NGOs
- government ministries or agencies
- consultings of the environmental development sector

# Facts and Figures

Who will participate?

 Mexican, Latin American, and German participants selected on a competitive basis

Scholarships by DAAD and CONACYT

- German students receive a partial scholarship for the time abroad
- Latin America students receive scholarship to cover their living costs throughout 4 semesters

#### Start of preparatory phase

Mid July each year



#### Contact

- Institute for Technology an Resources Management in the Tropics and Subtropics (ITT) Cologne University of Applied Sciences, Germany Tel/Fax: +49 221 8275 2774/2736 info-enrem@itt.fh-koeln.de http://www.tt.fh-koeln.de
- Multidisciplinary Postgraduate Programme on Environmental Sciences - PMPCA Autonomous University of San Luis Potosí, México Tel/Fax: +52(444) 8 262439/ 35 pmpca.enrem@uaslp.mx http://ambiental.uaslp.mex/pmpca

# Application

Application deadline:

28th of February each year

Application form and further information available under

www.enrem-master.info



Fachhochschule Köln Cologne University of Applied Sciences



# International Master Program

# Environment and Resources Management for Latin American and German young professionals

M.Sc.

## offered by

Multidisciplinary Postgraduate Program on Environment Science, San Luis Potosí MEXICO

and

Institute for Technology and Resources Management in the Tropics and Subtropics, Cologne GERMANY

#### supported by



