



RELACIONES EXTERIORES

SECRETARÍA DE RELACIONES EXTERIORES

AMEXCID

AGENCIA MEXICANA DE COOPERACIÓN
INTERNACIONAL PARA EL DESARROLLO

Cooperation Program for the Training of Human Resources

Analytical techniques of the Environmental Samples Laboratory

Course period: July 15th – July 19th 2024

Course number: 3





1. Concept

1.1 Objective/Main Goal

Train participants in carrying out detailed and specific physicochemical analysis to evaluate the quality and composition of waters from springs located in regions close to active volcanoes. In addition, they will acquire knowledge about water and soil bioremediation techniques to reduce the population's exposure to hydrocarbons and metals.

1.2 Target public

Chemical engineer, biochemical engineer, biologist or with interests focused on biotechnology and work in physicochemical analysis laboratories.

2. Description

2.1 Title

Analytical techniques of the Environmental Samples Laboratory

2.2 Course duration in Mexico

July 15th – July 19th 2024

2.3 Target country

Japan

2.4 Eligible / Target organization

This program is designed for:

Graduates from universities that teach related careers with the required profile and institutions homologous to Cenapred

2.5 Limit of participants

One

2.6 Language

English

2.7 Program Components

This program consists of mainly the following components:

2.7.1 Self-learning, workshops, visits to specialized laboratories

2.8 Contents

1. Physicochemical analysis of water from springs near active volcanoes
2. Bioremediation techniques
3. Bioremediation of soils contaminated with hydrocarbons
4. Treatment of water contaminated with salts (metals)
5. Monitoring parameters during bioremediation



3. Eligibility and procedures

3.1 Nominee qualifications

Applying organizations are expected to select nominees who meet the following qualifications:

- (a) Current Duties: This program is designed for Chemical engineer, biochemical engineer, biologist or with interests focused on biotechnology and work in physicochemical analysis laboratories.
- (b) Educational Background: Be graduated from chemical engineer, biochemical engineer or biologist.
- (c) Language Proficiency: Have a competent command of spoken and written English proficiency equivalent.
- (d) Technical Requirements (Technology Proficiency): Basic computer skills such as sending/receiving email with attachments, and using a web browser.
- (e) Health: Must be in good health to participate in the program in Mexico. To reduce the risk of worsening symptoms associated with respiratory tract infection, please, be honest to declares in the Medical History (Questionnaire on medical status restriction of the application form) if you have been a patient of following illness; Hypertension / Diabetes / Cardiovascular illness / Heart failure / Chronic respiratory illness.
- (f) Gender Equality and Women's Empowerment: Women are encouraged to apply for the program. AMEXCID is committed to promoting gender equality and women's empowerment and provides equal opportunities for all applicants regardless of their sexual orientation or gender identity.

4. Required Documents for Application

4.1 Application Form and Annexes

4.2 Photocopy of Passport: You should submit it with the application form if you possess your passport, which you will carry when entering Mexico for this program. If not, you are requested to submit its photocopy as soon as you obtain it.

4.3 An official English examination score. (e.g., TOEFL, TOEIC, IELTS)

5. Procedures for Application and Selection

5.1 Submission of the Application Documents

Closing date for applications: Please confirm the local deadline with the overseas office. (All required material must arrive at AMEXCID in Mexico by May 24th 2024)



5.2 Selection

Primary screening is conducted at the AMEXCID office after receiving official documents from your government. Final selection will be made by the Mexican institutions in consultation with experts in Mexico.

5.3 Notice of Acceptance

AMEXCID will notify the Embassy of Japan in Mexico the results, no later than May 31st, 2024.

6. Conditions for Participation

The participants of Cooperation Program for the Training of Human Resources, are required:

- 6.1. To strictly observe the course schedule.
- 6.2. Not to change the air ticket (and flight class and flight schedule arranged by AMEXCID) and lodging by themselves.
- 6.3. To understand that leaving Mexico during the course period (to return to home country, etc.) is not allowed.
- 6.4. Not to bring or invite any family members.
- 6.5. To carry out such instructions and abide by such conditions as may be stipulated by both the nominating Government and the Mexican Government in respect of the course,
- 6.6 To observe the rules and regulations of the program implementing partners to provide the program or establishments.
- 6.7 Not to engage in political activities, or any form of employment for profit.
- 6.8 To discontinue the program, should the participants violate the Mexican laws or AMEXCID's regulations, commit illegal or immoral conduct, get critical illness or serious injury and be considered unable to continue the course.
- 6.9 To return the total amount or a part of the expenditure for the Cooperation Program for the Training of Human Resources, depending on the severity of such violation, should the participants violate the laws and ordinances.
- 6.10 Not to drive a car or motorbike, regardless of an international driving license.
- 6.11 To observe the rules and regulations at the place of the participants' accommodation.
- 6.12 To refund allowances or other benefits paid by AMEXCID in the case of a change in schedule.

7. Administrative arrangements

7.1 Organizer

Mexican Agency for International Development Cooperation (AMEXCID)
Contact person: Nadia Vélez Campos (nvelez@sre.gob.mx)

Receiving institution: National Center for Disaster Prevention



7.1 Travel to Mexico

7.1.1 Air Ticket

AMEXCID will arrange an economy-class round-trip ticket between an international airport designated by AMEXCID.

7.1.2 Travel Insurance

Coverage is from time of arrival up to departure in Mexico. Thus, traveling time to outside Mexico (including damaged baggage during the arrival flight to Mexico) will not be covered.

7.2 Accommodation in Mexico

Mexican institutions will arrange the accommodation(s) or hotel(s) for the participants in Mexico.

7.3 Expenses

The following expenses in Mexico will be provided by AMEXCID:

- (1) Daily living expenses, shipping and medical insurance.
- (2) Medical care for participants who become ill after arriving in Mexico (the costs related to pre-existing illness, pregnancy, or dental treatment are not included)

The following expenses in Mexico will be provided by Mexican institutions:

- (3) Expenses for program implementation, including materials.