



وزارة البيئة  
Ministère de l'Environnement



# Three-year capacity building program in the field of waste management in African cities (2022-2024)

## 3rd ACCP Assembly

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## CITET, who are we?

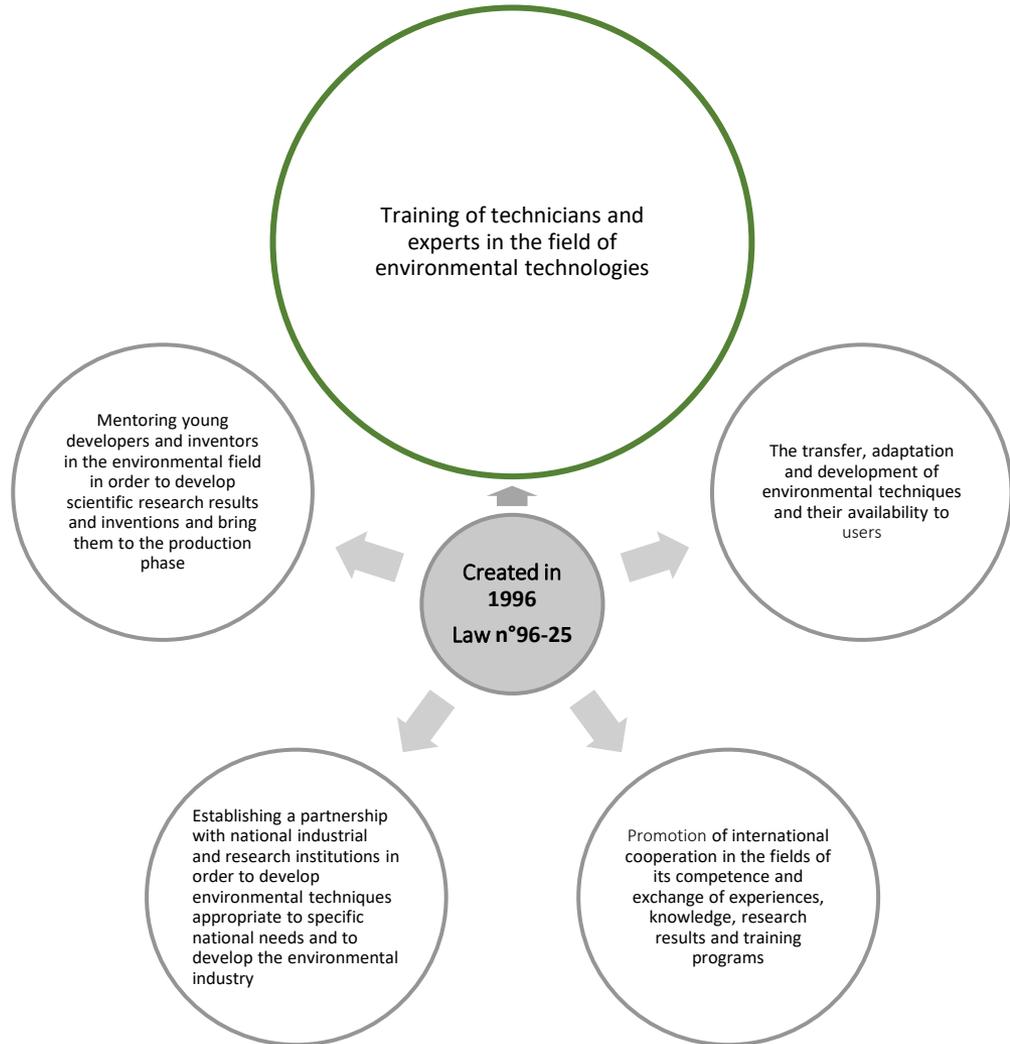
### International Center for Environmental Technologies of Tunis



- ✓ CITET was created in 1996 in response to the international recommendations of the RIO summit (1992) for capacity building in developing countries and support for the transfer of environmentally sound technologies.
- ✓ CITET is thus committed to developing national and regional skills to ensure the transfer of environmentally sound technologies that are well adapted to the local and regional context.

# CITET, who are we?

The mission of the Center is to acquire, adapt and develop new technologies, to promote environmental technologies and their production, to **strengthen national capacities** and to **develop the scientific knowledge** necessary for the elaboration and development of environmental technologies appropriate to specific **national and regional needs**, with a view to sustainable development.





# CITET, who are we?



## Certifications and recognition

- The training and capacity building activity is certified ISO9001
- Our environmental analysis laboratories are ISO 17025 accredited
- Selected since 2003 by the IAIA as a reference center in Tunisia, Africa and in the Arab and Mediterranean regions, for training in the field of environmental protection and sustainable management of natural resources.
- Selected by the International Telecommunication Union as a center of excellence for training in the field of environment and ICT for the period 2019 – 2023
- National Center for Cleaner Production
- Member of the United Nations Global Compact (CSR)





## CITET, who are we?



> 220 training modules developed in the following themes.

N°	Title
Thème 1	Environmental Regulation
Thème 2	Environmental Impact Assessment
Thème 3	Environmental Management
Thème 4	Urban Environmental management
Thème 5	Environmental Education
Thème 6	Environmental Communication
Thème 7	Water
Thème 8	Solid Wastes
Thème 9	Atmospheric Pollution
Thème 10	Economy of energy
Thème 11	Noise pollution and security
Thème 12	Industrial discharges
Thème 13	Fight against industrial pollution
Thème 14	Management of laboratories of analysis
Thème 15	Environmental project management
Thème 16	Protection of biodiversity
Thème 17	Scientific studies of ecosystems
Thème 18	Strategic Environmental Assessment
Thème 19	Water Economics
Thème 20	Climate change
Thème 21	Green Economy
Thème 22	Corporate Environmental Responsibility (CSR)
Thème 23	ICT and Environment

### Beneficiaries of our trainings



A network of approximately 300 national and international expert trainers



## Pedagogic means

### Sophisticated Analytical Laboratories for Experimentation



### A Documentation and Information Center



### Pilot Stations for Practical Illustrations



Margin treatment plant



Energy recovery plant for organic waste



Composting station



Hospital waste treatment plant



Wastewater treatment plant with macrophytes

## Logistics Means

- Modern training rooms equipped with computer, didactic and audiovisual material
- An amphitheater of 400 places fitted out for big events





## CITET, who are we?



### Logistics Means

### Distance learning platform (2021)

[citet-greentech-academy](https://citet-greentech-academy)





## Our regional and international training experience



Training theme	Public target	Partners	Period	Place
Wastewater management and recycling	Experts and senior officials from ICO member countries	SESRIC/ATCT	13-16/06/2022	Online
Environmental Impact Assessment	Environmental Experts form the PERSGA Member Countries	SESRIC/ATCT	30/11- 04/12/2020	Online
<b>Regional Training Workshop on E-waste Statistics in Arab Region</b>	Participants from MENA region	ITU	16-18 December 2019	CITET
<b>Regional Workshop on Managing Mercury from Lamps</b>	Executives from MENA countries	ONUDI	09 to 11 January 2018	CITET
Training workshop on classic and innovative tools for cleaner production	Environmental consultants from Senegal, Guinea and Cape Verde	ONUDI	17 – 20/05/2016	Dakar, Senegal
Regional Environmental Upgrading Workshop	Francophone African executives	ATCT/ BID	20 – 22/09/2016	CITET
<b>Solid Waste Management</b>	Francophone African executives	BADEA	From 05 to 23/05/2014	CITET
Negotiation of Access to Genetic Abstracts	African executives	GIZ	from 08 to 15/10/2008	CITET
Strategic Environmental Assessment	Gabonese executives	JICA	From 01 to 19/12/2008	CITET
<b>Urban solid wastes management</b>	Francophone African executives	JICA	From 15 to 26/12/2008	CITET
<b>Solid wastes management</b>	Francophones African executives	JICA	From 19/11 to 08/12/2007	CITET
Environmental Evaluation	Ivorian executives	JICA	From 03 to 15/12/2007	CITET
<b>Urban solid waste management</b>	Francophone African countries	JICA	From 11 to 29/12/2006	CITET
Environmental Impact Assessment	Francophone African trainers	InWent	From 21-23/12/2005	CITET
Fight against Industrial pollution	Francophone African trainers	InWent	From 20/09-08/10/2004	CITET





## Three-year capacity building program for waste management in African cities (2022-2024)

This three-year, three-session training program will provide an opportunity to learn best practices and lessons learned in sustainable waste management, build capacity in target countries to improve public health and preserve the environment, and initiate knowledge-sharing activities, promote public and private partnerships through the African Clean Cities Platform (ACCP).

- **Budget estimate** : 236'556 USD (80% JICA, 20% CITET)
- **Duration**: 3 ans (2022 - 2024), one training session per year
- **Duration of each training session**: 2 weeks (during the last quarter of each year)



## Three-year capacity building program for waste management in African cities (2022-2024)



### ■ Objectives of the programme:

- To learn from good practices and lessons learned on policy, institutional, regulatory, organizational and technical approaches to solid waste management, mutually among African countries and drawing on the experience of some countries that have developed some approaches in this sector that deserve to be shared
- Identify challenges and solutions to solve environmental and health problems, and improve waste management methods by combating insalubrity and offering the opportunity to create decent employment, especially for unemployed youth.
- To provide practical tools to support the implementation of the plan of concrete and proactive actions aiming at a healthy and sustainable waste management adapted to the contexts of the target countries;



# Three-year capacity building program for waste management in African cities (2022-2024)



## ■ Objectives of the programme:

- To create a network of communication and exchange of experiences and information between the participating countries through the African Clean Cities Platform (ACCP).

## ■ Beneficiary countries:

- Following consultations with JICA, we have decided to focus on the French-speaking countries of North Africa and Sub-Saharan Africa (West Africa and Central Africa) that face similar challenges and issues in the field of environment and sustainable development: **Algeria, Benin, Burkina Faso, Cameroon, Chad, Côte d'Ivoire, Comoros, Djibouti, Gabon, Guinea Conakry, Madagascar, Mali, Mauritania, Morocco, Niger, DRC, Senegal and Tunisia**



## Three-year capacity building program for waste management in African cities (2022- 2024)

### ■ Selection of candidates:

- A call for applications will be launched annually to 12 African countries (among the 17 countries identified beforehand) for the designation of their representatives who will benefit from this training program.
- Each country will nominate 2 participants: a senior official working in one of the ministries in charge of environmental protection, cleanliness and local affairs and a technician representing a sub-authority (municipalities, waste agencies,...).



## Three-year capacity building program for waste management in African cities (2022-2024)

### ■ Profile of the participants:

- Hold a university degree or equivalent.
- Work in the field of environment or cleanliness or local affairs (executives from the ministry in charge of the environment or communal environment or cleanliness agencies are preferred)
- Have at least three years of practical experience in the field of environment or cleanliness.
- Be able to make a presentation on the problems of their country/city, prepare an action plan, implement it upon return to their country, and report the status of implementation of this action plan to JICA after 06 months and share it on the ACCP platform.



# Three year capacity building program for waste management in African cities (2022-2024)



## ■ Pedagogical approach and methods

- The training will be organized in **plenary sessions** and **thematic round tables** (working groups) alternated by **technical visits** to waste treatment facilities.
- Tunisian and Algerian institutional actors operating in the waste management sector will present their experiences related to the training theme.
- The participants will have the opportunity to present the issues and challenges of their respective countries as well as their experiences in the field of waste management. Based on this exchange, working groups will be set up to develop concrete and proactive action plans to solve environmental and health problems.



# Three year capacity building program for waste management in African cities (2022-2024)



## ■ Pedagogical Approach and Methods

- Japanese expertise will be mobilized to present the Japanese experience on aspects relevant to the context of African countries.
- The trainers, who will ensure the preparation and the animation of the training program, are experts in the field, selected for their academic background, their business expertise and their pedagogical competence in the field of waste management.
- Particular attention will be paid to the development of country action plans by the participants themselves and to the follow-up of the implementation of these action plans from year to year. This will also allow to strengthen the synergy and the networking between the different actors of each country as well as between countries.



# Three year capacity building program for waste management in African cities (2022-2024)



## ■ Programme content

- The duration of a training session is two (02) weeks, divided into theoretical and practical training (i.e. five effective days per week).
- In order to respond to the real needs and challenges of the countries, the content of the program will be designed in an evolving manner during the three years to accompany the beneficiaries in a continuous improvement process of their waste management system from the collection and management of waste in order to respond to purely sanitary and environmental imperatives to the adoption of a circular economy approach and efficient use of resources to respond in addition to socio-economic imperatives in terms of creation of green jobs and promotion of entrepreneurship in the waste management sector.

## Three year capacity building program for waste management in African cities (2022-2024)

### ■ Program content

- Each training session will be conducted in five sessions :
    - ❖ Session N°1: Presentation of the current situation and strategies of the participating countries in the field of waste management.
    - ❖ Session 2: General overview of the legal, regulatory and institutional framework in the field of waste management.
    - ❖ Session N°3: Presentation of innovative concepts and concrete actions related to integrated and sustainable waste management.
    - ❖ Session N°4: Guided technical visits of some waste management facilities.
    - ❖ Session N°5: Organization of round tables for the elaboration of action plans for each participating country.
- **The content of the program will be adapted each year based on the monitoring/evaluation system after the previous cycles.**



**Thank you for your attention**

