
INDUSTRIAL COUNCIL FOR TECHNOLOGY & INNOVATION

VISION

To be the leading providers of technology and innovation related services in the MENA region.

MISSION

Advocate policies, design and implement Technology Transfer & Innovation support programs that aim at enhancing the competitiveness of the Egyptian Industry in global markets while adding to the national income and boosting job opportunities.

TECHNOLOGY & INNOVATION CENTERS

- **10 Sector Specific Technology Centers**

- Technology Centers

- Food & Agri-Industries
 - Mining Industries & Marble
 - Leather Tanning
 - Leather Industries
 - Plastics
 - Engineering Industries
 - Furniture
 - Fashion & Design
 - Textile Development
 - Jewelry & Creative Industries

- **2 Cross Cutting Technology Centers**

- Cleaner Production
 - Quality & Productivity Improvement

- Technology Partners

- AINIA / UNIDO / SECO
 - MARMOMACCHINE / IS.I.M
 - INESCOP
 - ASSCOMOPLAST
 - GIZ
 - CONFEMADERA / FIRA / CATAS
 - Burgo Institute
 - ASRT

- UNIDO / KERAMIK
 - JICA

MAIN PILLARS

- Innovation Support
- Technology Transfer

TARGET GROUPS

- Existing industrial Facilities
- Start-ups & Entrepreneurs

SERVICES

- In house Technical assistance
- Incubation Services
- Product Development facilities
- Access to financial instruments.



FACILITIES

- 5 Laboratories
 - Furniture Lab
 - Plastics Lab
 - Leather Tanning & Leather Products Lab
 - Marble & Granite Lab
 - Food & Agri-Industries Labs
- 5 Incubators
 - Engineering Industries Incubator
 - Plastics Incubator
 - Leather Incubator
 - Fashion Incubator
 - Creative Industries Incubator

GREEN ENTREPRENEURSHIP INITIATIVES & PROJECTS

GREEN GROWTH

Aims to develop and enhance the Industrial Waste Management and SME Entrepreneurship Hub in Egypt through:

- 3 pilot projects
- Matching the producers with recyclers
- identifying the technology
- Technical and financial feasibility study for the projects
- Providing non-financial technical assistance services
- Linking to existing sources of finance
- Supporting in acquiring the necessary certificates for the market.

ALTERNATIVE FUEL USAGE BY CEMENT INDUSTRY IN EGYPT

Alternative Fuels include:

- Industrial waste
- Agriculture waste
- Water Treatment Sludge
- Refuse-Derived Fuel (RDF)
- Drilling Fluids and Other Petroleum wastes

Project Impacts:

- Creating Job opportunities in the collection and preparation of the alternative fuel
- Decreasing production cost of Cement
- Decreasing the demand on Natural Gas through providing new sources of energy
- Decreasing the amount of non-recyclable waste by using them as source of energy



SOLAR WATER HEATER

- Production of local Solar Water Heaters through local supply-chain with 90% local manufacturing share & 30% cost cut in compliance with SHAMCI

NAWART PROGRAM

- "Nawart" is a Renewable Energy Entrepreneurship support program that is designed to encourage entrepreneurs to contribute to building a Renewable Energy Sector in Egypt.
- The program is sponsored by Pricewaterhouse Coopers (PwC) Egypt and Cleantech Arabia and is supported by the GIZ Responsible & Inclusive Business Hub MENA (RIBH MENA) and the Ministry of Trade and Industry's Industrial Council for Technology & Innovation.

RECYCLING OF QUARRIES WASTE

Aims to establish the first industrial incubator in Minia Governorate for optimization of the remnants of marble and limestone quarries, with the following expected results:

- Reuse of about 5 million tons per year of waste
- Production of new high value-added products
- Creation of about 1,200 job opportunity

WOOD BOARDS FROM PALM TREES

- Using Palm leaves in producing low price value added wood boards to be used in furniture manufacturing



ZERO AWARD IN COOPERATION WITH GIZ

- The Zero award aims at spreading the idea of environment-friendly innovations as a base for sustainable development.



SWITCHMED GREEN ENTREPRENEURSHIP TRAINING

INTRODUCTION

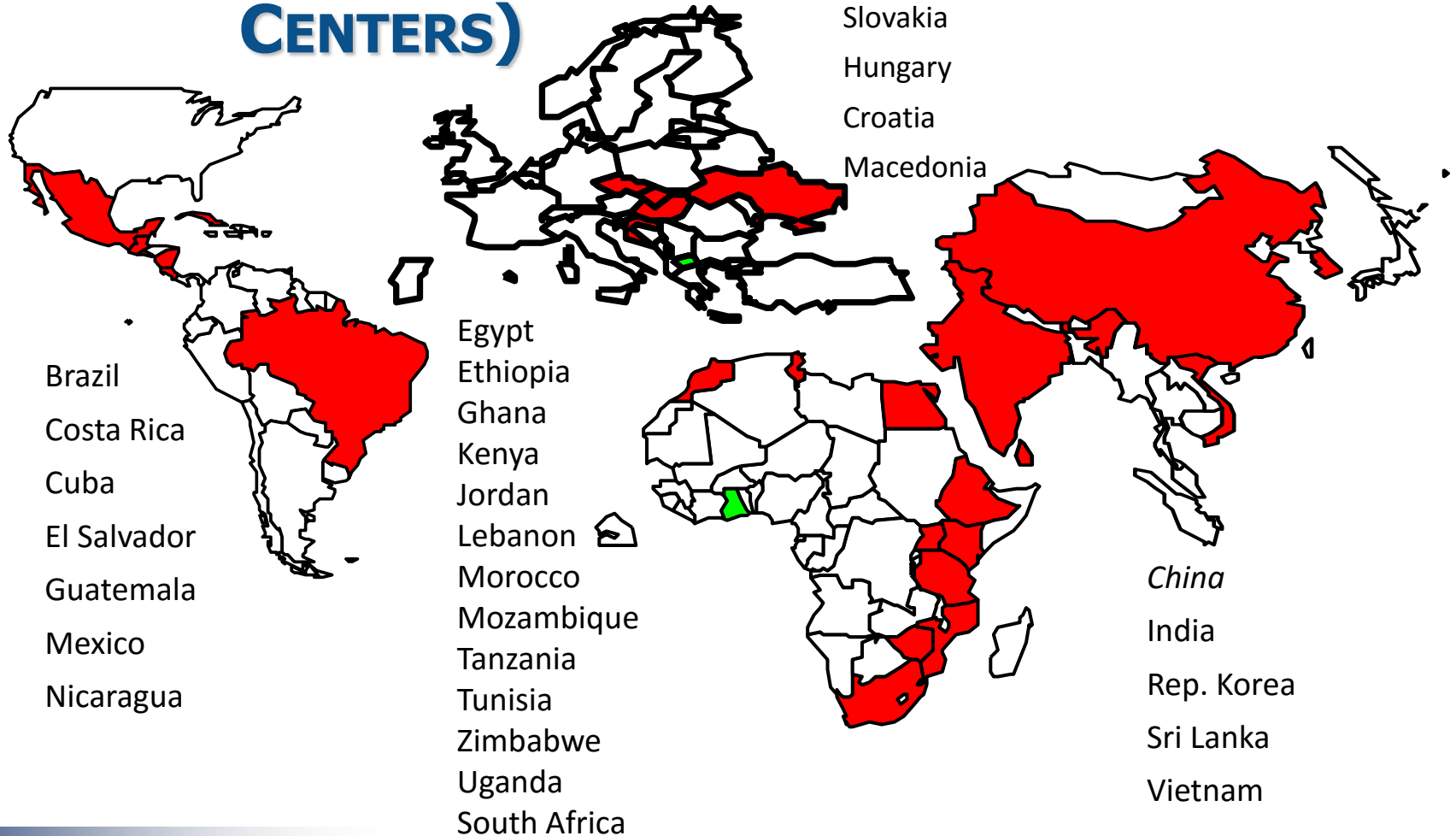
EGYPT NATIONAL CLEANER PRODUCTION CENTRE

The Egypt National Cleaner Production Centre (ENCPC) was established as a service provider for the Egyptian Industry in 2005 by the Ministry of Trade and Industry in close cooperation with the United Nations Industrial Development Organisation (UNIDO) as a part UNIDO/UNEP global network of NCPCs/NCPPs (51 centres) and part of the Egyptian Industrial Council for Technology and Innovation.

With support from:

- Swiss Government
- Austrian Government
- Contribution by the Egyptian Government

NCPC NETWORK WORLDWIDE (51 CENTERS)



ENCPC MAIN SERVICES

- Resource Efficiency and Cleaner Production (RECP) Assessments
- Energy Efficiency and Industrial Application of Renewable Energy
- Industrial Chemicals and Chemicals Waste Management
- Industrial waste Valorization
- Transfer of Environmental Sound Technologies
- Green Entrepreneurship

ABOUT switchmed

The **SwitchMed Programme** is a regional initiative funded by the European Union that aims to facilitate the shift towards more sustainable consumption and production methods in the Southern Mediterranean Region.

SwitchMed is implemented by the joint efforts of:

- SCP/RAC (Regional Activity Centre for Sustainable Consumption and Production)
- UNIDO (United Nations Industrial Development Organization),
- UNEP-MAP (United Nations Environment Programme – Mediterranean Action Plan)
- UNEP-DTIE (Division of Technology, Industry and Economics).

In Egypt, the national focal point for the coordination of the activities to support green entrepreneurship is **Ministry of Industry and Trade**.



switchmed

GREEN ENTREPRENEURSHIP PROGRAMME

The Project is implemented in 8 countries in the South Mediterranean like (Tunisia, Lebanon, Morocco, Egypt,...)

The project is implemented in Egypt By:

- SCP/RAC (Regional Activity Centre for Sustainable Consumption and Production in Spain)
- Egypt National Cleaner Production Center (ENCPC)
- Nahdet El Mahrousa (NM)



switchmed

GREEN ENTREPRENEURSHIP PROGRAMME

The SwitchMed Training Programme is looking for green entrepreneurs, either individuals or in a group, who can start-up and develop economic projects that will create ecological and social value.

The aim of the training programme is to provide practical training tools for the implementation of the **green business** concept proposed by the selected green entrepreneurs.



switchmed

GREEN ENTREPRENEURSHIP PROGRAMME

Likewise, those individuals taking part in the training programme will develop the **green business plan**, which will enable them to steer the creation of their green business.

In a second phase, the green entrepreneurs with the best projects will be selected and will receive advice and assistance in launching their green business.

**Project
Idea**



**Green
Business
Model**



**Green
Business Plan**



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GREEN ENTREPRENEURSHIP PROGRAMME

Program Methodology

1. Selection of **160 Green Entrepreneur** to be divided into 8 groups (20 Entrepreneur per group)
2. The selected 160 Entrepreneur will receive **5 days training** spread over several weeks within a 3 months period
3. The training will be led by the Egyptian experts who are specially trained as part of the programme
4. At the end of the training, **30** of those entrepreneurs will receive one-year technical and financial advice, and **9** will be with financial support from the participating countries
5. The training costs will be covered by the SwitchMed Programme.



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GREEN ENTREPRENEURSHIP PROGRAMME

Selection criteria:

1. Proposal of an innovative green business concept, to be developed, which is economically viable and which will have a positive impact at an ecological and social level such as:

- Waste processing
- Recycling and recovery
- Biogas and Biodiesel Production
- Depollution/sanitation
- Renewable Energy
- Energy Efficiency
- Clean Industry Services
- Sustainable Construction
- Sustainable Transport
- Any other Green Activities (Eco Tourism, Organic Agriculture and Textiles,..etc)



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GREEN ENTREPRENEURSHIP PROGRAMME

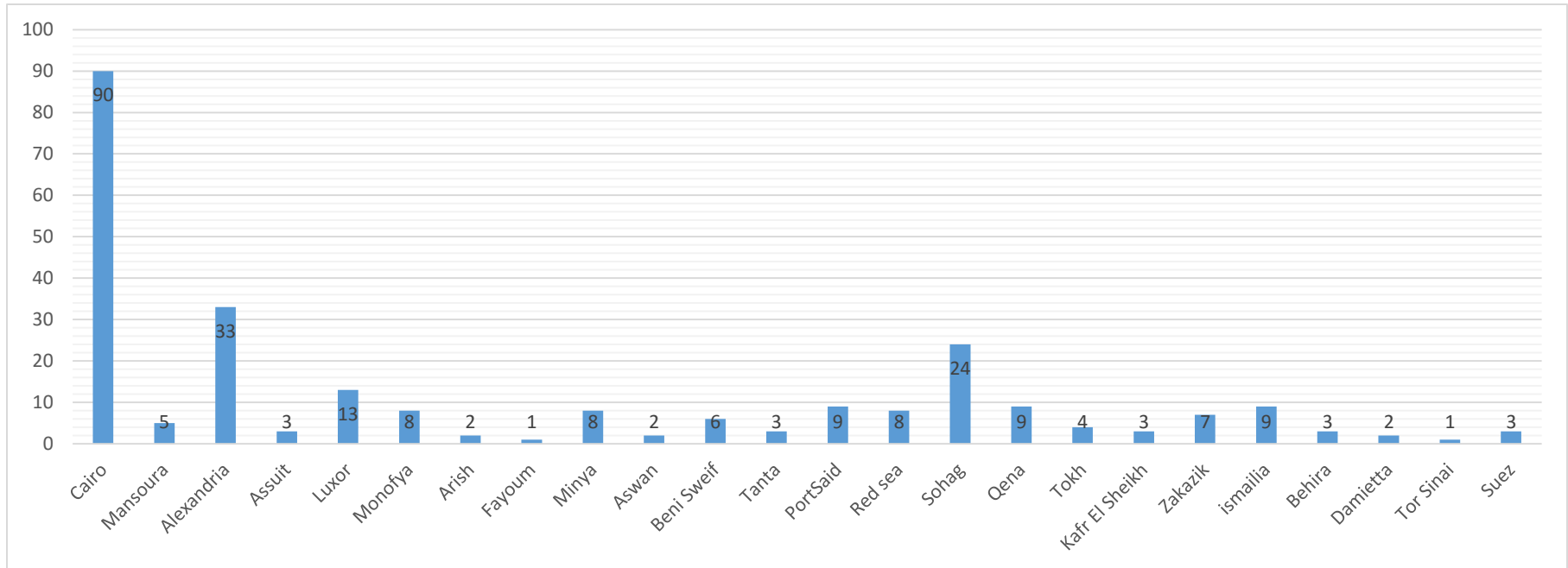
Selection criteria:

2. **Qualification level:** A professional diploma or university degree will be an asset.
3. Previous experience in a relevant field relating to the proposed project specifics is desirable.
4. Place of residence: Residence in **Egypt**.

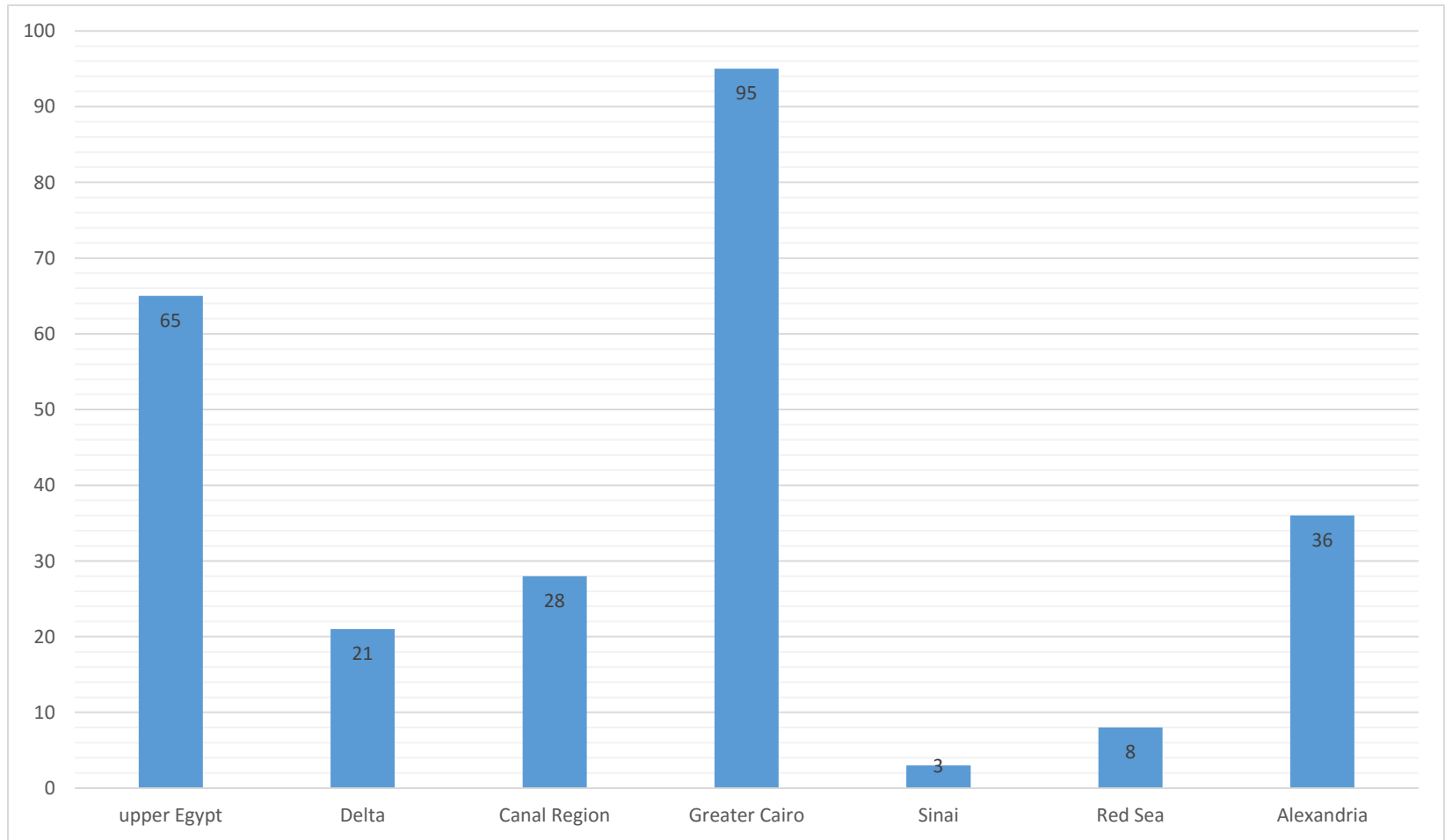
PROJECT FACTS

- Number of Applications Received: **521 Application**
- Number of Accepted Applications: **256 Green Entrepreneur**
- **20%** of the accepted Green Entrepreneurs are **Females**
- Locations of the 8 training workshops:
 - **Cairo:** 4 rounds
 - **Alexandria:** 1 round
 - **Canal Region:** 1 round
 - **Sohag:** 1 round
 - **Luxor:** 1 round

PROJECT FACTS



PROJECT FACTS



QUESTIONS AND DISCUSSION

