

# Climate protection through circular economy in Tunisia (ProtecT)

## Background

Tunisia has made significant achievements in the field of waste management and urban sanitation in recent years. The most important milestones for this sector are: the development of strategies (PRONAGDES and PRONGIDD); the creation of the National Waste Management Agency (ANGEd) ; the promulgation of certain regulatory drafts; the construction of Waste Landfill Centers and Waste Transfer Centers; and the development of a few waste recovery channels.

While involving the private sector in the operation of controlled landfills and transfer centers is also a strategic option, the current partnership with the private sector remains to be optimized, especially with the development of recovery options.

In addition, the country has created a new policy in recent years, thus constituting a paradigm shift in the sector, with an orientation towards a circular economy. Material or energy recovery emerges as the main orientation. In relation to the national assessment of greenhouse gas (GHG) emissions, waste is not considered to be a very significant sector. With emissions of 2.2 MteCO<sub>2</sub> (Million tons of CO<sub>2</sub> equivalent) in 2012 it represents 5% of gross national emissions.

However, with an average annual growth estimated at 5.3%, these emissions are likely to become significant in the future.

On the other hand, Tunisia has updated its NDC (National Determined Contribution), by raising its mitigation ambitions, in particular through the reduction of the national carbon intensity by 45% by 2030, compared to its 2010 level. To achieve this objective, the waste sector aims to increase its commitment to GHG mitigation under the NDC so that it will contribute 6% to this effort. Thus, in 2030, according to the low-carbon (BaC) scenario, emissions from the waste sector would reach 4 MteCO<sub>2</sub>, i.e. 1.2 MtCO<sub>2</sub> (23%) below the emissions set in the Business-as-Usual (BaU) scenario.



Project title	Climate protection through a circular economy in Tunisia (ProtecT)
Commissioned by	Federal Ministry for Economic Cooperation and Development (BMZ)
Country	Tunisia
In cooperation with	Ministry of Environment (MEnv) National waste management agency (ANGEd)
Durée	June 2020 - May 2024

## Approaches

Based on the Tunisian German technical cooperation agreements, the Federal Ministry for Economic Cooperation (BMZ) has commissioned GIZ to carry out the project entitled “Climate protection through circular economy in Tunisia (ProtecT)», which main objectives are to improve the capacities of national and local actors, the integration of aspects related to the circular economy (CE) and climate change (CC) in the management of solid waste, while promoting the creation of employment and gender equity. Carried out jointly by the Ministry of the Environment, ANGEd and GIZ, the project will adopt different approaches :

1. Improving the strategic framework for the implementation of a job-creating, climate-friendly and gender-sensitive circular economy ;
2. Strengthening of institutional capacities at national and local level ;
3. The promotion and development of partnership models to increase private sector participation in this area ;
4. Sensitization of political decision-makers, civil society actors and in the education system for CC and CE.



1- Plastic waste collection center (Ecolef)  
2- Unit for recycling and processing of used vegetable oils into biodiesel  
3- Collection center for electrical and electronic waste (W3E)  
4- Sorting and recycling center

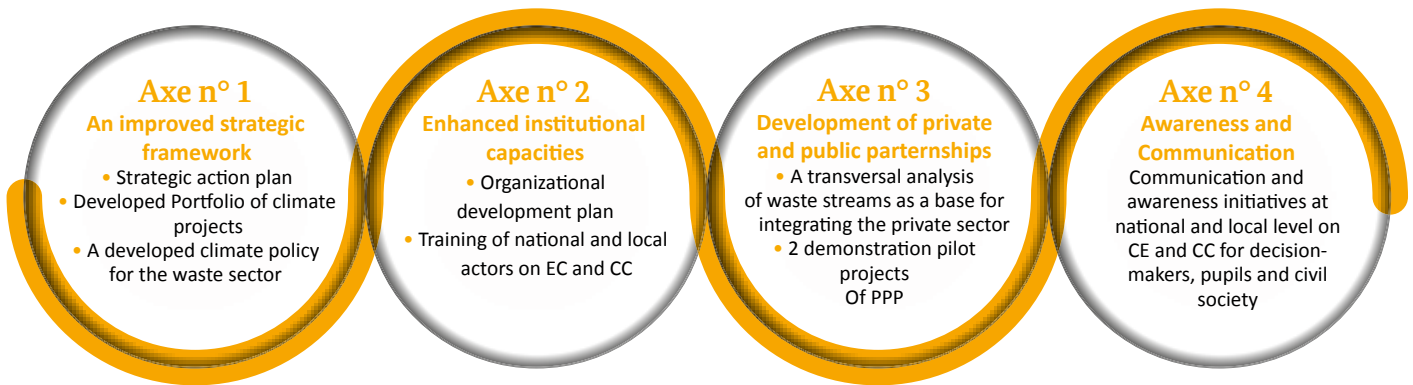


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## Outputs, activities and expected results

Project outputs will be achieved through activities to establish a climate-friendly circular economy that promotes employment and gender aspects according to the following axes :



## Expected Impacts

The expected impacts of this project will be :

- Policy makers have the necessary instruments (e.g. action plans) for a better integration of CE and CC;
- Partners use innovative concepts for their medium and long term development or institutional repositioning;
- The climate change unit within ANGeD is strengthened and able to provide data as well as the monitoring needed for the implementation of the NDC and the reporting required by the Paris Agreement;
- Local actors and municipal employees are trained in the field of CE and CC;
- Public-private partnership (PPP) models and climate-friendly technology solutions will be used;
- The Civil society and the educational system are better informed about the CE and CC.

## Covid-19 response action

Following the health emergency and the increased production of large quantities of waste from health care activities with infectious risks (DASRI), and considering the increased environmental load, appropriate responses and countermeasures must be taken to prevent and minimize the damage associated with this waste. To this end, ProtecT will support ANGeD and the National Environmental Protection Agency (ANPE) in :

- The development of a digital platform to better manage these DASRI stream,
- The supply of protective equipment and logistical material for the monitoring operation,
- The creation of a communication and awareness-raising campaign on proper management of these waste.

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