



Cofinancé par
l'Union européenne



*Against the
pollution of*
**BIZERTE'S
LAKE**



1st investment project labelled within the Euro-Mediterranean Horizon2020 initiative

This program constitutes a real bundle of integrated actions, linked by the same common objective to clean up the surrounding area of the Bizerte lake and to improve the quality of the lake water and the state of its ecosystems. **Located in Northern Tunisia, the Bizerte Lake is connected to the Mediterranean via a 7 kilometre channel.**

The design of the program was carried out within the framework of a participative approach led by the Ministry in charge of the Environment and which involved the various components of the civil society, the economic actors of the area, as well as the regional and central authorities.

Technical and financial support was provided by the European Investment Bank (EIB) on the basis of preparatory work carried out by the Mediterranean Hotspot Investment Program - Project Preparation and Implementation Facility (MeHSIP-PPIF).

The program has four main infrastructure components and a series of support components for project management, institutional capacity building and sustainability of expected results.

Infrastructural components

Intervention 1 : Industrial depollution

Steel Company of El Fouladh : 4 project

Tunisian Company of Refining Industries (STIR) : 2 projects

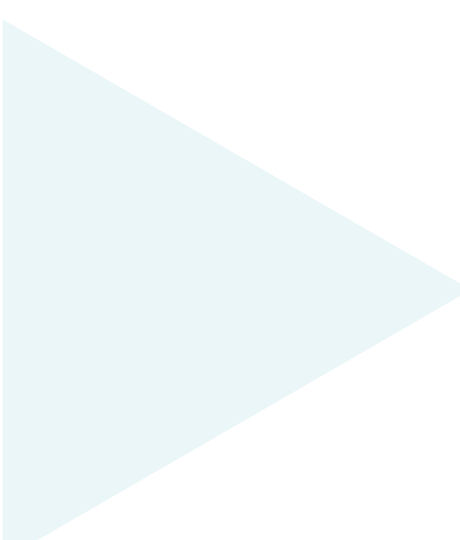
Company of Cements of Bizerte (SCB) : 1 completed project

Company of Cements of Bizerte (SCB)

- Installation of a battery of “High Performance” bag filters for the large furnace (reduction of pollutants in atmospheric emissions).

Intervention 2 : Water treatment

National Sanitation Utility (ONAS)

- Emergency measures - Rehabilitation works of the sewerage network of about 15Km.
 - Modernization of 3 sewage treatment plants in Bizerte, Menzel Bourguiba and Mateur (Improvement of domestic wastewater treatment).
 - Rehabilitation and extension of the network (connection of military barracks and rural areas to the ONAS network).
 - 130 km to be rehabilitated and 160 km to be extended (to be confirmed through the detailed studies underway).
 - Pilot project for wastewater management in a rural area (individual sanitation for houses in rural areas).
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Intervention 3 : Solid Waste Management

National Agency for Waste Management (ANGED)

- Rehabilitation of the old industrial dump of Menzel Bourguiba.

Intervention 4 : Coastal infrastructure

Ministry of Agriculture - Agency for the Protection and Development of the Littoral (APAL)

- Extension of the artisanal fishing port of M. Abderrahmane (less exposure to storms and better operating conditions).
- Creation of a coastal esplanade to the east of the port of M. Abderrahmane (between the houses and the waterfront).

Technical assistance for the implementation of the program

- Program management and service contracts for the design and supervision of the works (ONAS, APAL, DGPA).
- Feasibility study for the creation of an integrated final treatment center for special industrial waste in the region.
- Assistance to the transition of ONAS - IFRS (AT - EBRD).
- Long-term financial visibility of ONAS (TA - EBRD).
- Implementation of the Environmental and Social Action Plan (TA-EBRD).

Institutional strengthening - Governance - Sustainability actions

- Implementation of an environmental monitoring system of the Bizerte lake watershed Scientific Research Fund.
- Governance and capacity building (Cellule H2020).
- Funds for environmental awareness actions.
- Funds for sustainability (pilot projects, studies).
- Analysis of vulnerability to climate change.
- Support for environmental management in the private sector (non-state plants, agricultural sector).
- Climate change: Risk analysis of the region's vulnerability to CC and proposal of an action plan.

Communication and visibility

Actions aimed at disseminating the lessons of the Project and its innovative aspects in order to promote emulation at the national level and in the Mediterranean region.



Program cost and funding

90
million
euros

total cost of the program

40
million
euros

direct financing by the European Investment Bank (EIB) through a sovereign credit of the Tunisian State retroceded to the public industrial establishments and ONAS.

40
million
euros

allocated directly to ONAS by the European Bank for Reconstruction and Development (EBRD)

14,8
million
euros

Contribution of the State

Component	Coût estimé (M€)
Industrial depollution	30.953
Sewage treatment	36.447
Waste management	1.3
Coastal infrastructure	2.6
Technical assistance for the implementation of the program	2.950
Contribution of the Tunisian government	14.8
Environmental monitoring and institutional support & governance	2.5
Sustainability actions	1.250

Program Team

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