



**Mediterranean Hot Spot Investment Programme:**  
*Project Preparation and Implementation Facility*  
(MeHSIP-PPIF)

**Horizon2020**  
INVESTMENT COMPONENT | MeHSIP-PPIF

**4th Horizon 2020 Steering Committee Meeting**  
*22 March 2011, Amman*

**POLLUTION REDUCTION PROJECT COMPONENT**

**Mr. Tim Young, Team Leader MeHSIP-PPIF**



- City
- Environmental hotspot
- ◇ Wastewater management project
- ☆ Municipal waste project
- △ Industrial emissions project
- Completed project
- Ongoing projects
- Under preparation



Horizon2020

250 km

# Pipeline Evolution & MeHSIP-PPIF

## Horizon 2020 Pipeline:

- currently 78 projects (planned, ongoing or completed) mostly originating from NAPs
- currently 29 projects (€1.49bn) yet to secure funding/financing



## Stakeholder Involvement – Project Momentum Stages

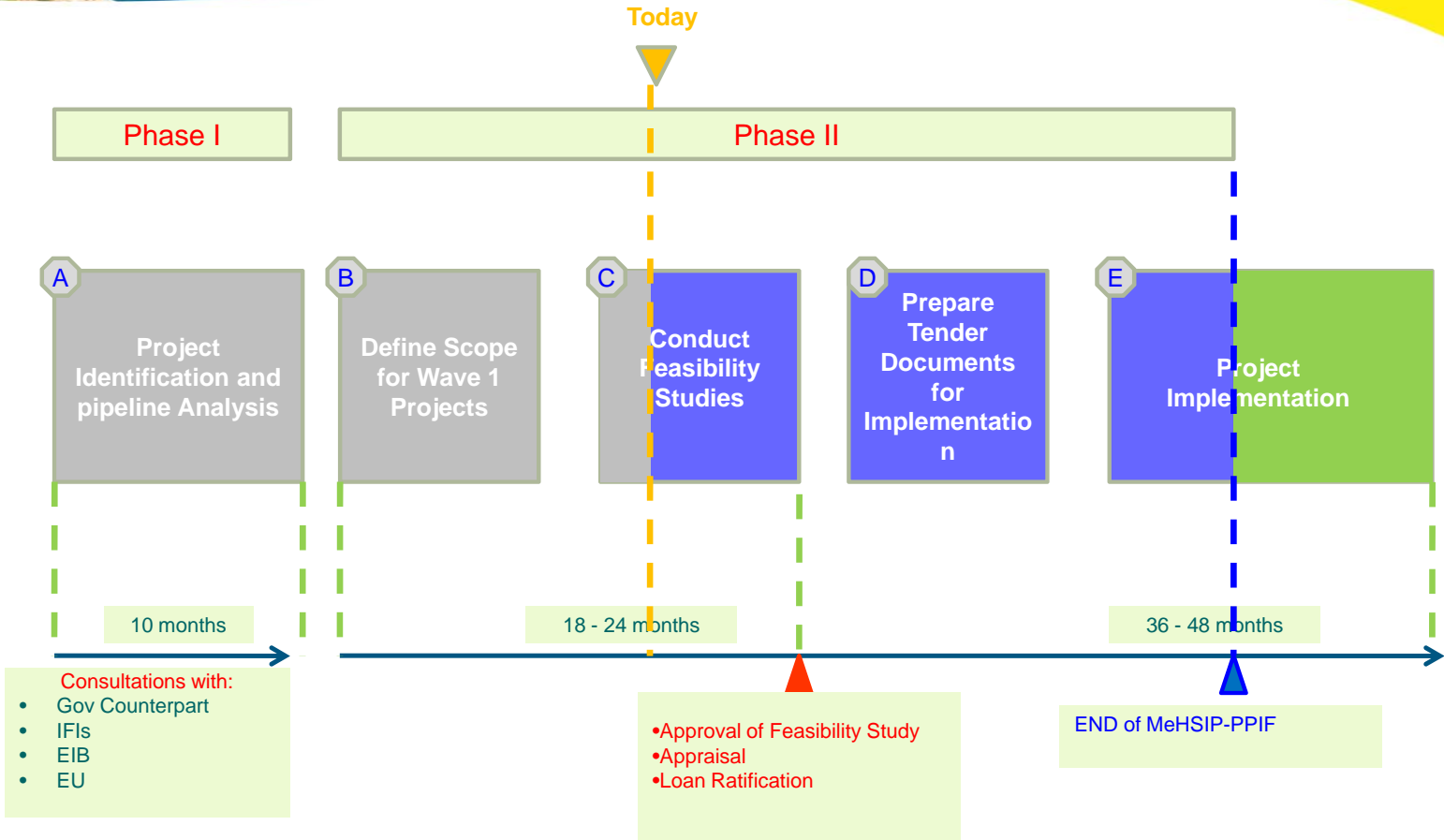
<b>Project Development Stage</b>	<b>Stakeholder Organisation involvement</b>	<b>Task / Milestone / Decision point</b>
Project Identification	Ministries / Promoters	Projects included in NAP's or Master Plans
Coordination with IFI's	EU; EIB; IFI's Ministries / Promoters	Update on IFI programmes and avoid overlaps; share lessons learned
Project chosen for inclusion on MeHSIP-PPIF Pipeline	Ministries / Promoters /EIB	Promoter identified; Confirm Mature project on Government priority list meeting EIB criteria

# Wave 1 Projects

Nr.	Country	Sector	Project	Cost M Eur
15	Israel	SW	Netanya Landfill Mining and Reclamation	50
38	Jordan	SW	Integrated Solid Waste management Project (Al-Ekaider)	35
46	Lebanon	WW	Al Ghadir Water & Wastewater	59
53	Morocco	SW	Integrated Solid Waste management - Tangier	30
72	Tunisia	Integrated (IE/SW/WW)	Integrated intervention program for de-pollution of Lake Bizerte	61



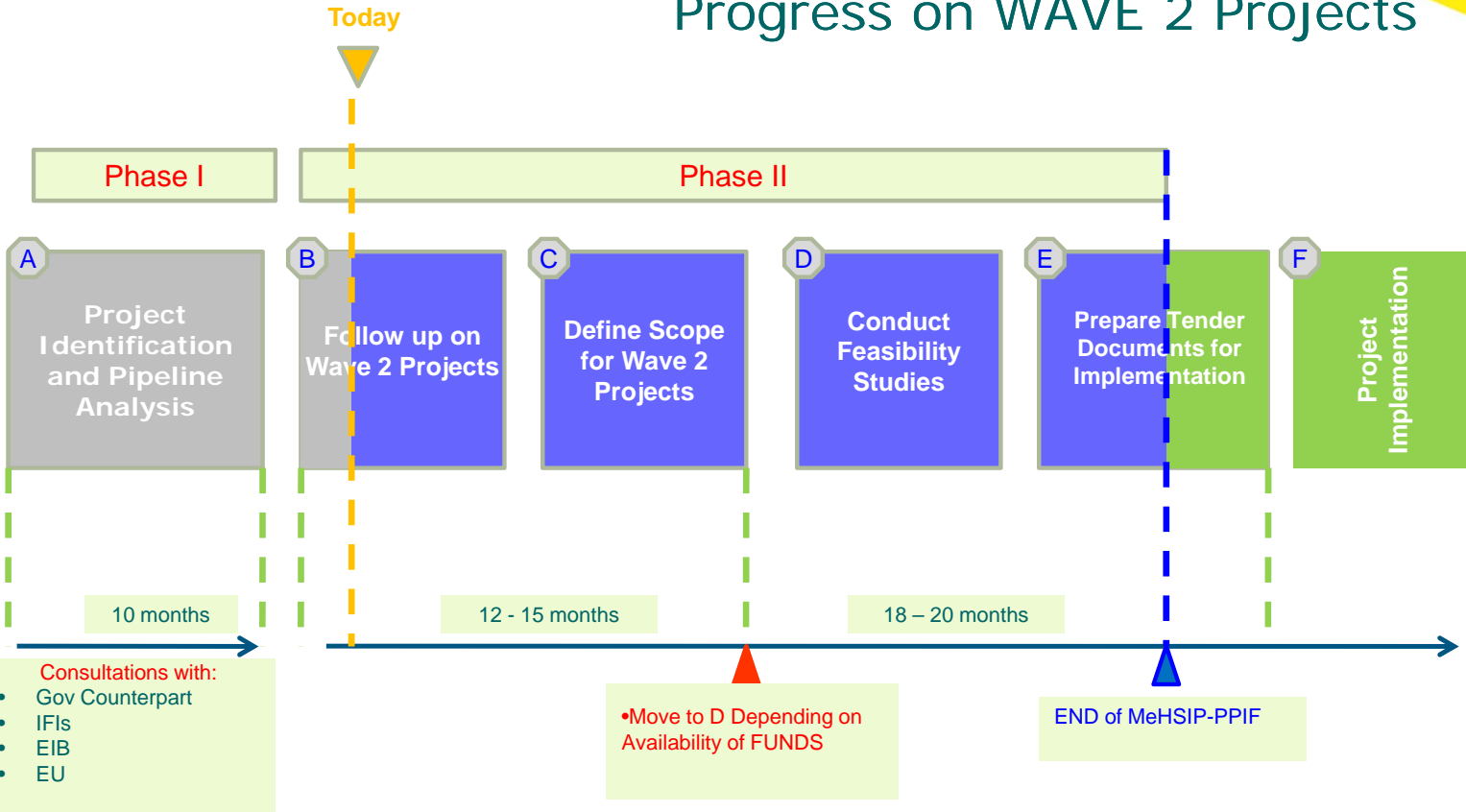
# Progress on WAVE 1 Projects



## Wave 2 Projects

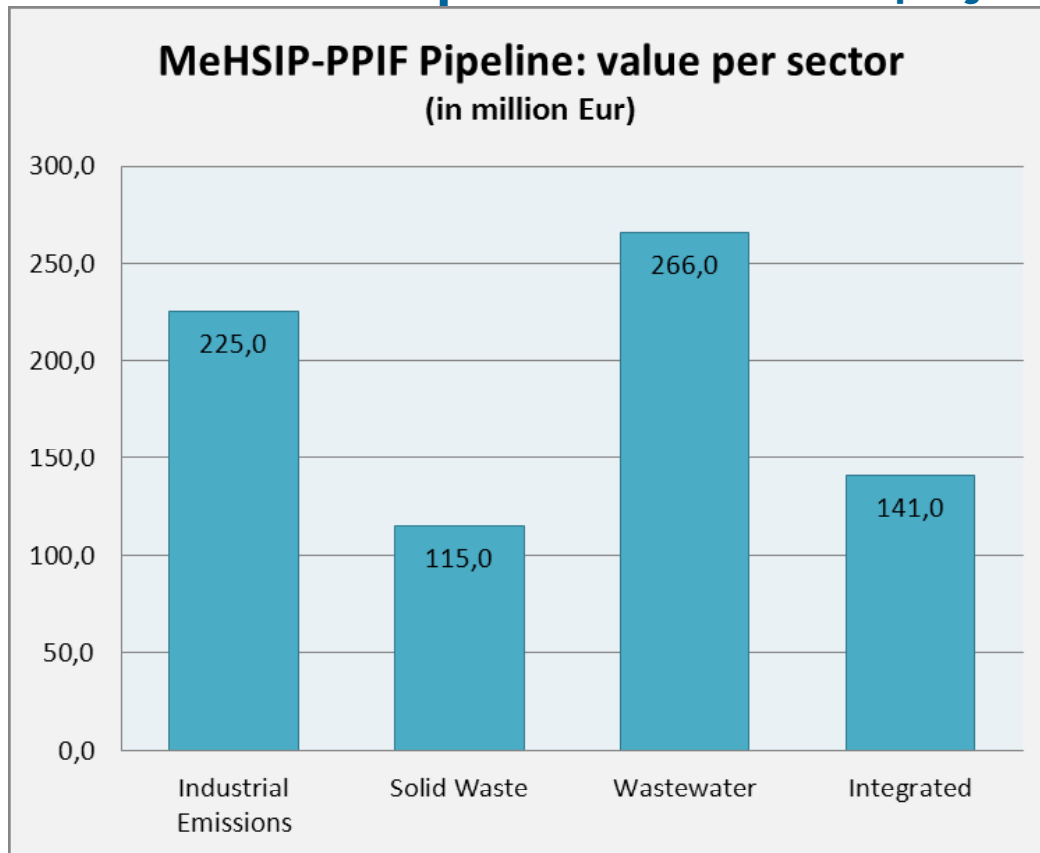
Nr.	Country	Sector	Project	Cost M Eur
6	Egypt	WW	Wastewater Treatment (15 villages in Kafr El-Sheikh)	80
7	Egypt	WW	Water and wastewater expansion (Marsa Matrouh)	87
10	Egypt	IE	Hazardous waste treatment facility	25
28	Jordan	WW	Box culvert (40km) for wastewater conveyance (Zarqa/Amman)	50
29	Jordan	WW	Construction of WWTP (4000 m <sup>3</sup> /day), sewer pipelines (80km) and pump stations (Azraq)	70
New	Syria	SW	Integrated Solid Waste Solutions for the Coastal Cities	tbc
	Tunisia	IE	Stop all discharges of phosphogypsum in the Mediterranean Sea and Rehabilitation of the Industrial Site (Gabes)	200

# Progress on WAVE 2 Projects





# MeHSIP-PPIF Pipeline: estimated project values



## Stakeholder Involvement – Project Momentum Stages

<b>Project Development Stage</b>	<b>Stakeholder Organisation involvement</b>	<b>Task / Milestone / Decision point</b>
MeHSIP-PPIF draft TORs for feasibility study	EIB / Promoters	Approve TORs
MeHSIP-PPIF propose team of experts for feasibility study	EIB / Promoters	Approve Technical Experts
Commence feasibility study	EIB / Promoters	Green light to commence study
MeHSIP-PPIF complete Diagnostic stage	EIB / Ministries / Promoters /other IPs	Approve recommendations on options considered

## Stakeholder Involvement – Project Momentum Stages

<b>Project Development Stage</b>	<b>Stakeholder Organisation involvement</b>	<b>Task / Milestone / Decision point</b>
EIA study / civil society involvement	EIB / Ministries / Promoters /other IPs	Identify impacts and mitigation measures
MeHSIP-PPIF complete feasibility study	EIB / Ministries / Promoters /other IPs	Approve defined project including IRR/ ERR and DSCR
Secure funding / co-financing arrangements, and Sovereign Guarantees, etc	EIB / Ministries / Promoters	Decision to proceed with investment in the project



# Current Status

- Integrated Approach v/s quick wins
  - Size
  - Visibility
  - Replicable Solutions
- High Profile sector intervention in terms of:
  - Size of Impact:
    - Lebanon – serving one quarter of the population – **wastewater**
    - Jordan - second largest landfill - **waste management**



## LEBANON:

### Al Ghadir Water & Wastewater



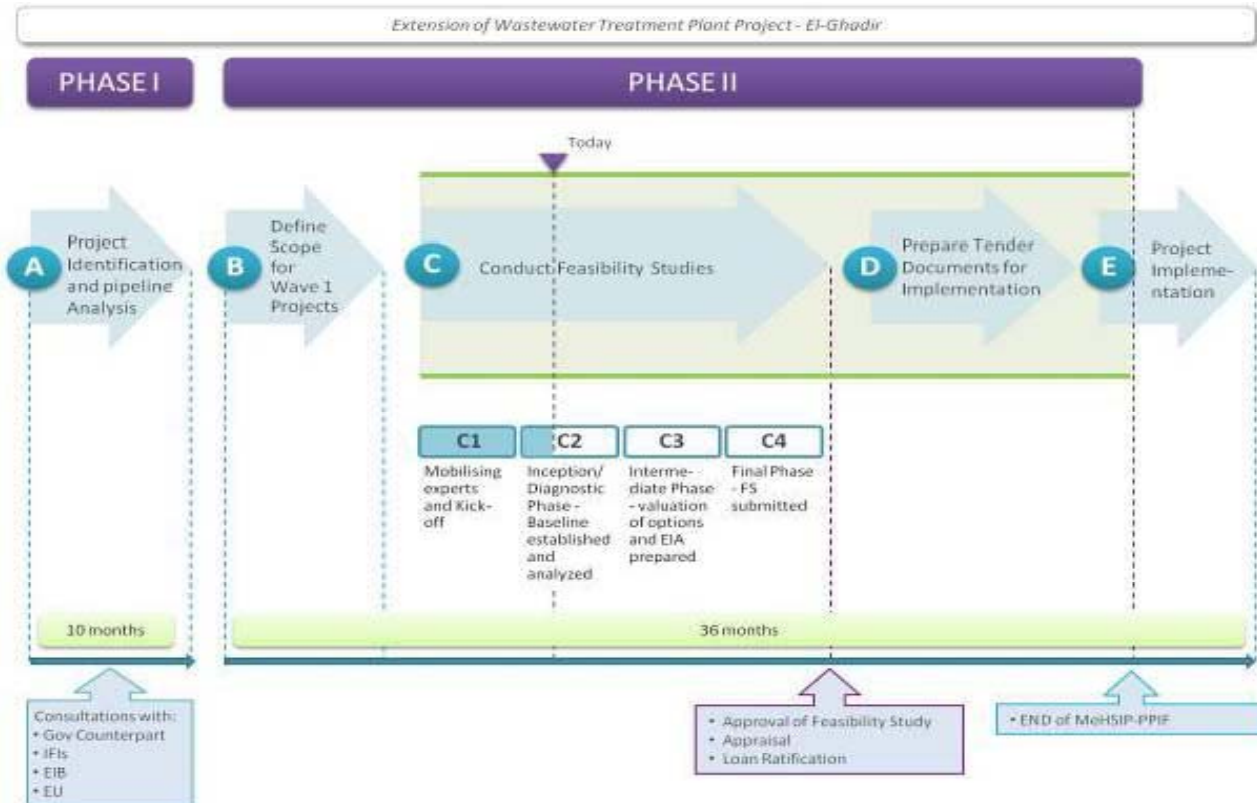
#### ➤ Component 1: Preparation of a revised Feasibility Study

1. Revisions of Legal and Institutional framework
2. Assessment of the Existing situation of Water supply and Sanitation in the project area
3. Analysis of Demand (future projections)
4. Definition of design criteria
5. Identification of possible technical options
6. Economic and financial analysis
7. Environmental Impact Assessment

#### ➤ Component 2: Horizontal support to improve Water Supply services provided in the Al-Ghadir Drainage Area

1. Integrate provision of improved water supply services to the population (no-regret investment through better willingness to pay)

# Time Line - AL-Ghadir

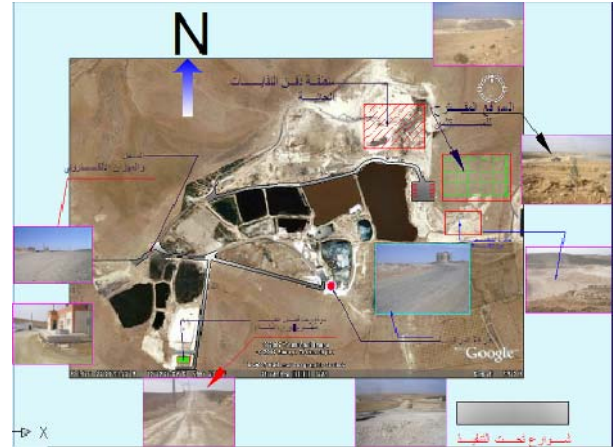






## JORDAN:

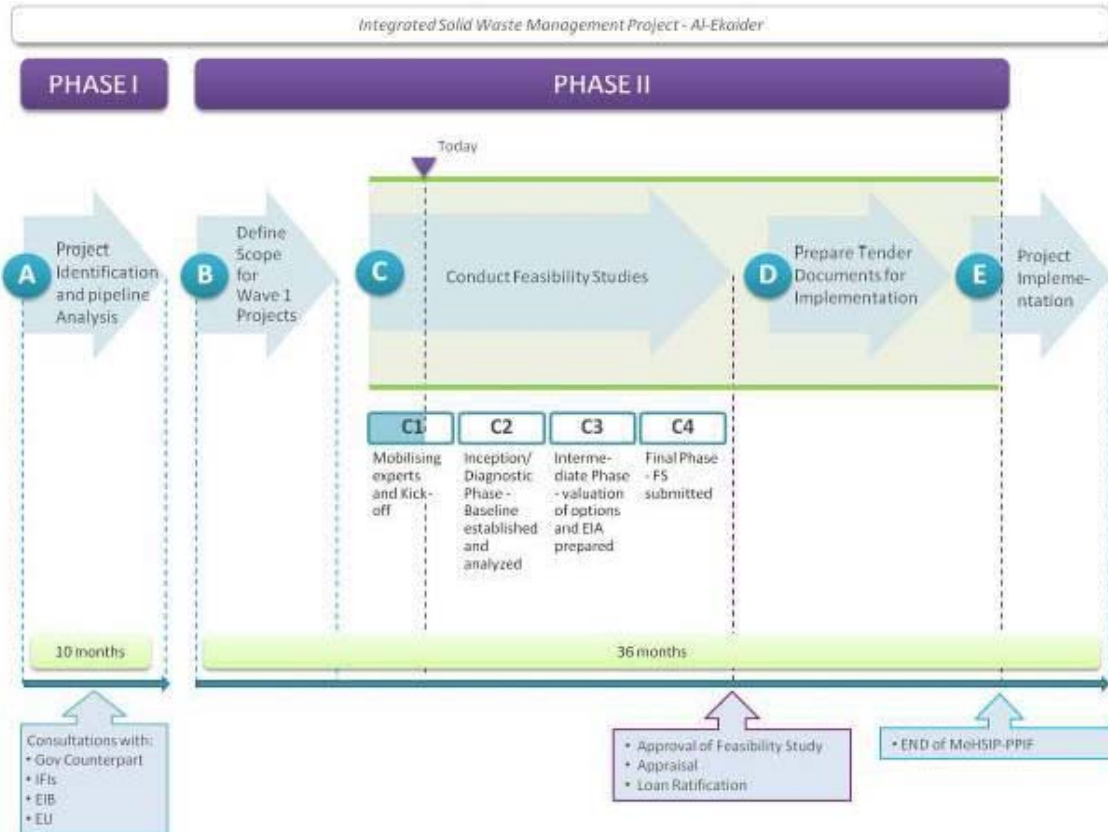
AL-Ekaider Integrated SW Management -



➤ To introduce proper **Solid Waste Management** practices through:

1. propose a technical solution for closing and rehabilitating the uncontrolled dumpsite
2. investigate alternative solutions for discharge of different wastewater streams
3. propose Environmentally sound practices concerning disposal of olive oil mill wastewater
4. propose necessary infrastructure separation of waste streams, recycling/recovery options
5. conduct Financial and institutional analysis for the feasibility of the project including EIA

# Time Line - AL-Ekaider



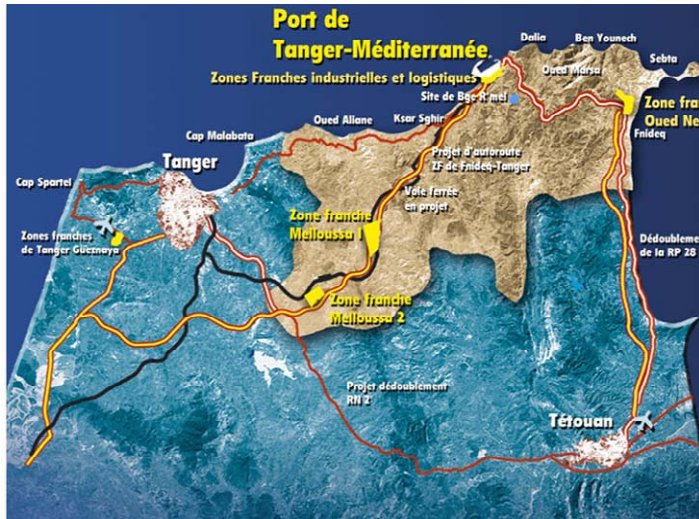


# Current Status

- High Profile sector intervention in terms of:
  - Project Visibility & Impact:
    - Morocco – project location and highest political support - **waste management**
    - Tunisia – Bizerte multi-sectoral and an **integrated** approach model



## MOROCCO: Tanger - Waste Management

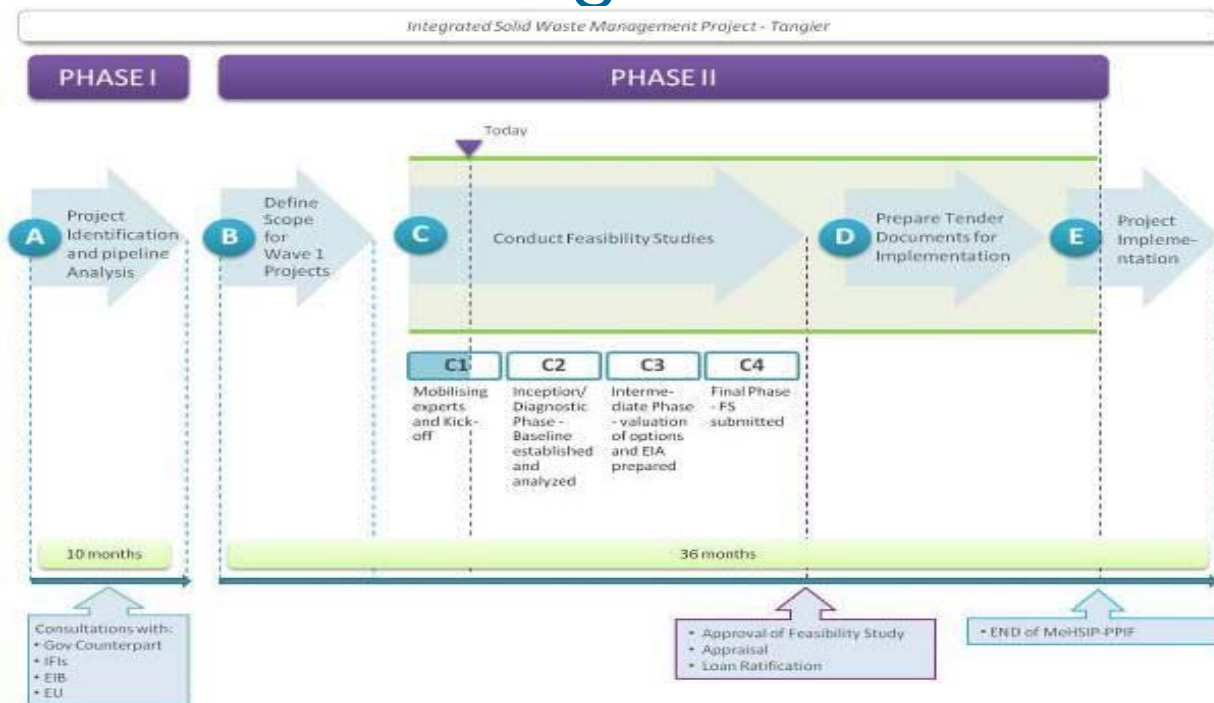


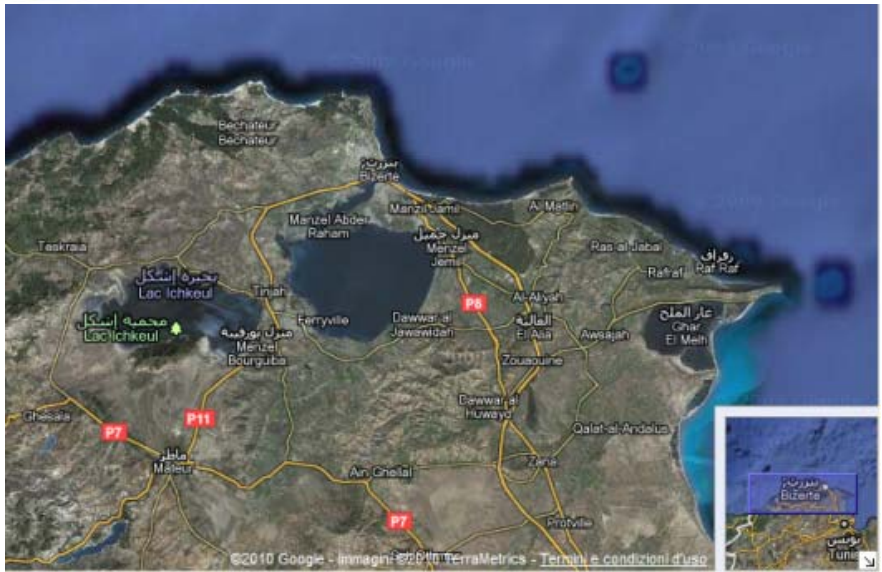
### ➤ Main Scope of work to be undertaken:

- Study and assess the management, closure and rehabilitation of the existing dump site
- Study and assess the financial feasibility of constructing a new inter-communal sanitary land fill to serve all of the three communes of (la Préfecture de Tanger-Assilah; la Préfecture Fahs Anjra; and la T.M.S.A.)
- Last but not least is to conduct an full EIA on the new proposed site with public consultation according to EIB required standards



# Time Line – Tangerang Waste management





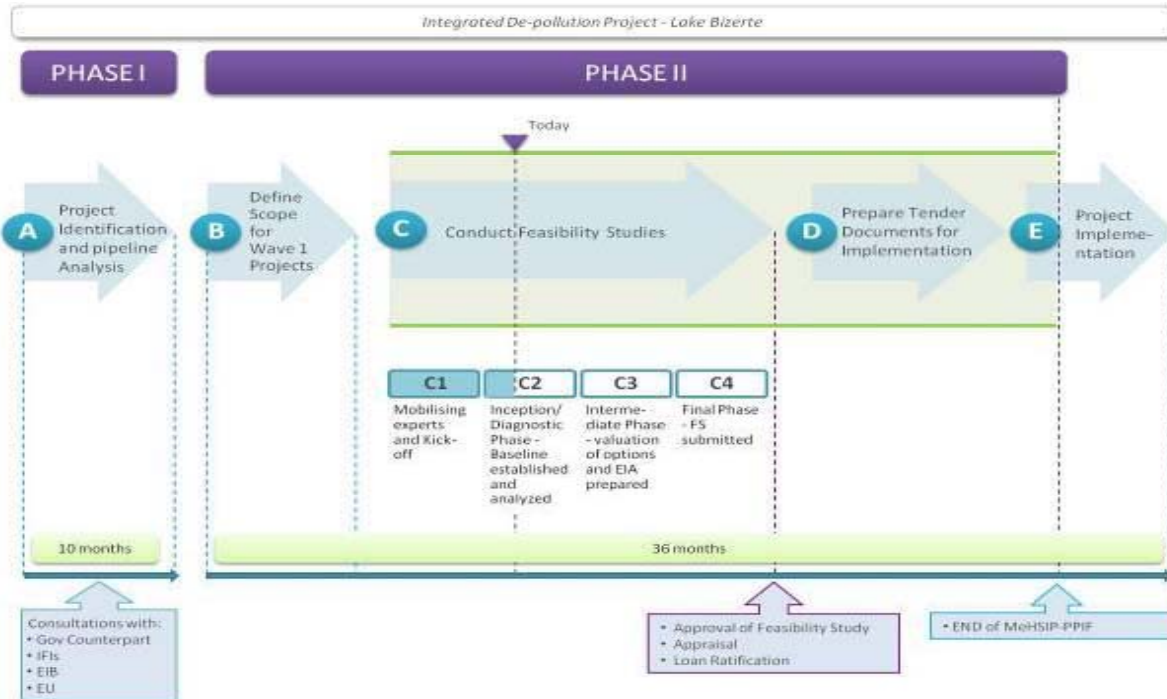
## TUNISIA:

Bizerte – Integrated Depollution project

1. Rehabilitation and upgrading of sanitation networks and extension of collective treatment system (**Wastewater Treatment Plant**)
2. Sustainable management of Solid waste in rural areas (**Solid Waste**)
3. Improvement and monitoring of the Lake ecosystem (**Nature Conservation**)
4. Environmental upgrading of El Fouladh industrial plant (**Industrial Emissions**)



# Time Line – Lake Bizerte Integrated Depollution project



## Stakeholder Involvement – Project Momentum Stages

<b>Project Development Stage</b>	<b>Stakeholder Organisation involvement</b>	<b>Task / Milestone / Decision point</b>
Initiate EIB Procurement procedures	EIB / Ministries / Promoters	Advertise in EU Journal / Pre-qualification
Prepare TORs for Detailed Design stage	EIB / Ministries / Promoters /other IPs	Tender process – tender evaluation - award
Detailed Design stage	Promoters	Sufficient institutional capacity to provide required support / TA involvement
EIA assessment	EIB / Ministries / Promoters /other IPs	Quantify impacts and mitigation measures and monitoring



## Stakeholder Involvement – Project Momentum Stages

<b>Project Development Stage</b>	<b>Stakeholder Organisation involvement</b>	<b>Task / Milestone / Decision point</b>
Construction stage	EIB / Promoters	Sufficient institutional capacity to administer contract / TA involvement
Commissioning	Promoters / TA Support	Handover project to Owner
Operation and Maintenance	Promoters / TA Support	Maintain sustainable project



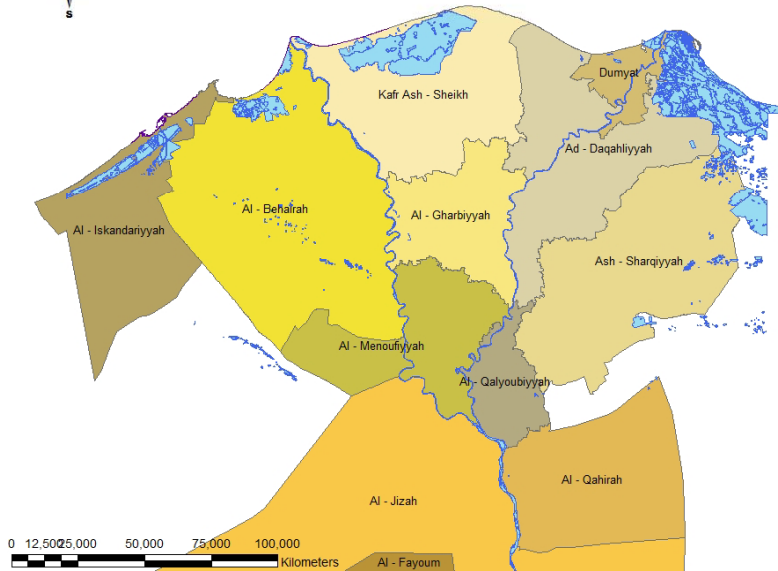


## EGYPT

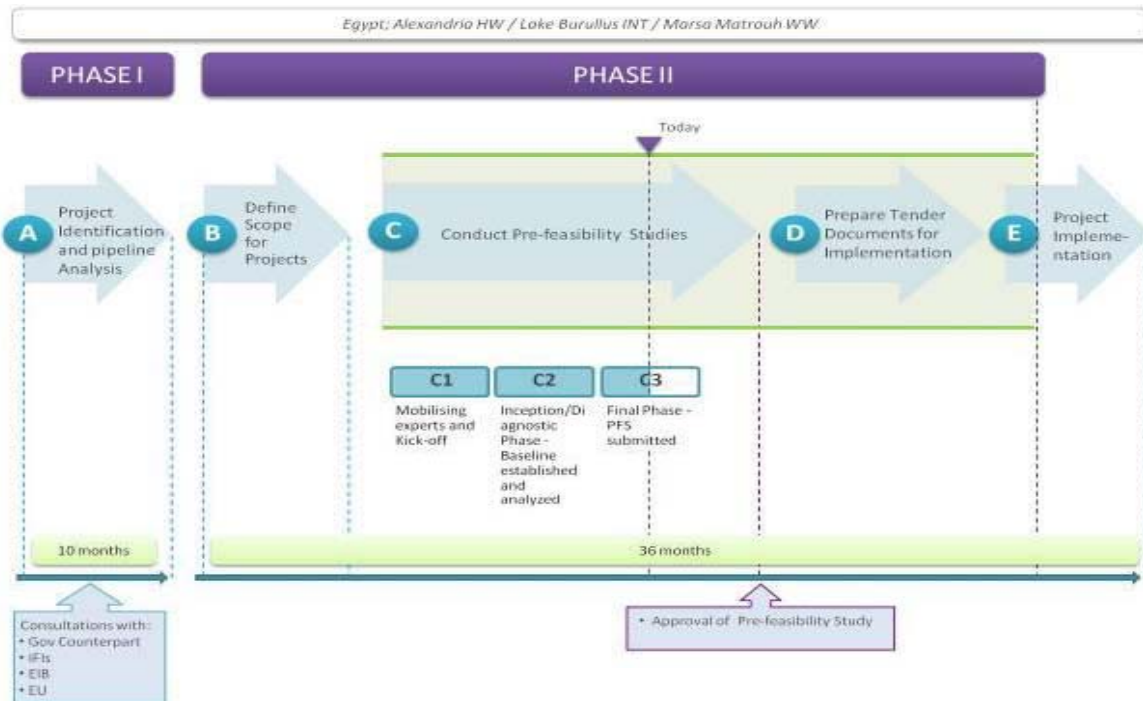
1. **Marsa Matrouh** integrated water and wastewater project

2. **Lake Burullus** integrated pollution reduction project

3. **Alexandria** Hazardous Waste Project



# Time Line – Egypt Projects







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*Thank you for your attention*