

MeHSIP-PPIF

Mediterranean Hot Spot Investment Programme Project Preparation and Implementation Facility



Tim Young



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Section A

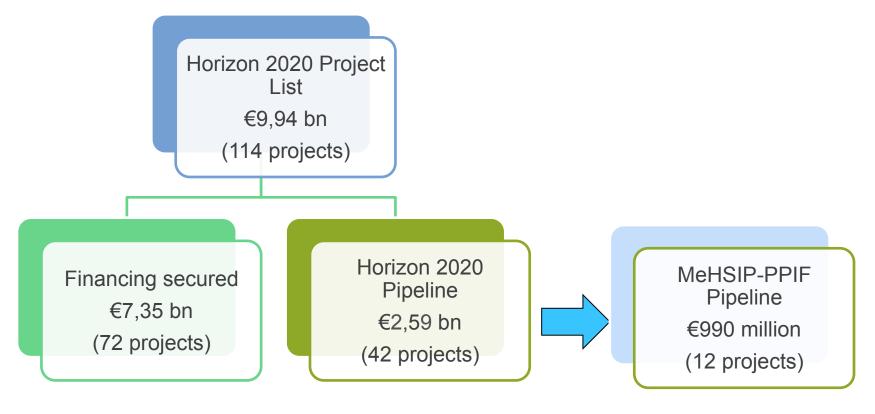
Horizon2020 Pipeline & Investment

Opportunities



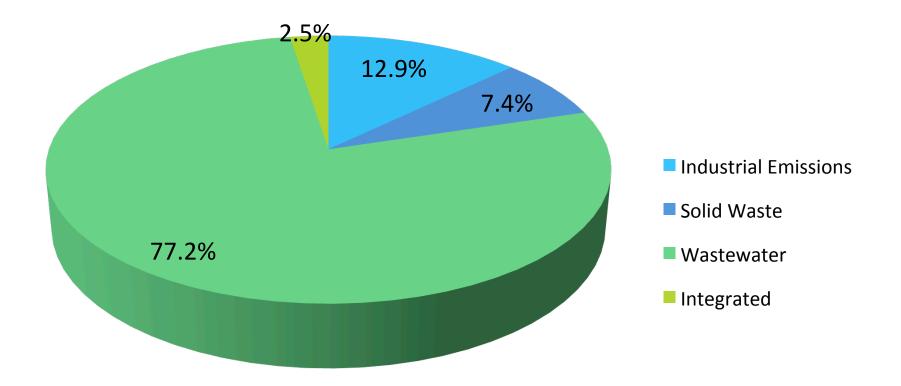
H2020 Project List: 114 projects (planned, ongoing or completed) mostly originating from NAP

H2020 Pipeline: 42 projects (€2,59bn) yet to secure funding/financing

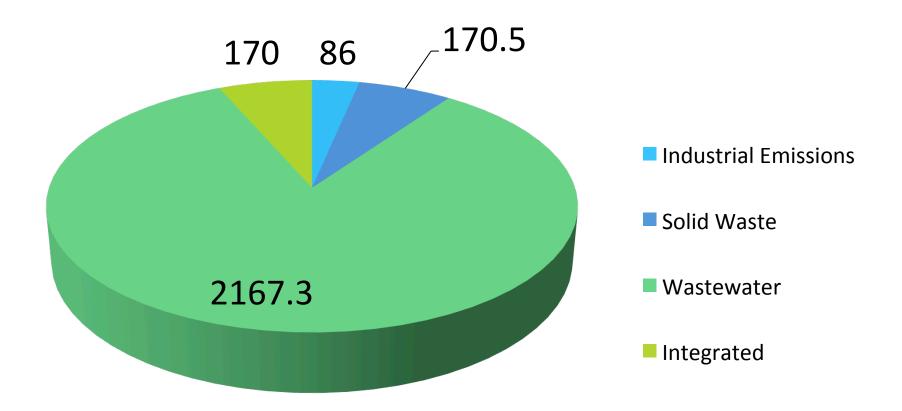




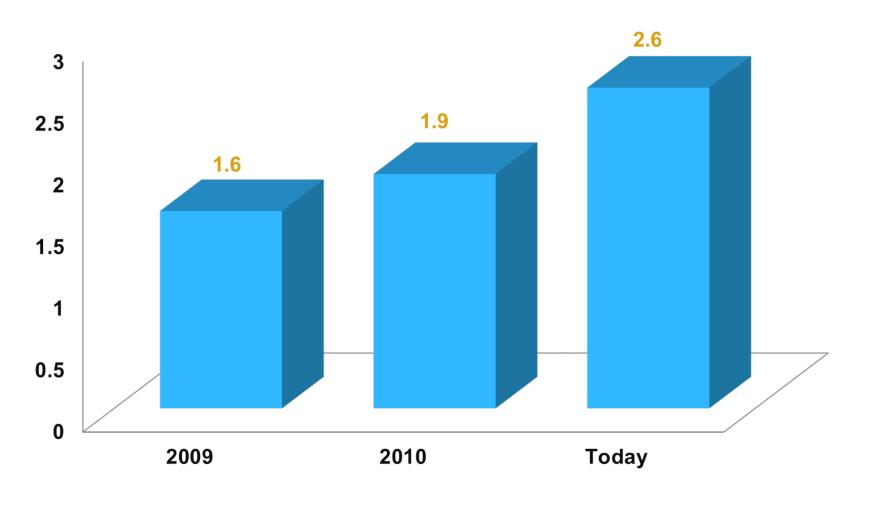
H2020 Project List (all projects): distribution by target sector









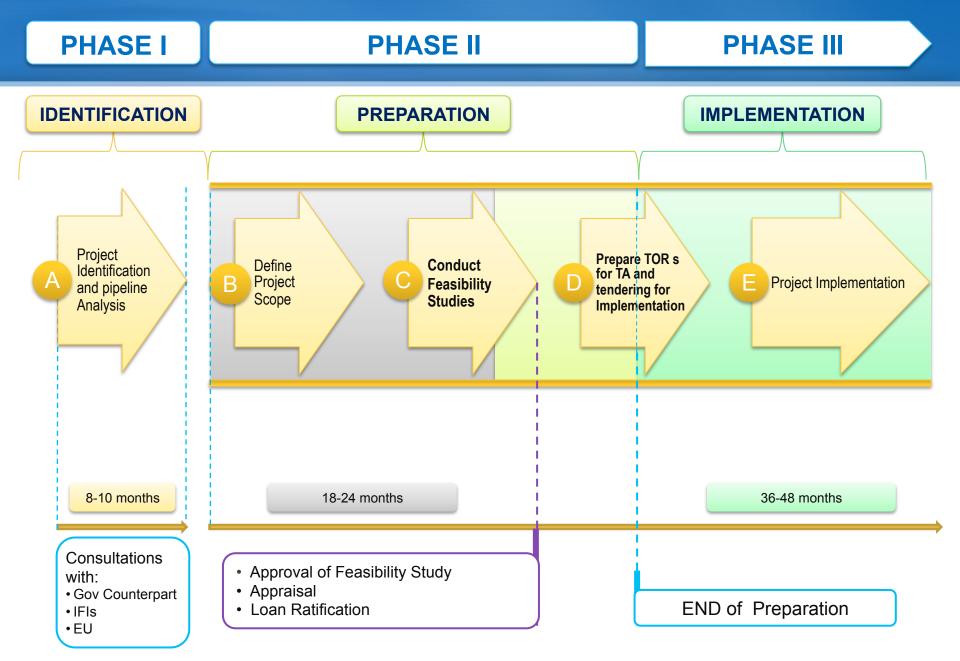




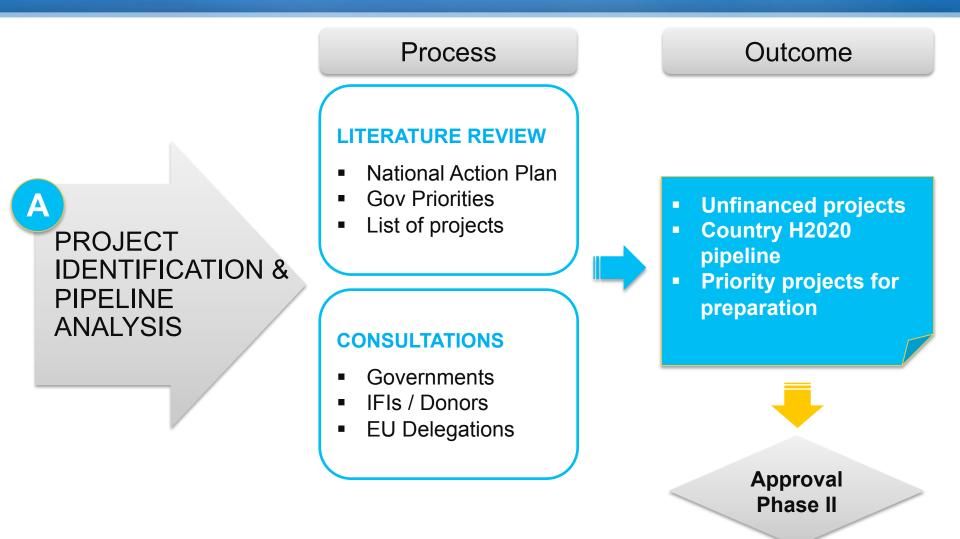
MeHSIP-PPIF **Project Preparation**

Section **B**

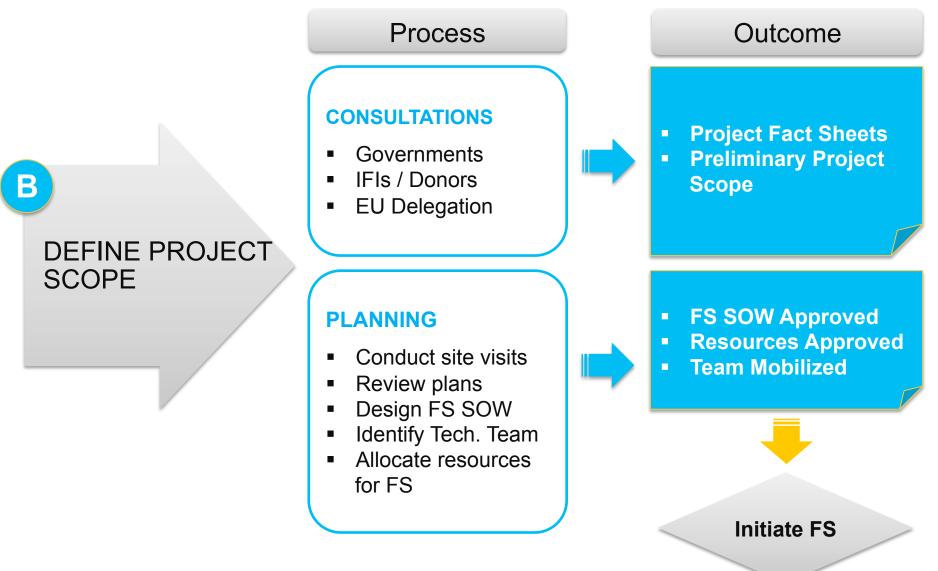




PHASE I (8 to 10 Months)



PHASE II (18 to 24 Months)



PHASE II (18 to 24 Months) continued

C1

CONDUCT FEASIBILITY STUDIES (PHASE I)

Process

LITERATURE REVIEW

- Previous studies
- Ongoing studies
- National standards
- National legislations

POLLUTION REDUCTION INTERVENTION

- Assess current situation
- Propose pollution reduction investments
- Estimate Investment value

CONSULTATIONS

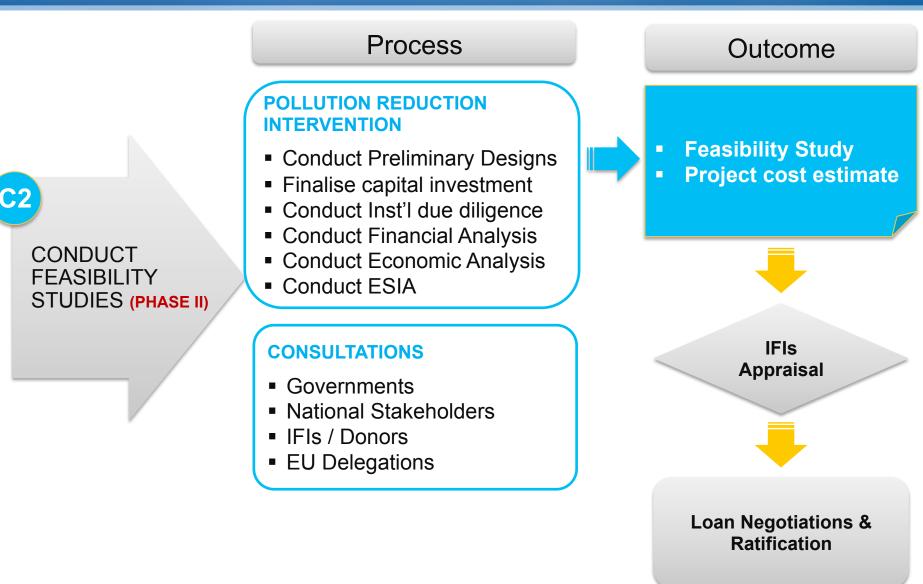
- Governments
- National Stakeholders
- IFIs / Donors
- EU Delegations

Outcome

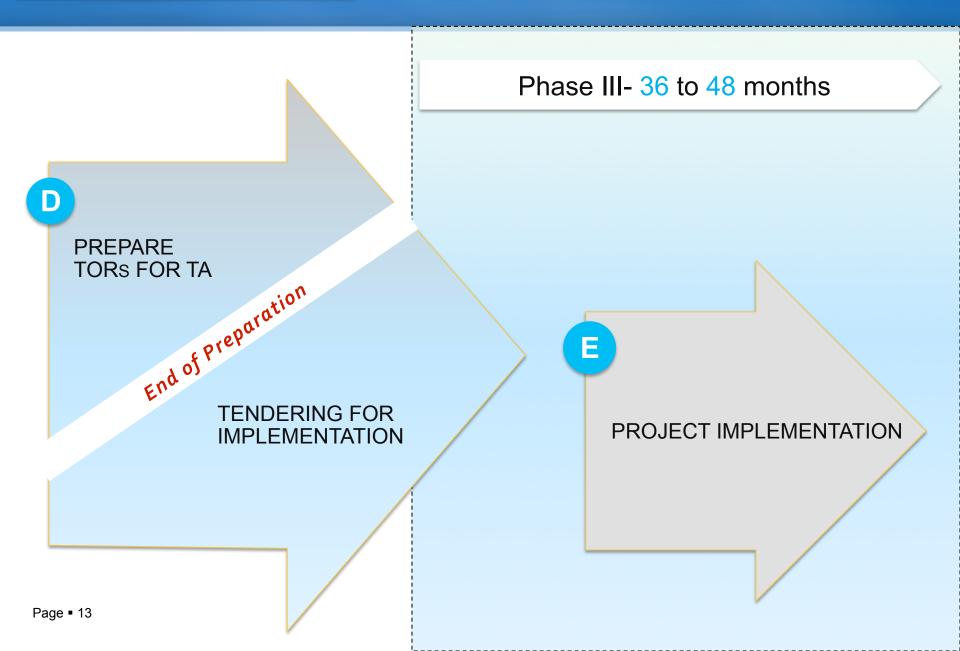
- Pollution sources finalized
- Investment Intervention scope approved
- Env./Social impacts identified

FS continue

PHASE II - 18 to 24 Months (continued)



Phase II Continued



Lessons from the field

CONSULTATIONS	 Ensure stakeholders buy-in Ensure focused and effective support Catalyse pollution abatement
Donor cooperation	 Avoids overlapping of support Ensures efficient use of resources Ensures an integrated approach Facilitates understanding of context and challenges
OWnersHlp	 Reflects the real dimensions/limitations of any assistance Enhances intervention efficiency Ensures smoother implementation of projects Enhances sustainability





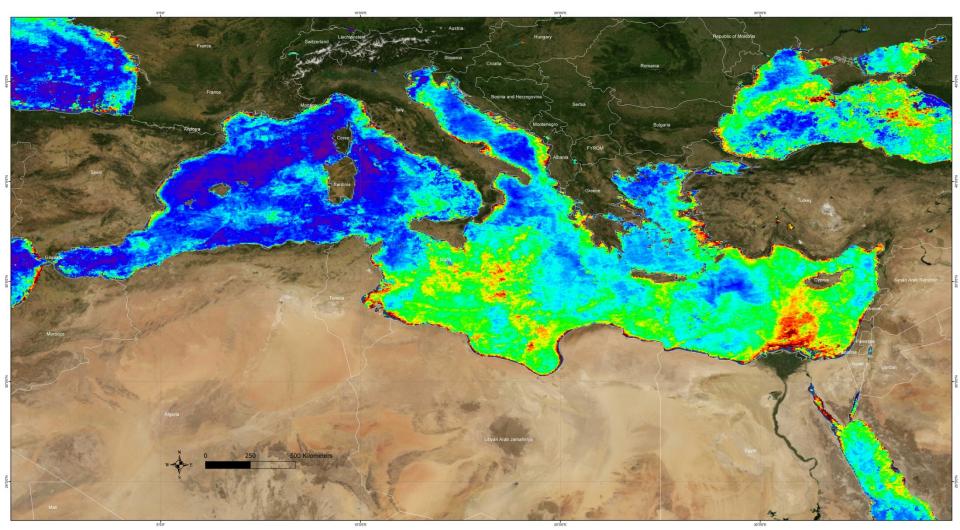
Case Study...Egypt





DE-POLLUTION OF THE MEDITERRANEAN

Mediterranean Hot Spot Investment Programme - Project Preparation and Implementation Facility





European Investment Bank

Chromophoric Dissolved Organic Matter Index

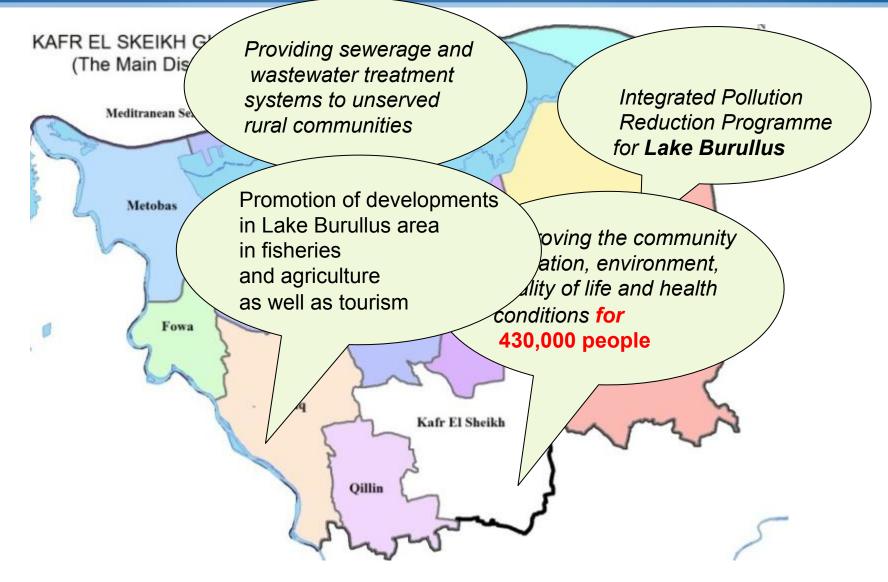




Satellite composition depicting colored dissolved organic matter (CDOM) in the Mediterranean as recorded by the MODIS Aqua satellite satellite sensor during March 2010. Along with natural processes, human activities affect CDOM levels in the water; therefore higher values of the CDOM index (yellow to dark red) may indicate pollution Hot Spots.



Kafr El-Sheikh Project (KES)





The Needs



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Health

- Risk of contamination of water supplies
- hygiene

Environment

- Groundwater
 contamination
- Surface water contamination
- Contaminated areas within towns

Economic

- Water sources for fisheries industry affected
- Sickness reduces availability for employment
- High costs





The Solution



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Project Concept

Master Plan

- Strategic document
- Based on administrative boundaries
- Population based on census

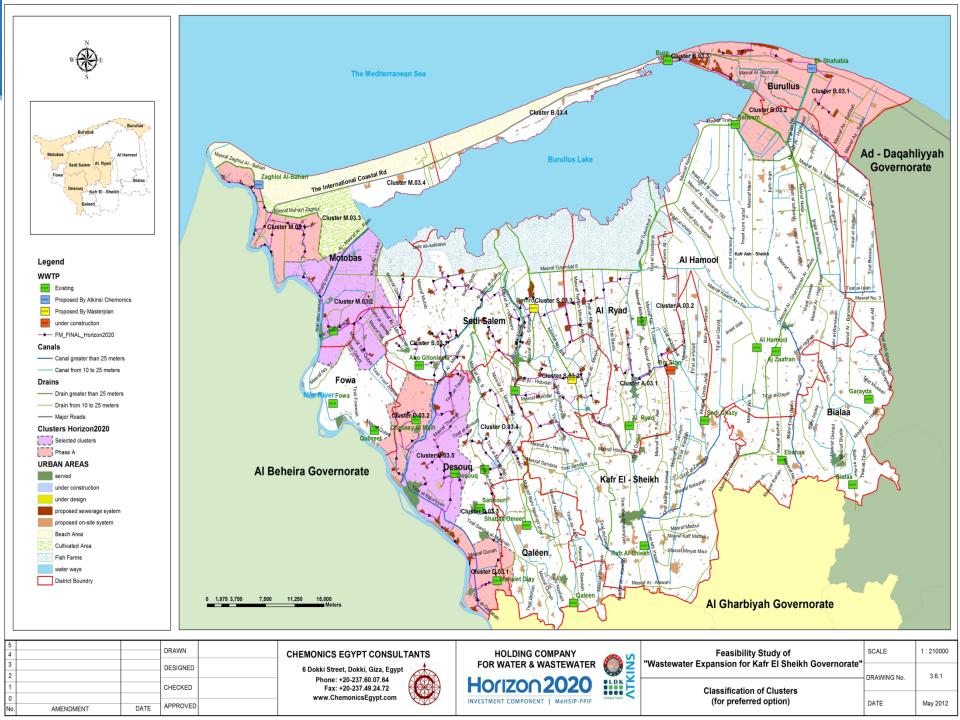
Cluster optimisation

- Field visits
- Review cluster boundaries
- Technical considerations
- Prioritise
 clusters
- update master plan

WWTP optimisation

- Initial basis for WWTP
- Existing plant capacities
- Extend existing plants
- Optimise new plants





Good Definition

- Justifying the needs
- Project Scope
- Project Components
- Benefits
- Coverage

Project Promoter

- Government Counterpart
- Eligible for sovereign loans
- Authorised to sign loan agreements

Good Feasibility

- Examined options
- Field surveys (topo, sampling, etc..)
- Eco & Fin analysis
- ESIA
- Time Plan
- Budget & Costing
- Implementation
 Plan
- Implementation
 arrangements



What is a good FS? KES Process

Examine Options

- Optimise WW systems
- Examine Treatment Processes
- Type of Pipe material
- Alternative sewer pipeline routes
- Gravity/force mains/pumping stations



What is a good FS? KES Process

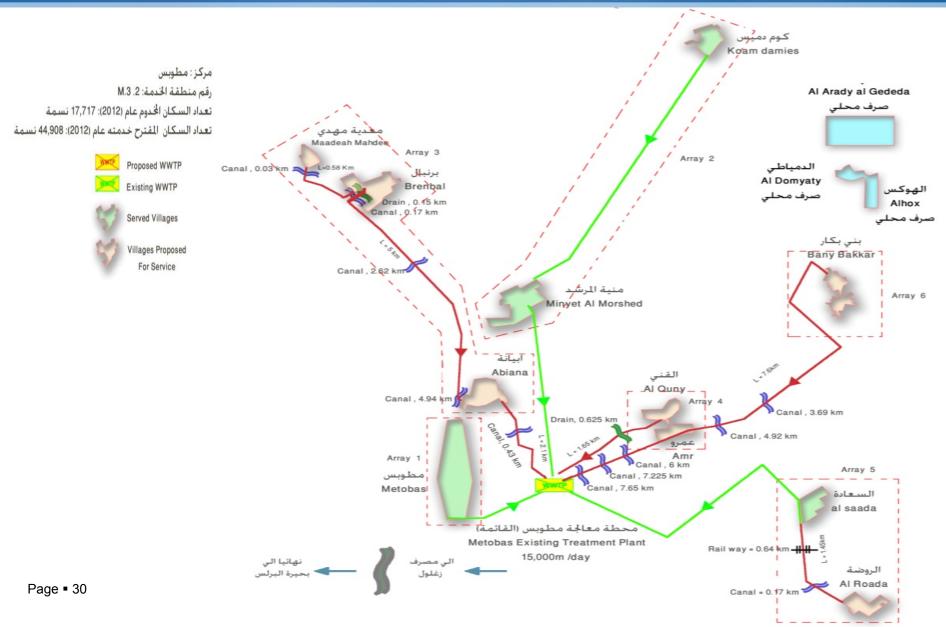
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Field Surveys

- Topographic surveys
- Geotechnical investigations
- Water sampling
- Assessing existing operations as part of the system

Routing of Sewerage Network among Villages and Connection with the Wastewater Treatment Plant in Cluster M.03.2 (Motobas)



What is a good FS? KES Process

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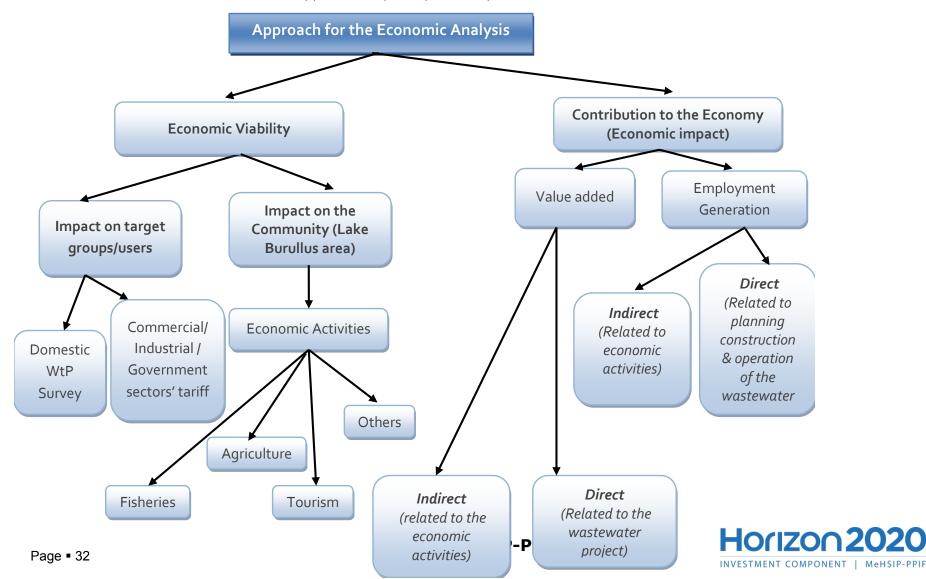
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Fin & Eco Analysis

- Good technical definitions
- Good cost estimates
- Good knowledge market values
- Good knowledge of population willingness to pay
- Good knowledge of County's economic situation
- Good and realistic time
 planning
- Knowledge of IFI conditions
- Economic and Financial rate of returns

The chart below summarizes the approach adopted by the study:



What is a good FS? KES Process

Time & Implementation

Plan

- Requirement for DD & Tendering processes
- Requirements for Construction & Operation
- Optimize Procurement Arrangements
- Structure and Number of Contracts (WWTP & Networks)
- Understanding of capacity / skills of Local Contractors

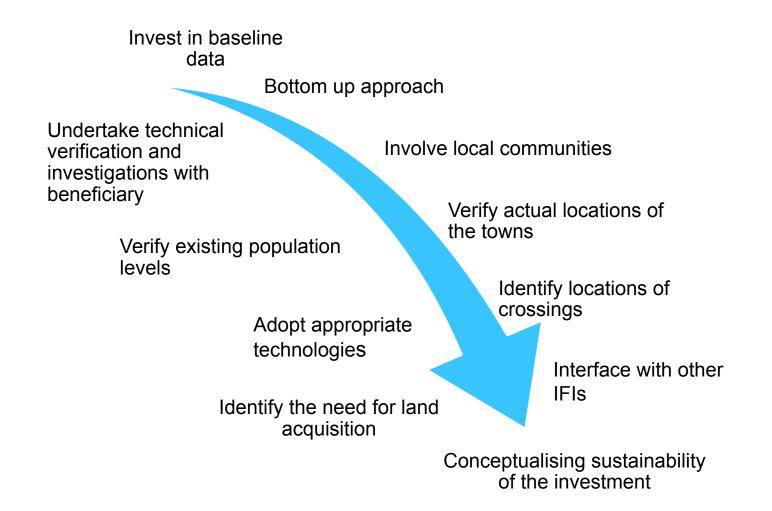
Budget & Costing

- Good Preliminary Designs
- Accurate engineering estimates
- Good market knowledge
- Good estimation of manpower requirements
- CAPEX
- OPEX

Implementation Arrangements

- Assessing Promoters skills
- Understanding institutional interrelations
- Identifying gaps
- Understanding contracts
 administration
 - Conventional tenders (Networks)
 - DBO contracts (WWTP)
 Operation

Key Elements to Success – KES case



Please remember that...

... a well prepared project provides the best foundation for private sector participation!



Thank you for your attention.



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