

Public Private Partnership PPP

ENPI H2020 CB/MEP Course

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What the Course Offers

- Understanding of Finance Alternatives
- Detailed understanding of PPP
- Assessment of enabling environments
- Ability to develop and adjust models to suit needs
- Knowledge of OECD checklist for public Action
- An example of a significant Case Study

What the Course Does Not Offer

➤ **Country Profiles**

- Country case and demand for wastewater treatment
- Social and integrated approach of treatment with respect to the water cycle

➤ **Evolving Technologies**

- Emerging technologies
- Role of technologies in reducing costs

Introduction

Given the **great demand for solutions** to wastewater treatment needs and the **increasing role wastewater treatment** plays or will play in making treated **wastewater reusable** for specific needs as part of the whole water cycle, and the **financial burden** this poses to the budgets of individual governments, it is essential to look for innovative ways to finance the infrastructure for such projects. We will try in the course of the coming days to enlighten you with what is known as project finance. The innovation does not come only from the theory but from the models which we will present.

Extent of Wastewater Needs 1/

- In developing countries approximately six children per minute still die from diseases caused by unsafe water and inadequate sanitation.
- Deterioration of the aquatic environment is visible around the globe. In most of the UNEP Regional Seas the discharge of untreated domestic wastewater has been identified as a major source of environmental pollution. Over 70% of coral reefs are affected by discharges of untreated sewage, precious habitats are disappearing and biodiversity is decreasing, fishing and agriculture possibilities are being lost and poor water quality is resulting in loss of income from tourism and loss of real estate value.

Source: UNEP

Extent of Wastewater Needs /2

- According to MDG goals, it is estimated that projected needs for wastewater treatment till 2025 are in the order of USD 72 billion annually as additional for wastewater treatment, household sanitation and hygiene. Of the USD 72 billion, USD 56 billion is required for wastewater treatment alone.
- Comparing the current spending on wastewater treatment of USD 14 billion annually, an additional USD 56 billion (Vision 21), or total of up to USD 70 billion annually is required to reach the WSSD target on sanitation within the wastewater sector, an increase of 4 to 5 fold.

THANK YOU
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