

Utility Management Training

MODULE 3:

Asset Management and Investment Planning (AMIP)

Institutional Partners



AMIP Module Team

Module Development Partner:

Association for Water Technology and Sanitary Engineering (UTVSI), Serbia

Trainers:

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Comptence Partners:

Association for Water Technology and Sanitary Engineering (UTVSI)

Utility Partner:

Belgrade Water (BVK)

Thematic Support and Materials:

D-LeaP Asset Management Program, UMT materials, World Bank reports and selected case studies



AMIP Module Logistics

Format and Venue: One-week residential course, Belgrade, Serbia

Module timeline: September – December 2023

Introductory webinar for the module: October 31 (online)

Core training week: November 13 – November 17



AMIP Module Outline

The **Asset Management and Investment Planning module (AMIP)** aims to build the participants systematic understanding on asset management and utilize that knowledge for investment planning.

The introductory session presents **Asset Management (AM) Fundamentals** – what AM comprises of it, why it is important and how it links to other utility functions. Straight after the introduction the module delves into the Information Systems that help utilities manage their assets – Asset Registers, GIS, CAMS, including their key functionalities and some practical advice on how to build asset data models.

The next section reflects on the **Elements of Networks and Other Assets** – pipes, nodes but also compound elements such as reservoirs and pumping stations, their configurations and connectivity. This section also includes topics such as Field Data Capture and Validation.

Once data is collected and assets are visualized and described, the module shifts its attention into **Asset Condition Assessment** which links technical to operational condition.

Last but not least within the core AM sections, **Maintenance Management** aims to introduce further practicality with particular attention to the duties of network and energy managers who need to differentiate between “operations” and “maintenance”. Specific emphasis is placed on the concept of preventative maintenance and techniques such as maintenance requests and workflow management are introduced.

The AMIP module also deals with some non-technical aspects of AM. **Financial and Accounting Aspects** includes topics such as asset valuation, accounting treatment of public assets and depreciation methods. Last but definitely not least, the module brings some insights into **Investment Planning** – a session that delves into the various investment drivers – asset renewal, compliance, service coverage and efficiency, but also outlines the role of other functions in the process of investment planning – operations, customer service, finance, IT.

During the current cycle 2 of the UMT a special focus will be dedicated to technological solutions such as asset registers, maintenance platforms, IoT-based systems for asset data capture, digital twins, etc.

Competence Partners



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