



International Association
of Water Service Companies
in the Danube River
Catchment Area



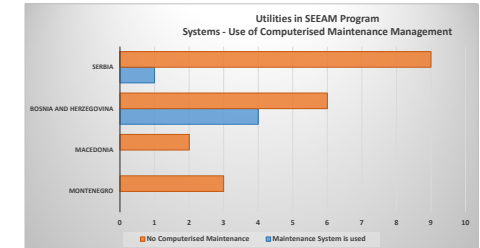
Knowing your data and knowing your assets – Introducing the Asset Management Program



2021 Danube Water Conference, online

The Challenge

- One of the most important topics for water/ sanitation utilities worldwide is asset management (AM)
 - Water utilities in SEE lack effective methods for AM to offer efficient services and to plan necessary investments.
 - Most of utilities in SEE do not have consistent knowledge of their assets or use computerized maintenance management.
 - This results in growing deterioration of assets and worsening services to clients.
 - Water utilities under pressure to improve their performance and cost efficiency: as sector is increasingly regulated (in some countries) and good performance becomes prerequisite for funding.
- ⇒ Capacities needed for informed decision making on appropriate repair, replacement or rehabilitation and to develop a long-term funding strategy



Program Objectives



- The main purpose of the program is to enable Hub-Centres to provide capacity building to the participating Utilities to carry out Integrated Asset Management (AM) activities through training, support and the provision of appropriate software and best-practice methodologies.
- In the case where Utilities lack the manpower resources to fully implement AM activities themselves the Hub-Centres will provide additional services to assist the Utilities in carrying out these activities.

Program Setup

Founded by



Supported by

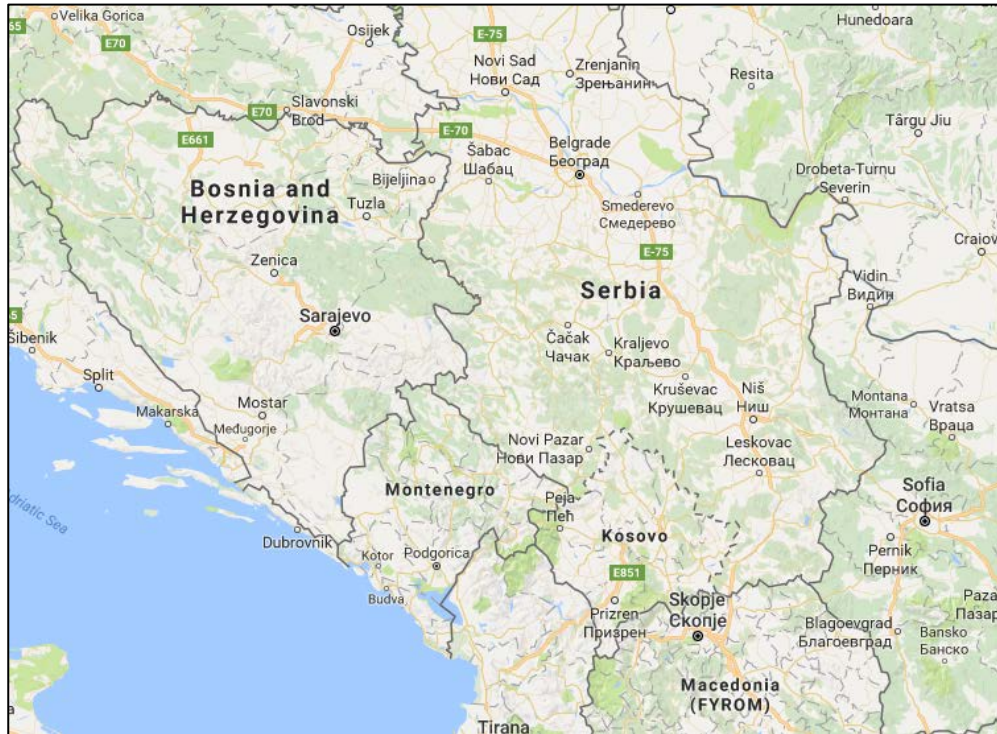


- **BMZ:** co-finances the program
- **GIZ:** secures that interests of public and private partners are met and assures alignment and synergies within German Development Cooperation
- **Hydro-Comp:** co-finances the program & provides technical and managerial know-how (incl. software)
- **Expert hubs:** to provide AM services to water utilities and delivery of capacity building

Implemented by



Participating Utilities



- Water and/or sewerage Utilities in Bosnia and Herzegovina, Macedonia, Montenegro, Serbia, Kosovo and Albania were welcomed to apply for the participation.
- Initially only 70 utilities participated, and applications were prioritized based on their access to capital, technical potential and willingness to participate in the initiative.

Services provided

Senior staff from each participating utility will receive services that include:

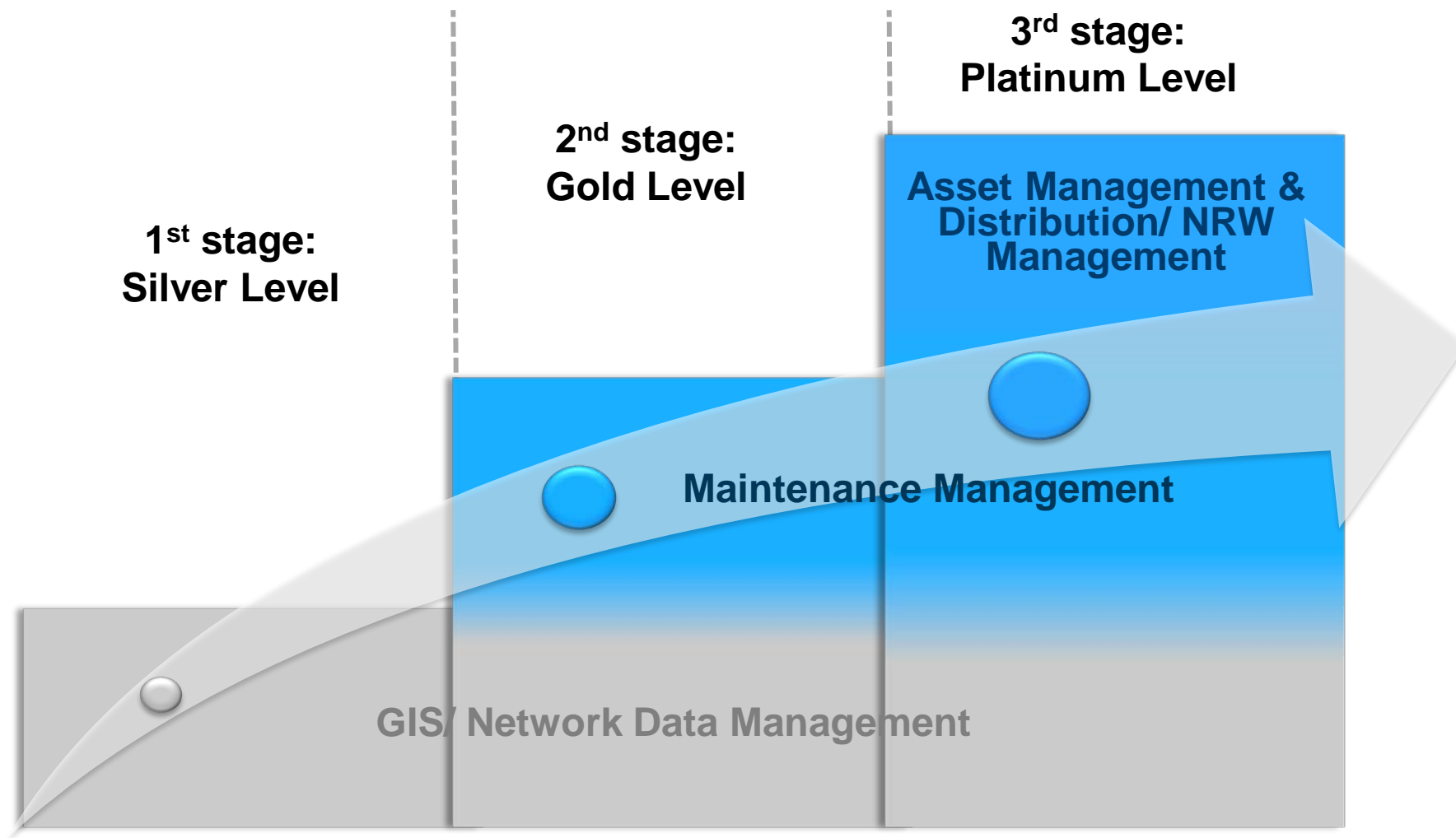
- **Workshops/Conferences:** Will be held on a regular basis presenting various aspects of the services and Asset Management (AM).
- **Data Conversion & IAM Systems Implementation:** The **EDAMS-AM** software will be provided to each Utility and will be hosted and operated through the Cloud.
- **Classroom Training:** Training courses will be held at the Hub premises on a regular basis addressing all aspects of AM with different courses applying for the different stages of the program.
- **Visits:** Utilities are encouraged to visit the Hub in regular intervals to seek advice and assistance.
- **Support:** Daily Remote support to Utilities in the use of the software and procedures adopted.
- **Access to Additional Asset Management Services:** Will be provided if required optional at an extra cost to assist the Utilities with studies, such as the compilation of a Commercial Rehabilitation Plan, an Investment Plan, a Rehabilitation & Maintenance Plan and Infrastructure Plans.



Program Description

Three Stages Capacity Development

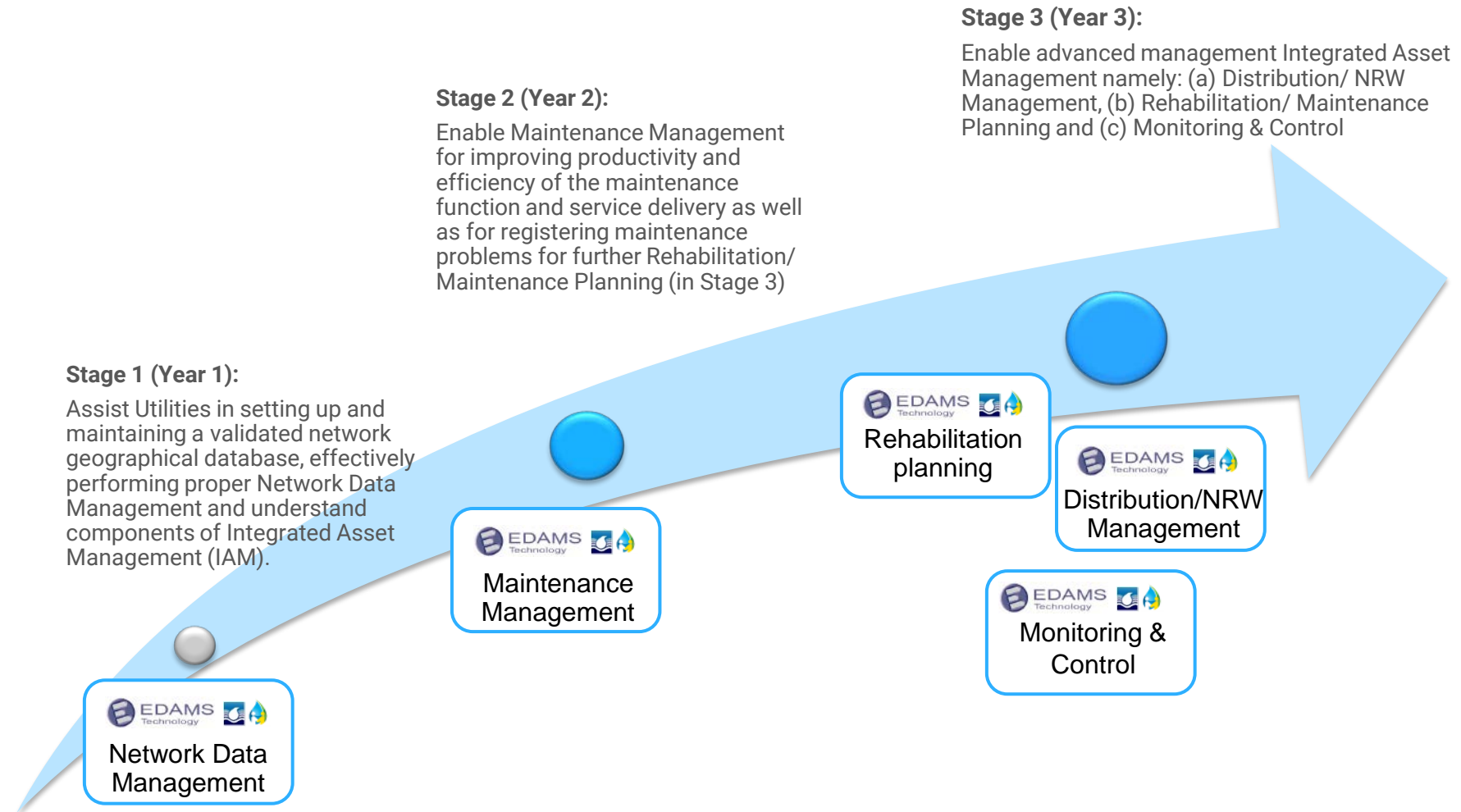
3-year program,
consisting of three
stages lasting 12
months each, with the
idea that each utility will
be able to progress from
one stage to the next
each year



Three Stages Capacity Development EDAMS Software

The project introduces EDAMS software as a leading solutions of software-based management systems for public utilities.

- systematical mapping and assessment of assets in a robust geographical database
- better utilization and management of resources as prerequisite for later Maintenance Management, Asset Management and Distribution/ NRW Management.



SEEAM Program Description

Training Programs



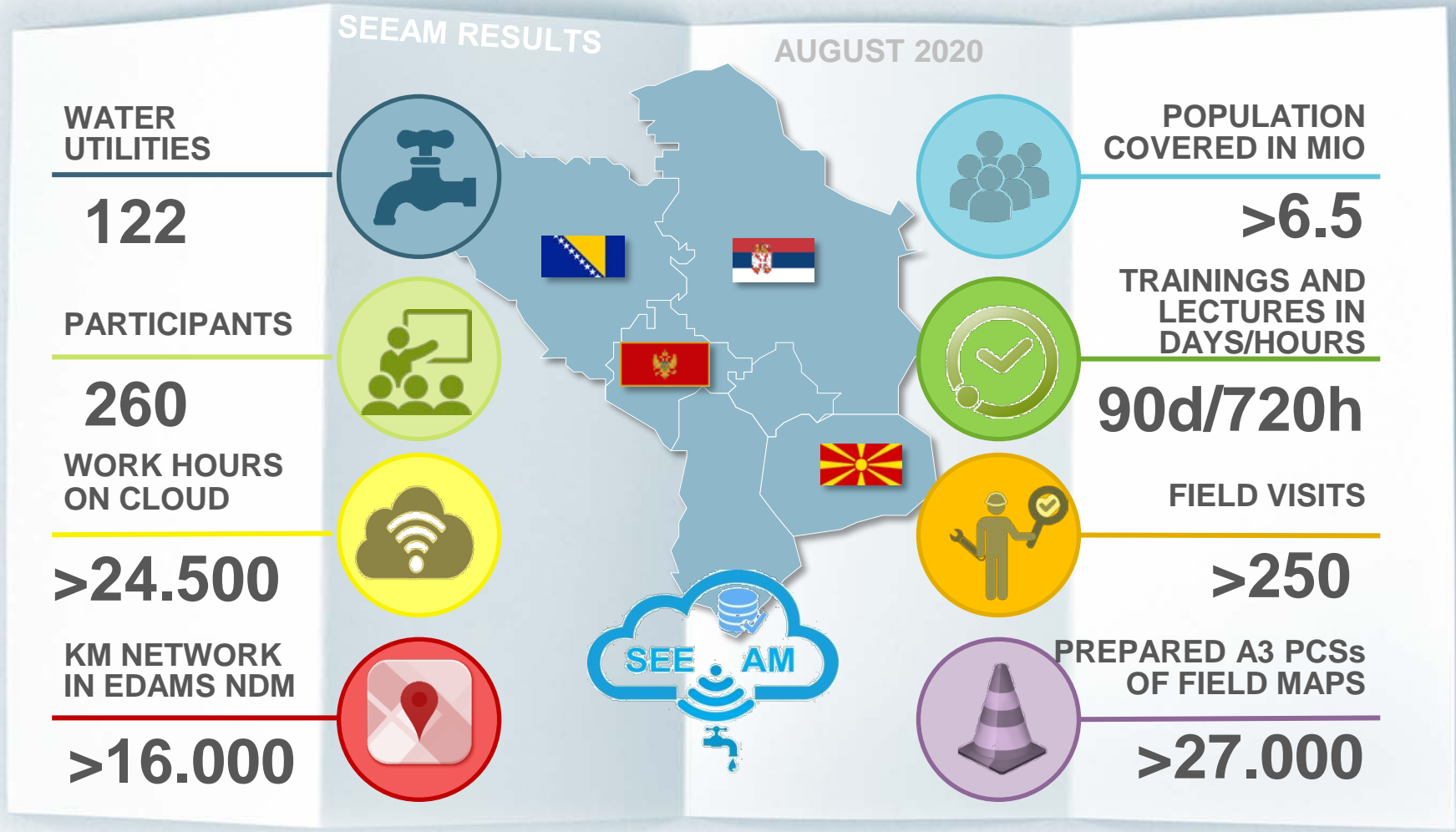
No.	Stage/ Package	Training Course
1	Stage 1 - Silver package	GIS/ Network Data Management
2		Advanced GIS/ Network Data Management
3		Maintenance Management
4	Stage 2 - Gold package	Advanced Maintenance Management
5		Commercial Data Management
6		Distribution/ NRW Management
7	Stage 3 - Platinum package	Water Quality Management
8		Rehabilitation Planning
9		Infrastructure Planning

- Training courses are held at the Hub-premises on a regular basis addressing all aspects of AM with different courses applying for the different stages of the program.
- Participation costs are subsidized. Training for Public Utilities are undertaken both by the Associations as well as Hydro-Comp.
- Hydro-Comp has prepared detailed training material covering all aspects of Integrated Asset Management, through the use of the tools and procedures adopted.

1 Stage 1: Silver Package - GIS/ Network Data Management			
1.1	Introduction to EDAMS Assets	Overview of the Assets system, including main features & functions and integration with other systems	All users and managers
1.2	Management Overview	Reading and interpreting management reports	Management
1.3	Introduction to GIS	<ul style="list-style-type: none"> • Network Asset Management philosophy & concepts • Network data models and connectivity rules • Basic system functions 	Users
1.4	Basic Network Management	<ul style="list-style-type: none"> • System parameters & network components • Using queries wizard, reports, graphical templates & thematic mapping • Basic network management 	Users
1.5	Network Data Capture	Analogue and digital data collection Network data capture, development of an asset register Data organisation, storage and structure Data Maintenance	Users

Program Participation/Results

Silver Stage – 2017, 2018, 2019 & 2020



Program Participation/Results

Conferences/Workshops



Online Platinum B training July 2020

eljina December 2018



Training Prishtina July 2020 respecting the COVID-19 measures

Program Benefits



The implementation of AM results in substantial benefits to the Utilities in terms of Financial Benefits, improved Service Delivery and improved Conformity to regulation & transparency.

- **Financial benefits** will be realised through Increased Revenues, Reduction of Operating costs, less annual rehabilitation and maintenance costs and a considerable reduction in future Capital costs.
- **Improved service delivery** will be achieved through better Customer services, better water delivery (in terms of both Pressures and Quality), quicker response to maintenance problems and more effective Emergency & Crisis Management.
- **Conformity to regulation & transparency** will be achieved through the production of a more accurate Balance sheet, Water Quality reporting, Water Audit reporting and more accurate budgets on Operational Costs and Capital Cost requirements.

Thank you



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