

Smart Asset Management strategy in The Netherlands

Workshop: Digitalization of water and wastewater systems: international experiences and innovations to support Italian utility projects in the water sector

*Ignaz Worm PhD on behalf of Water Alliance
27th November 2024, Bari, Italy*

ORGANIZZATO DA



Nuova Fiera del Levante, 27-28 novembre 2024

IN COLLABORAZIONE CON



WELCOME TO THE NETHERLANDS!

wateralliance^{••}



THE NETHERLANDS: ABUNDANCE ÁND SHORTAGE OF WATER



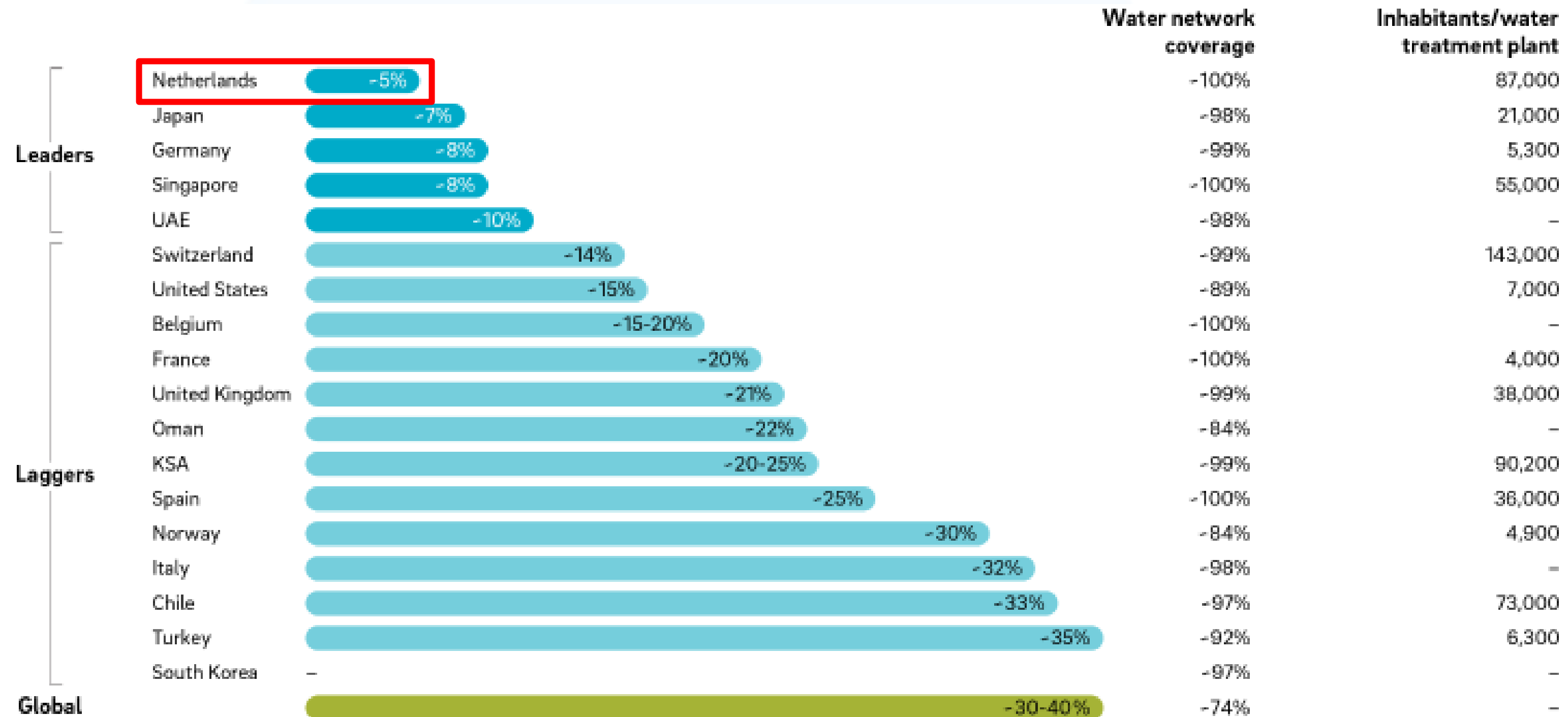
Vitens weigert aanvragen, 'zekerheid
drinkwater onder druk'



▲ Vorig jaar was het ook kurkdroog. De bodem van de oever van de Rijn was gescheurd door de droogte.

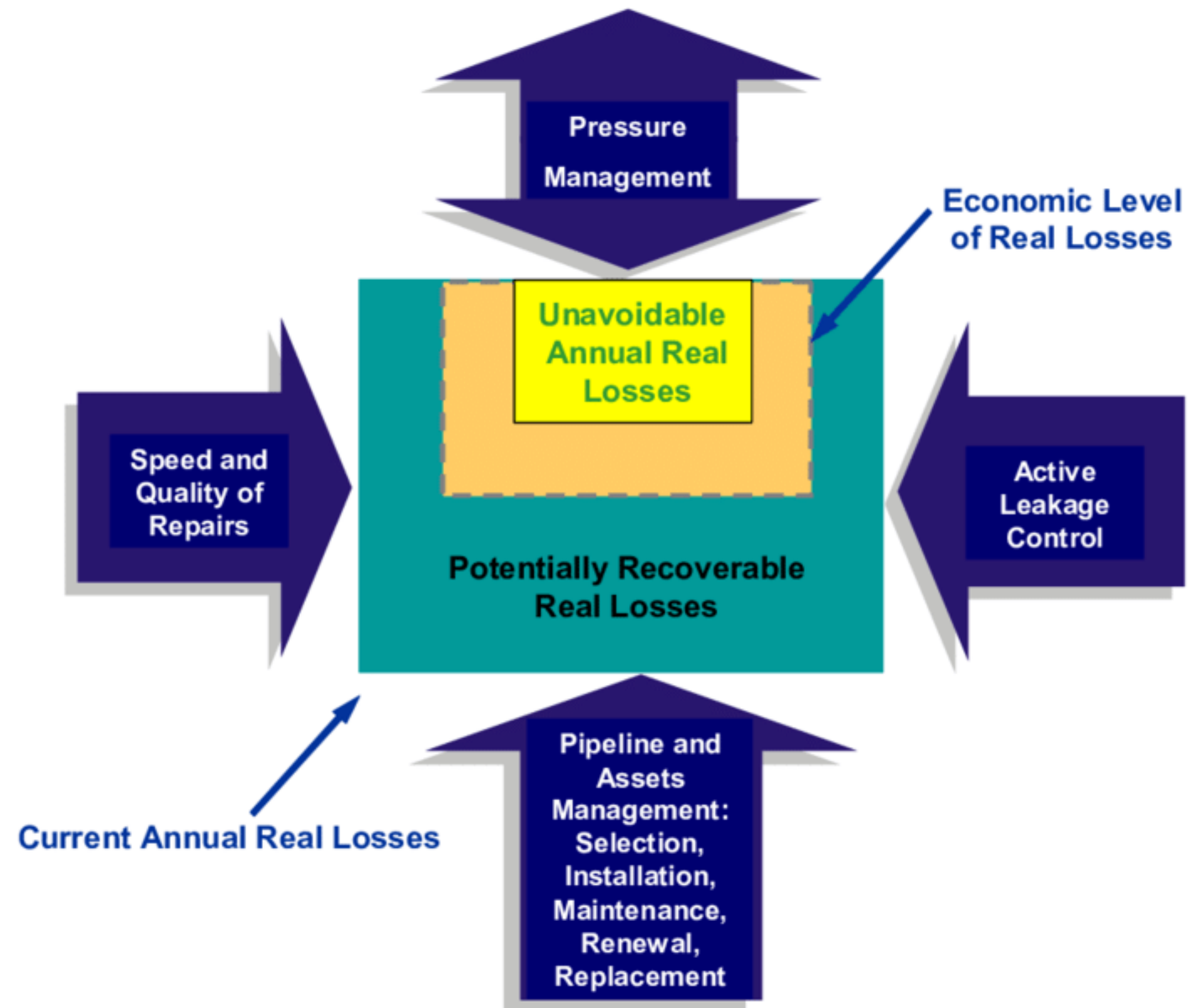


THE NETHERLANDS: ABUNDANCE AND SHORTAGE OF WATER

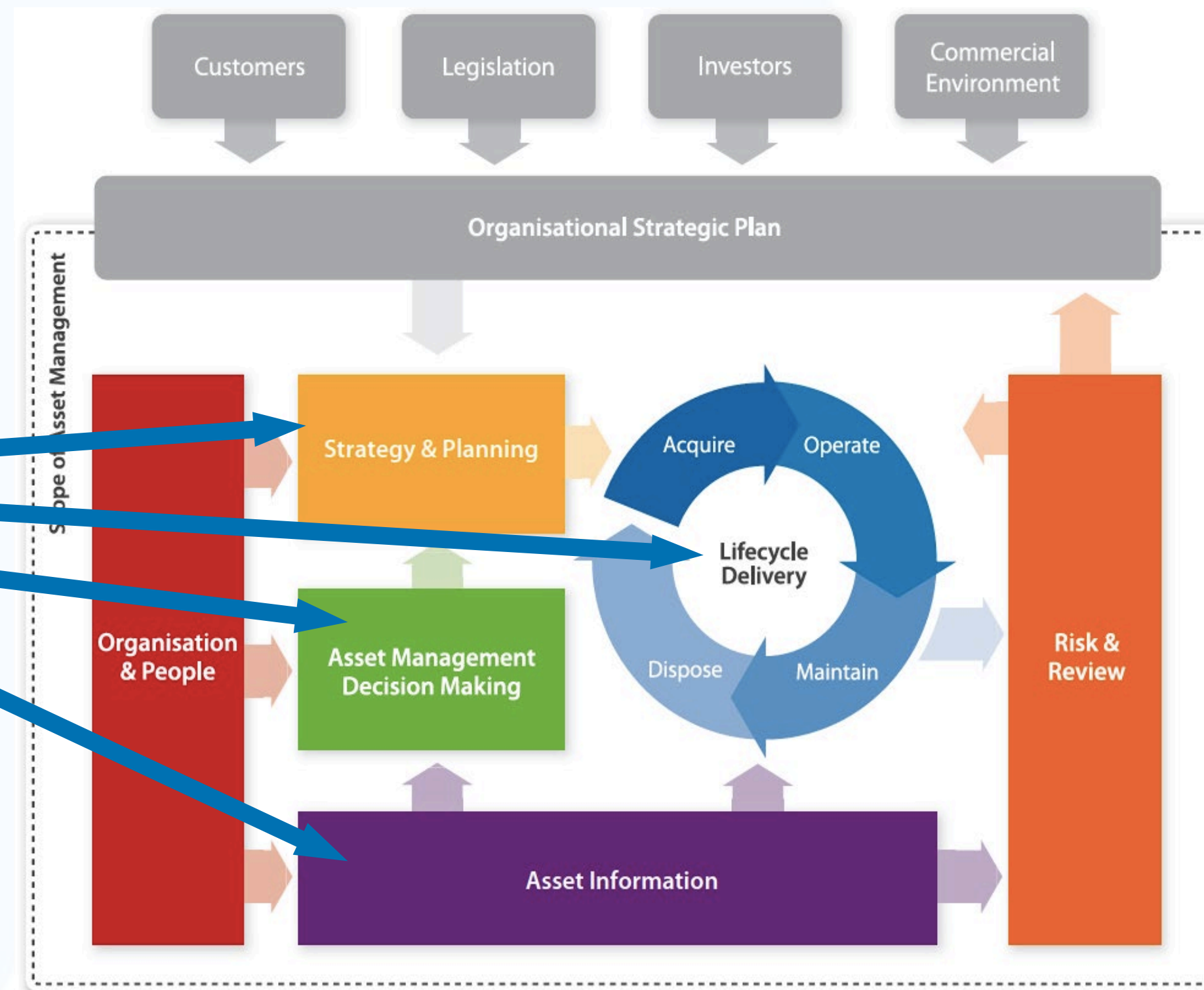


Source IEP, Yale, CNT, GWI, Secondary research

4-PILLAR APPROACH OF INTERNATIONAL WATER ASSOCIATION



THE VALUE OF ASSET MANAGEMENT



DIGITISATION IN THE WATER SECTOR

Execution of optimal projects



Decision support



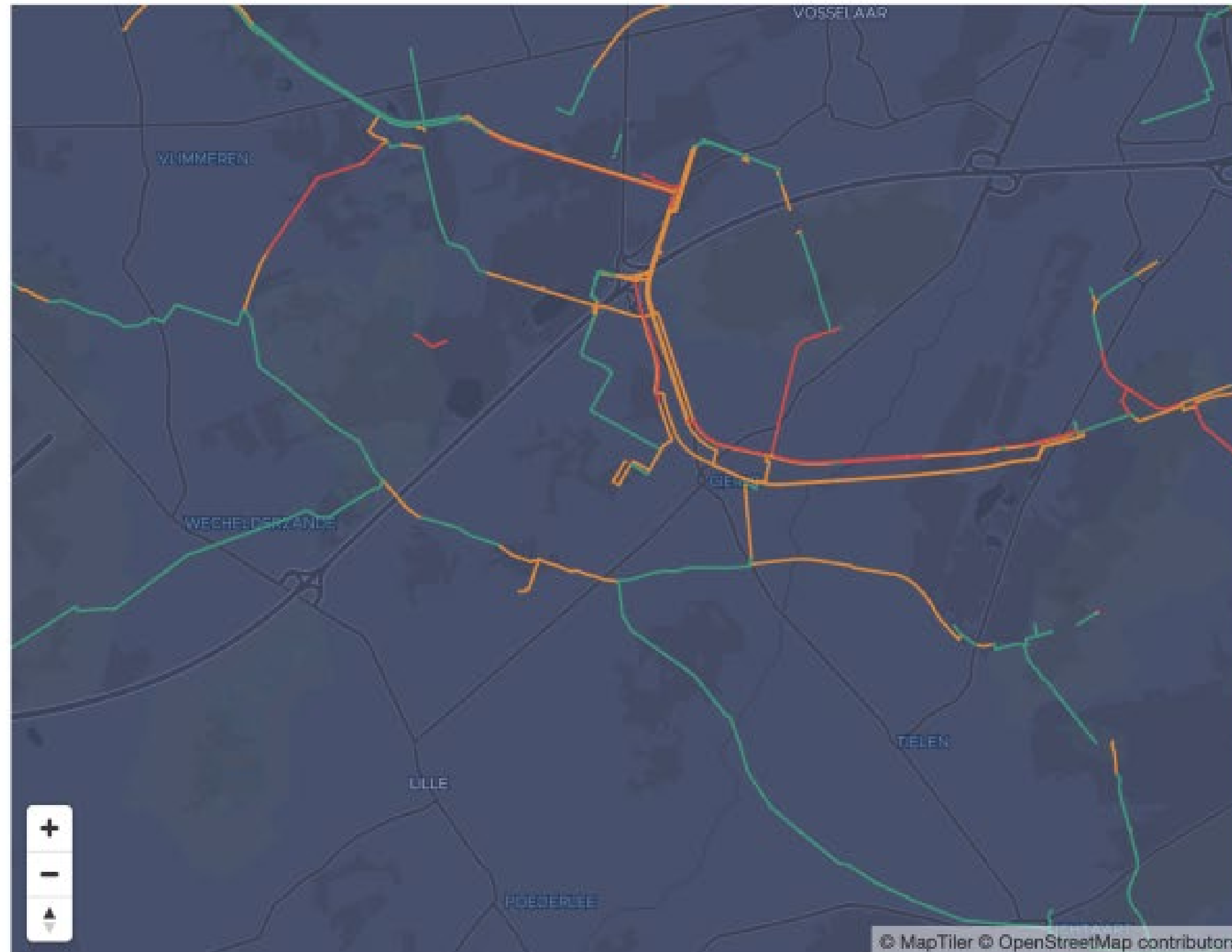
Objective analyses



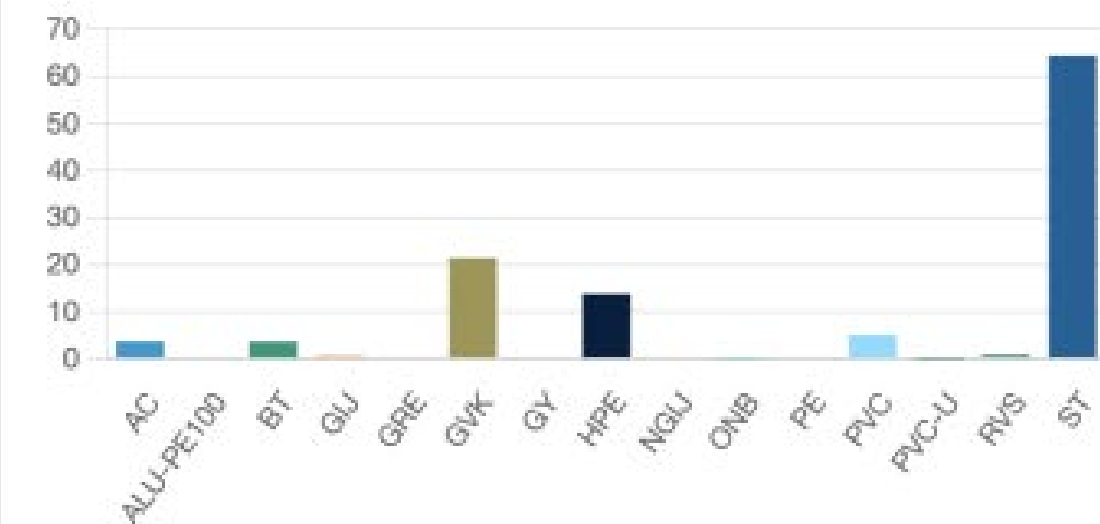
Uniformed and integrated data



CASE: RISK ANALYSIS WITH SI-REHAB



Material vs length (km)



Chance vs length (km)



CASE: DECISION SUPPORT WITH BESTNET

Combiner

Scenarios

Selezionare combiner run:

BestNet_demo_run_Ignaz

Selezionare il tipo di calcolo dello scenario:

Sampled Scenario

Valutazione 'successo della sostituzione'

7

Ambizione di sostituzione

1.25 %/anno

Impostazioni aggiuntive

Esegui

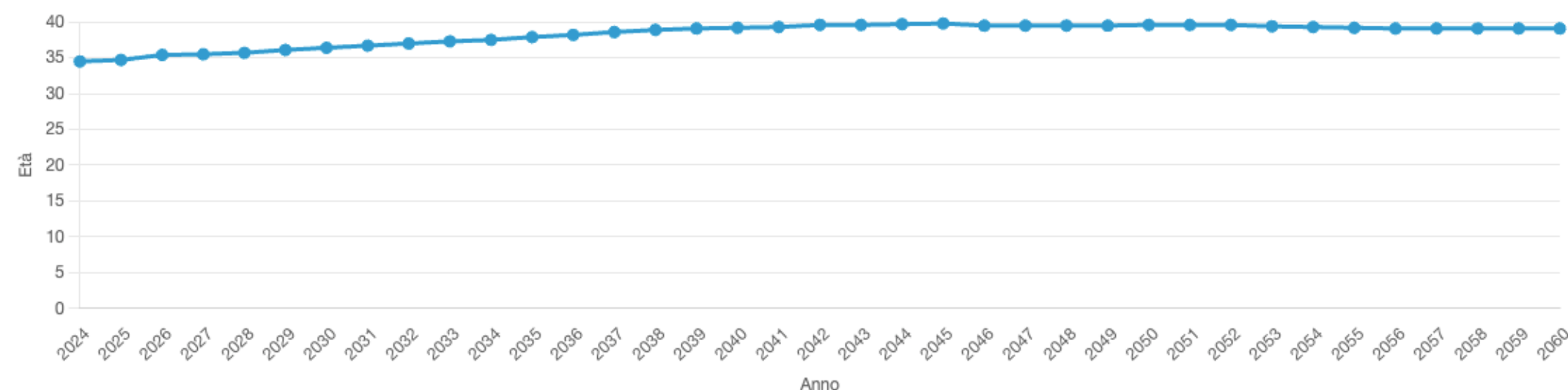


Aperto salvato scenario

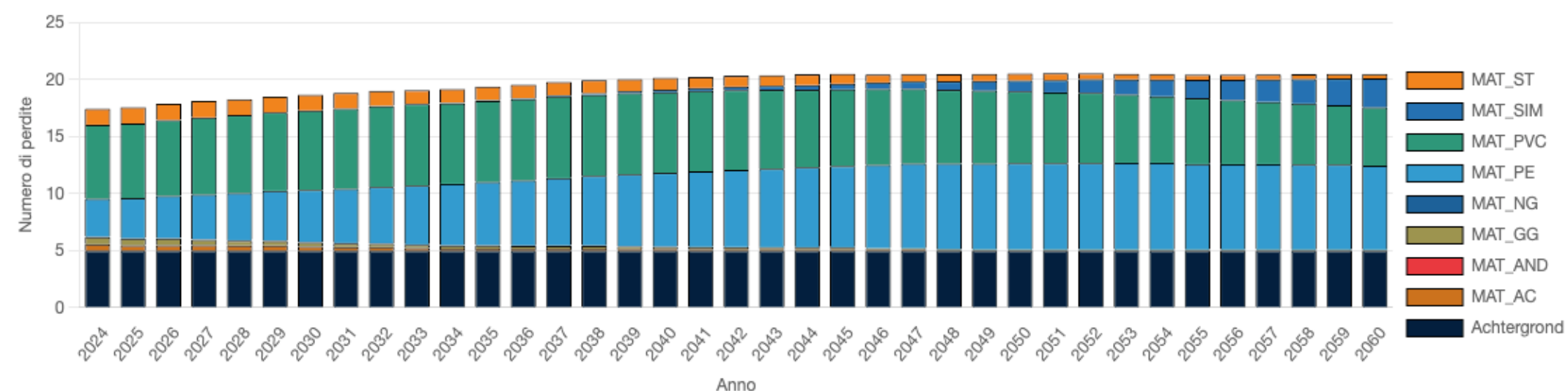
Project Builder

Carta

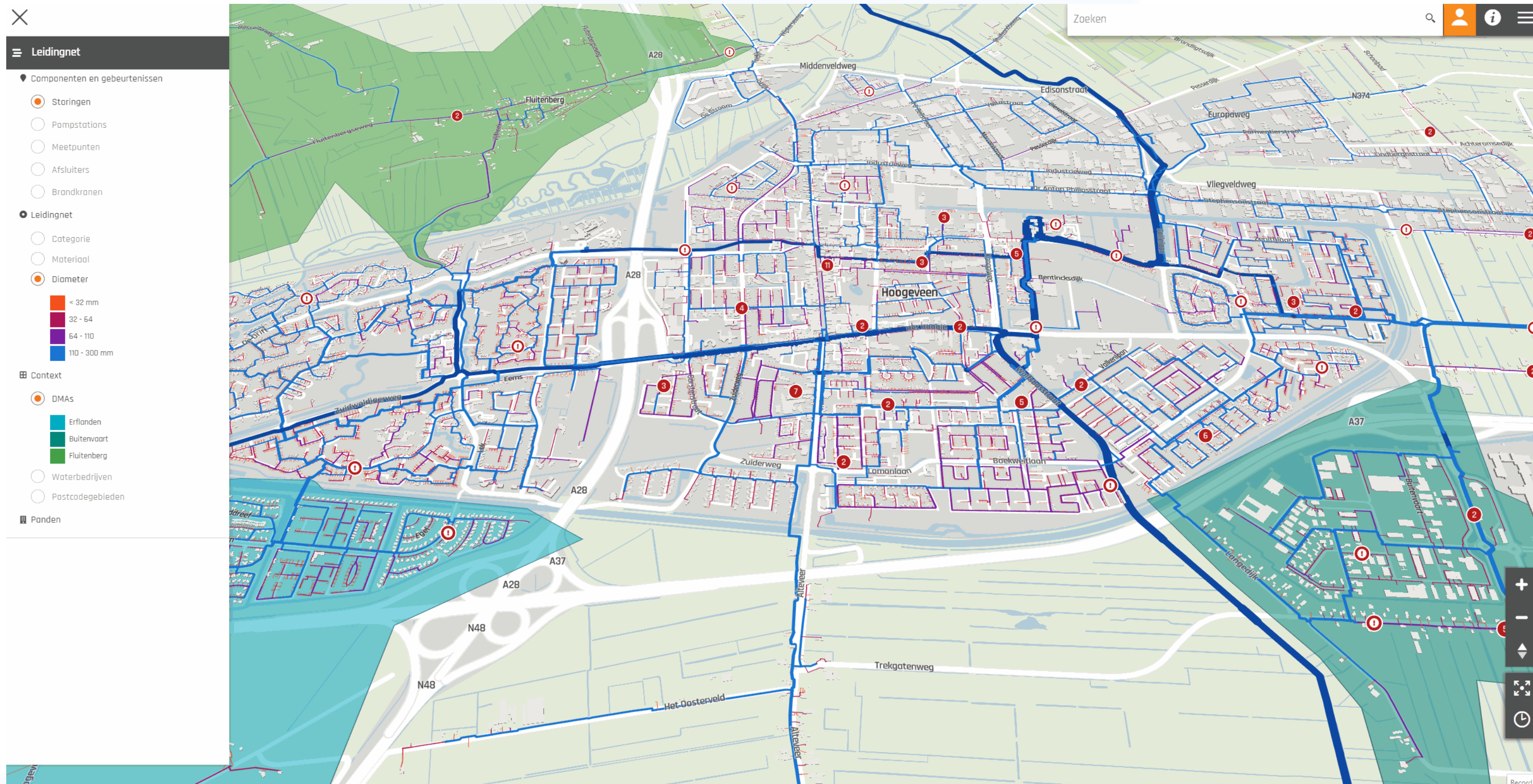
Età media ponderata della rete



Numero di perdite per materiale all'anno



CASE: COMBINING TIME SERIES AND SPATIAL DATA



2025 – 2027 EXCHANGE BETWEEN ITALY AND THE NETHERLANDS

- Dutch Embassy in Rome and Dutch Consulate in Milan
- Water Alliance
- Netherlands Enterprise Agency
- 8 Dutch technology companies
- Invitation to co-organise visits and knowledge exchange!
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