digital-water.city

Leading urban water management to its digital future

H2020 innovation action | 5 M€ funding

2019-2022

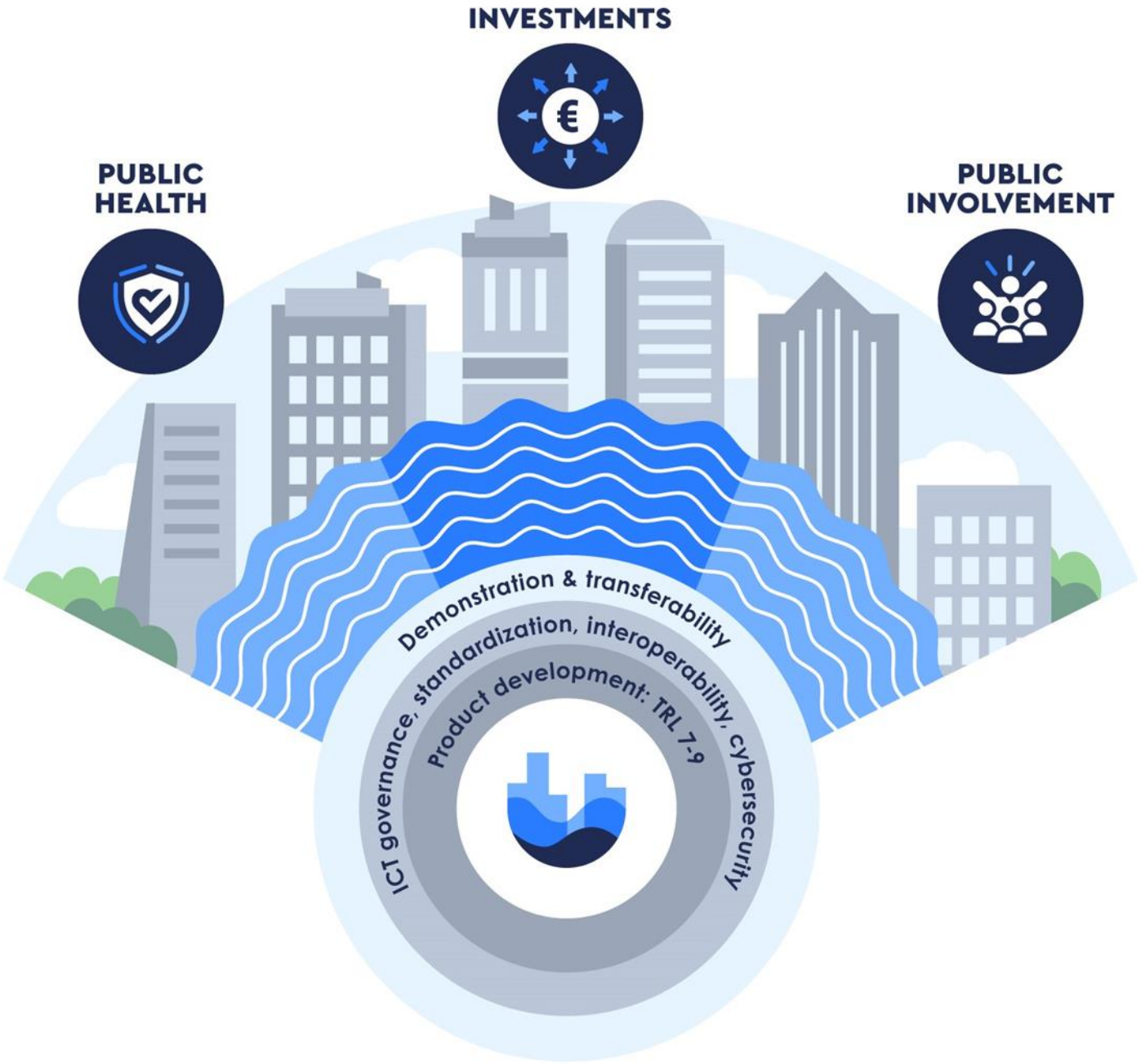
Nico Caradot

Kompetenzzentrum Wasser Berlin

digital-water.city has received funding from the European Union's H2020 Research and Innovation Programme under Grant Agreement No. 820954.

Objective

Develop and demonstrate **15 advanced digital solutions** to address water-related challenges



24 partners

KOMPETENZZENTRUM Wasser Berlin

Digital Water .City

Utilities

Berliner Wasserbetriebe

Sofiyska Voda

SIAAP
Service public de l'assainissement francilien

GRUPPO CAP

BIOFOS

R&D

UNIVERSITÀ POLITECNICA DELLE MARCHE

UNIVERSITÀ DEGLI STUDI DI MILANO

SINTEF

irstea

SORBONNE UNIVERSITÉ

DHI

eco logic

ISTITVTO SVPERIORE DI SANITÀ

Companies and SME

ICRA Institut Català de Recerca de l'Aigua

PARTNERS4URBANWATER
Langeveld | Liefting | Schilperoort | De Haan | Post

IPEK

ICATALIST

fluidion
fluidic intelligence

GIMENO grupo

kondo

Vragments

Strane Innovation

Arctik
Communication for sustainability

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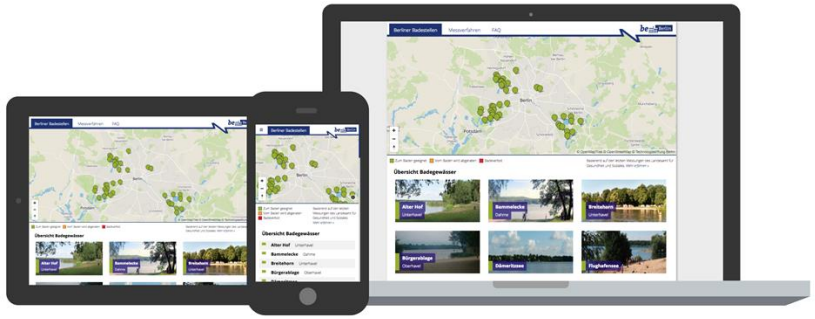
5 cities > EU challenges

Bathing water

Early warning system to forecast bathing water quality and communicate with the public



Mockup: Technologiestiftung Berlin

Real-time measurement of bacterial contamination

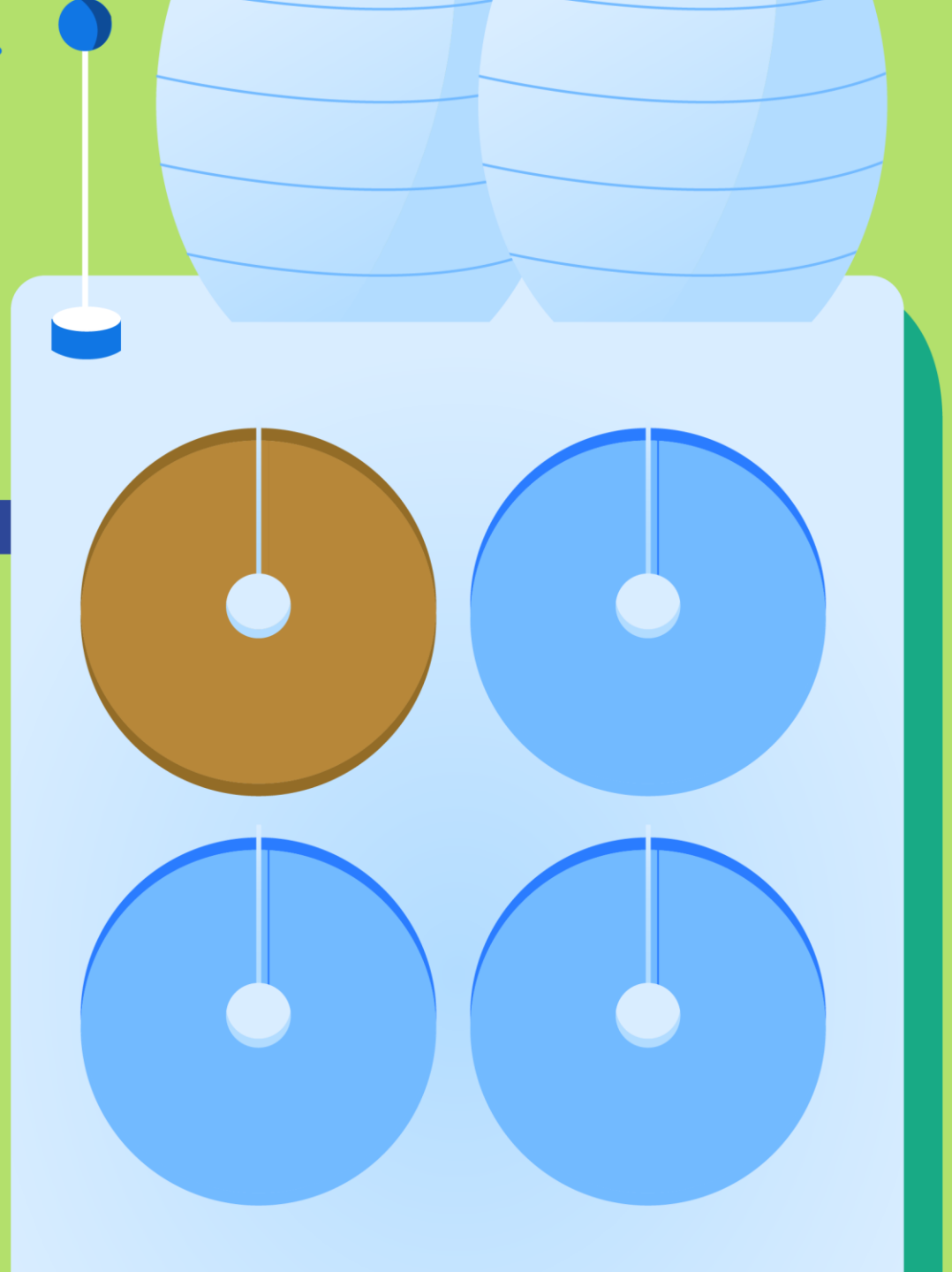
Drinking water

Predictive asset management of drinking water wells

Sewer

- *Innovative monitoring of sewer illicit connections*
- *Low costs CSO monitoring technology with T sensor*
- *Advanced 48h sewer flow forecast*

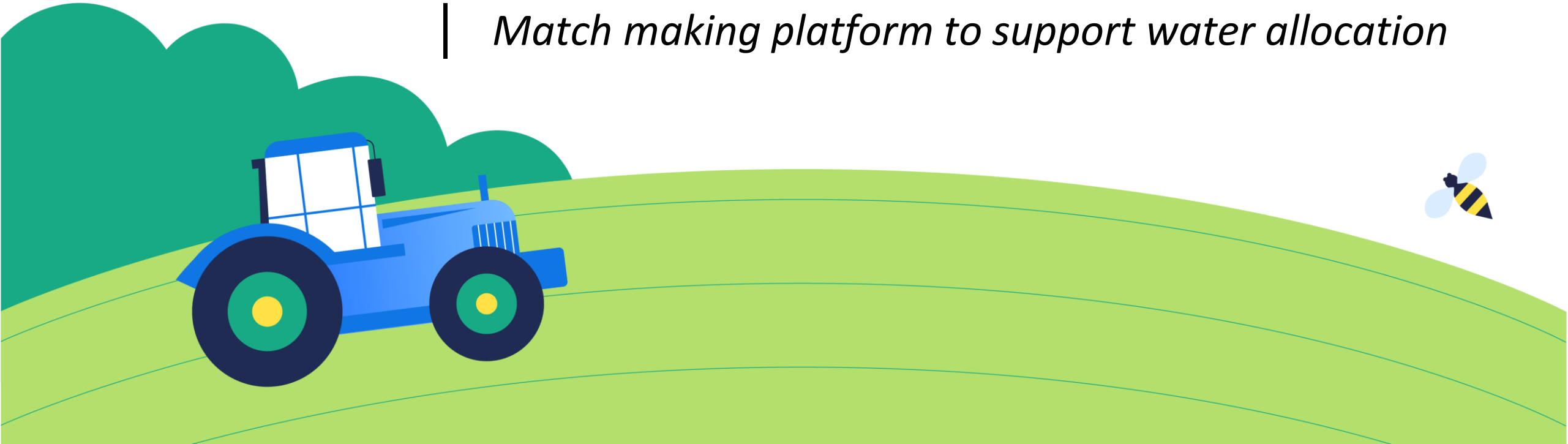
Treatment plant



- *Real-time control of WWTP and sewer retention capacities*
- *Early Warning System for water reuse*

Water reuse

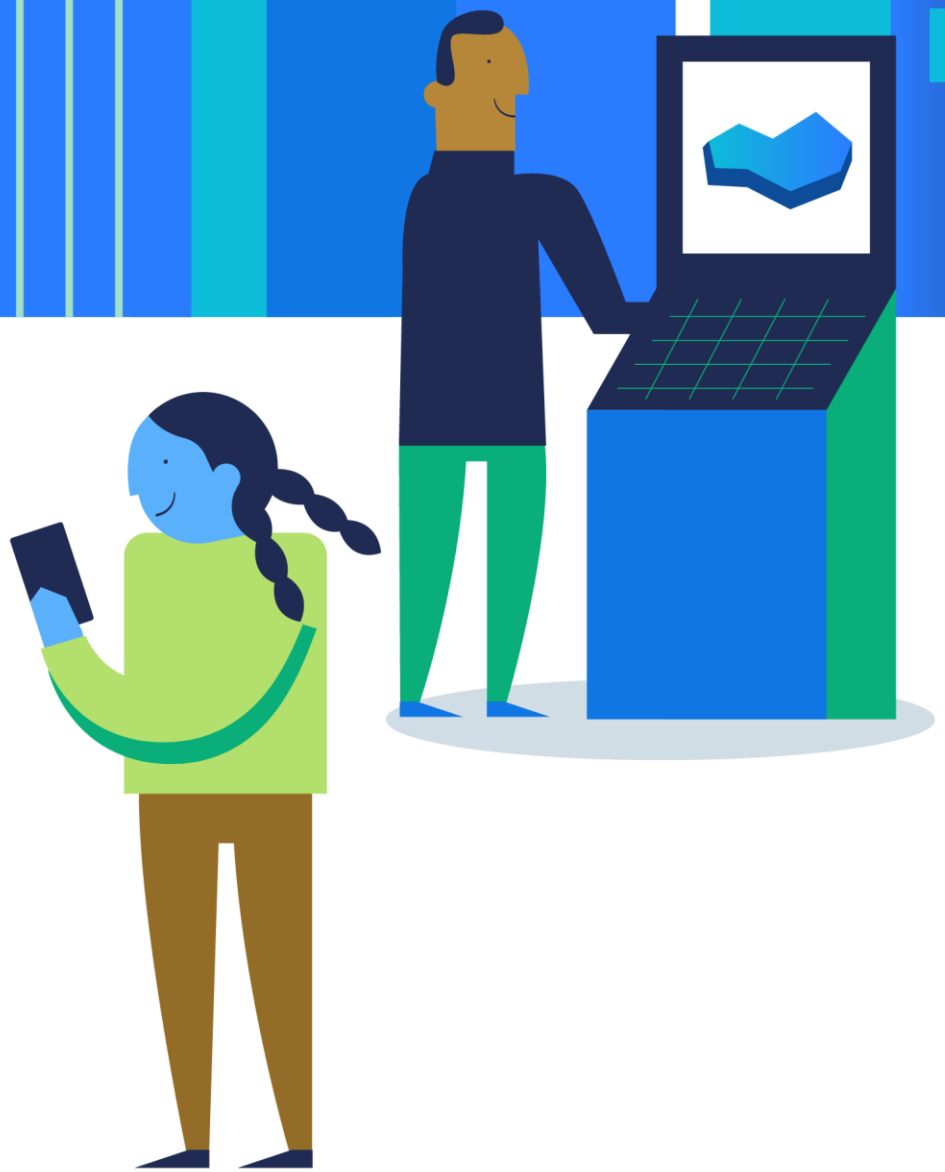
- *Remote monitoring of water stress*
- *Match making platform to support water allocation*



Public involvement

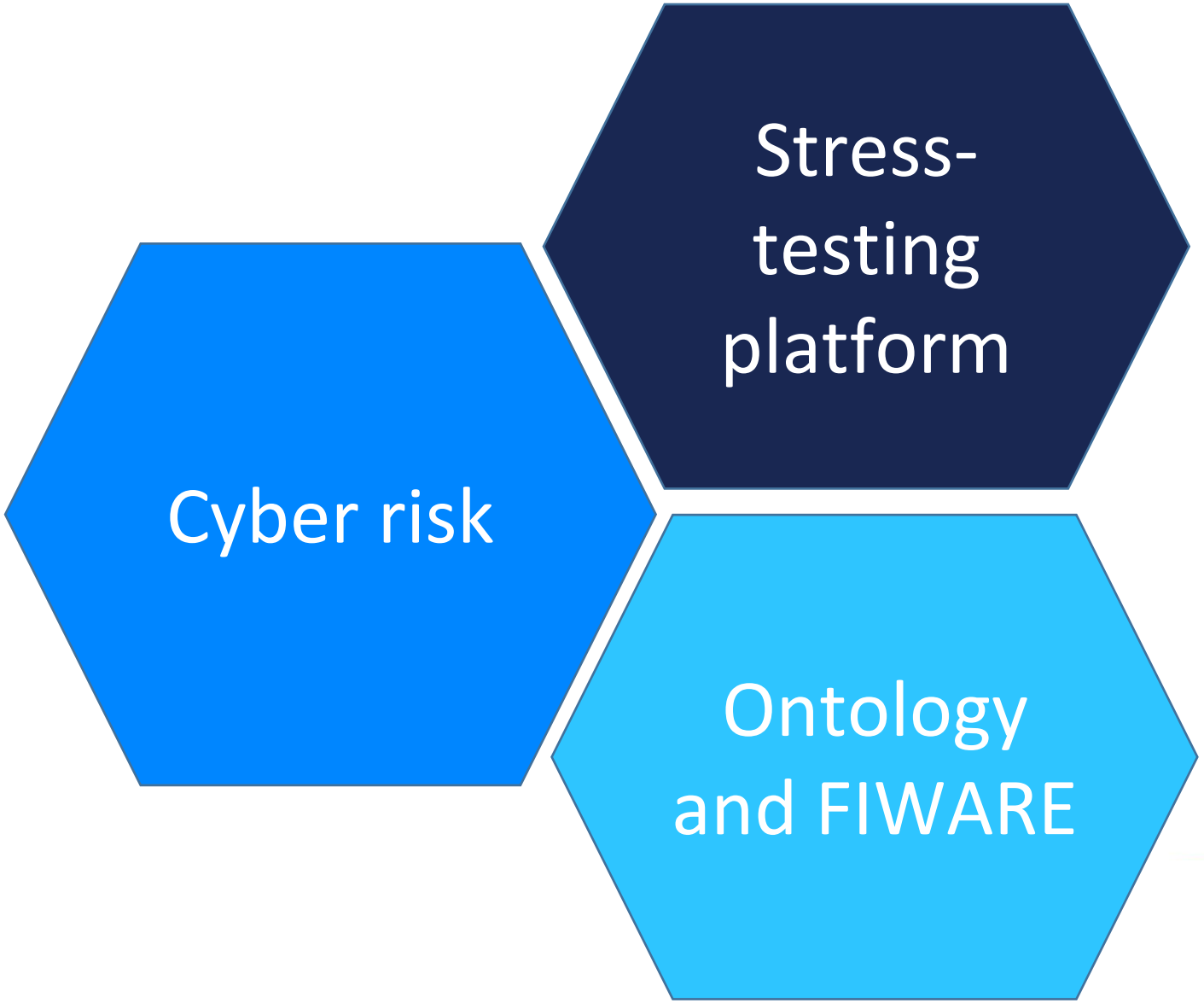
- *Augmented Reality (AR) app to communicate groundwater issue with the public*

- *Serious game to communicate the benefits of reuse in term of nexus*



Interoperability + Cybersecurity

The success of a digital solution does not depend only on the product itself but also on its **safe integration** into the utilities systems



DWC in few words

- → Leverage the **potential of data and digital** technologies
- → **Boost the water management** in 5 EU cities
- → **Promote the value** of the digital solutions for the tech providers
- → Achieve a **new step in the integration** of digital solutions in EU, in particular regarding cybersecurity, interoperability and governance

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Focus on two cities

#Paris

2024 Olympic games

#Berlin

Protection of river quality and drinking water sources

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