



The European Water Platform

THE VALUE OF WATER



Multiple Waters,
for multiple purposes and users

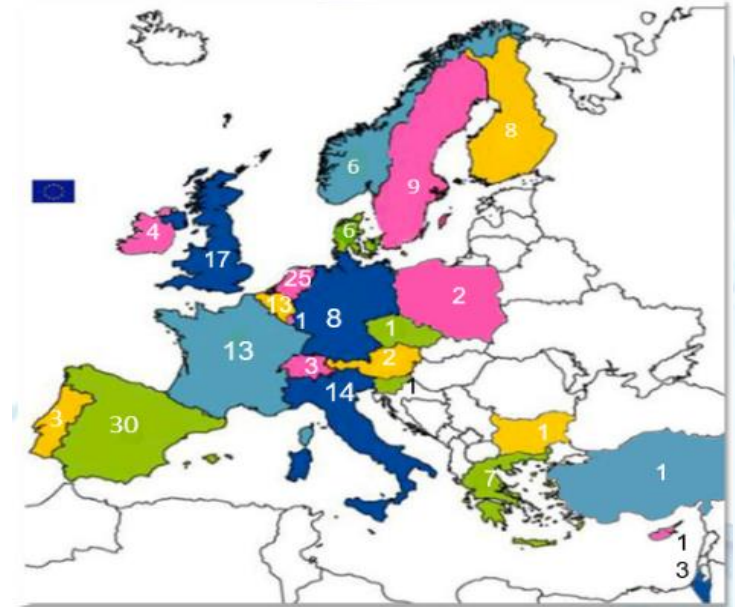
*WssTP vision on European Research and Innovation
regarding Emerging Compounds in the Water Cycle*

Leonard Osté,
Jan Hofman, Isabel Oller Alberola

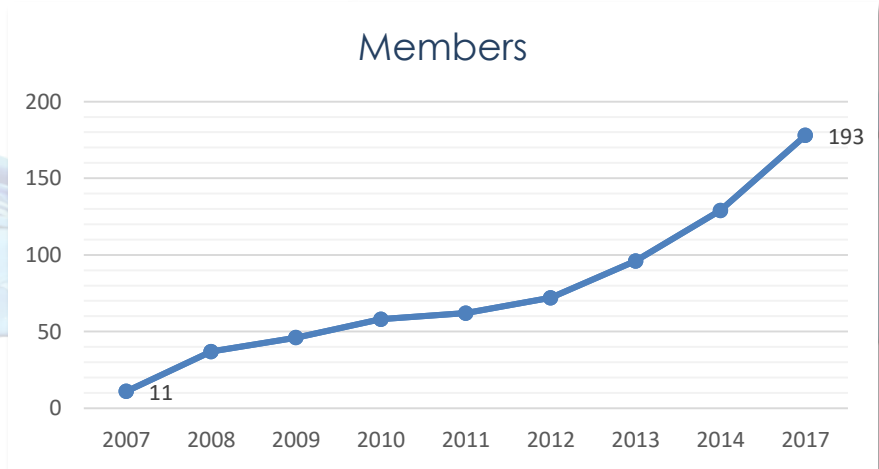
■ Water Supply and Sanitation Technology Platform: **The European Technology Platform for the Water**

■ **Mission:**

- ✓ Improve **coordination and collaboration** in the water sector and water using sectors;
- ✓ Enhance **performance** of the European water sector and water using sectors;
- ✓ Contribute to solving **societal challenges** through RTD&I.



Members



- Board
- Staff (paid)
- Clusters (4)
- Working groups (around 20)
 - Emerging compounds*
 - Urban water pollution

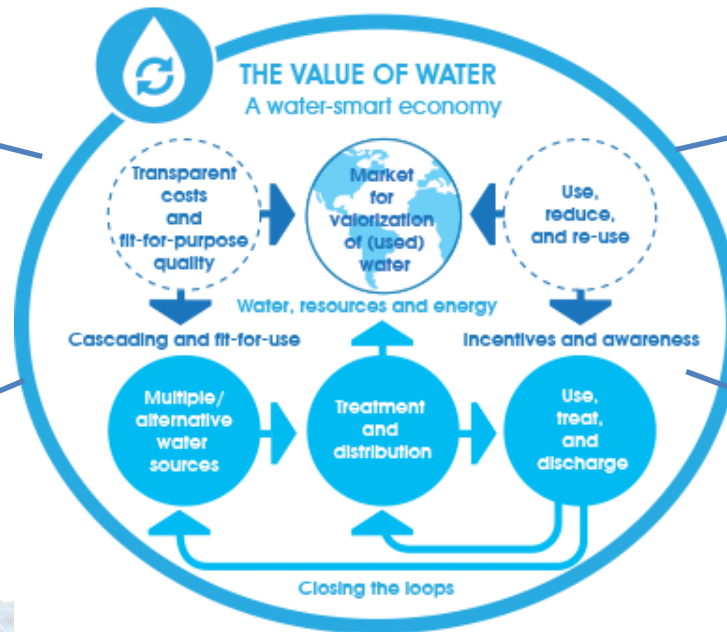


* CECs (Contaminants of Emerging Concern) is more accurate

WssTP vision: water-smart societies

Developing a water-smart economy

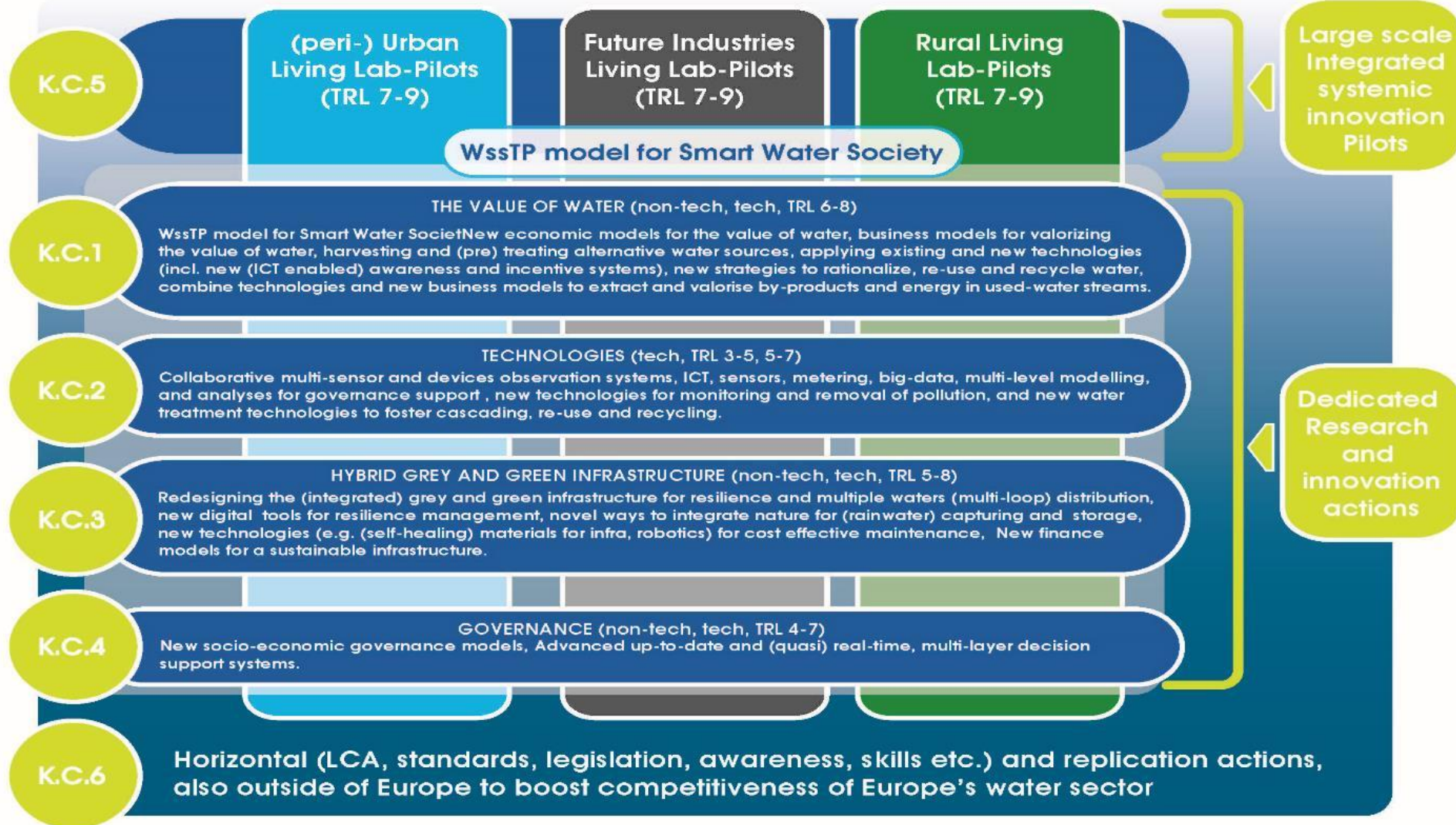
Multiple Waters, for multiple purposes and users



Rational use of multiple waters & boost markets

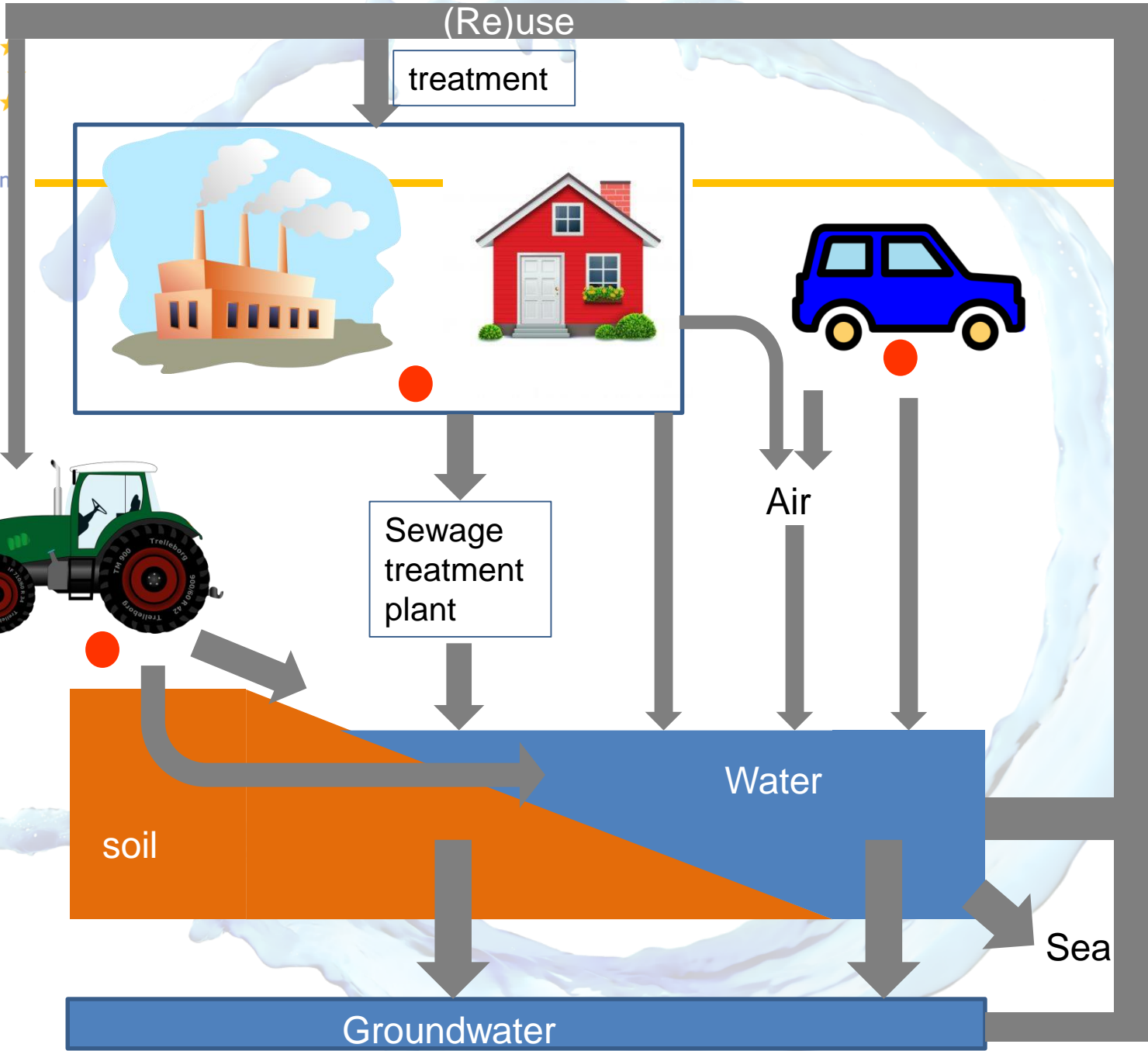
Increase circularity in the water economy

SIRA - model Strategic Innovation and Research Agenda



Important steps for CEC

- Production
- Use
- Waste water treatment
- discharges
- Fate and transport
- Ecological and human toxicity
- Drinking water treatment
- Reuse



The Working group experts

1. CECs in multiple waters:

- Screening and monitoring
- Big data
- Modelling CECs in the whole water cycle
- Prioritisation and regulation

Chair: Leonard Osté

2. Enabling multiple purposes and uses (chain approach):

- Prevention ('green chemistry', collection, replacement)
- Waste water treatment
- Drinking water treatment

Chair: Isabel Oller Alberola

- Chair: Jan Hofman (University of Bath)
- Engage with stakeholders/WssTP members in the consultation process of the Evaluation of the UWWTD
- Collecting information on implementation issues in member states
- Write position paper

1. Multiple waters

- Effect based assessment of mixtures
- Big data and emerging compounds
- Modelling the substances we can not measure.
- Effect of CECs on antibiotic resistance
- Food web/population effects of emerging compounds

2. Multiple purposes and users

- An efficient water cycle: prevention and purification in every step (including resilience of natural system)
- Improved treatment technologies for emerging compounds
- How to coop with storm waters

- Protect the environment from the adverse effects of waste water discharges from urban areas and certain industrial sectors
- Implementation is challenging: 95% urban wastewater is collected, 85% treated
- Evaluation criteria: *effectiveness, efficiency, relevance, EU-added value*
- See: https://ec.europa.eu/info/law/better-regulation/initiatives/ares-2017-4989291_en

Thank you,
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