

Institute for Sustainable Process Technology

Water transition Platform kick-off meeting

2 July 2026; Amersfoort

Opportunities for decreasing fresh water consumption

Regional collaboration

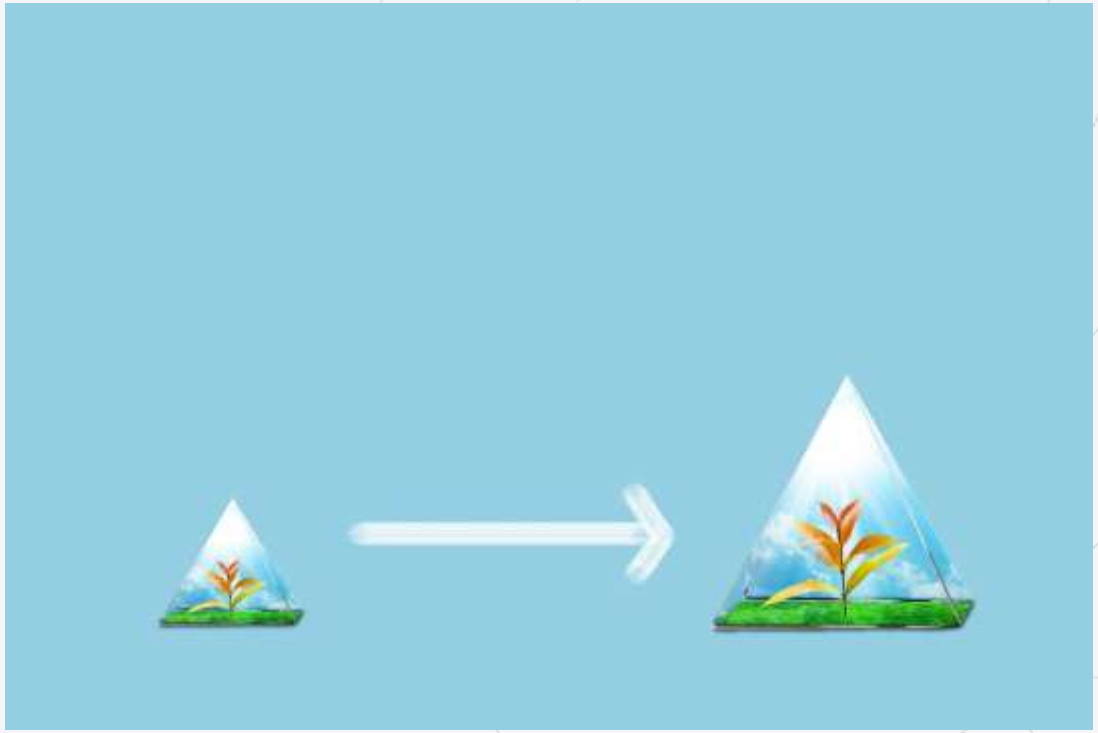
Water cascading and industrial symbiosis

Use of alternative water sources

Reuse of effluent and rainwater

Integrated water system approach

Smart water hubs



Industry challenges

- Water reuse increases complexity
- Strict quality requirements
- High energy and emission costs
- Discharge regulations for brine streams
- Need for major investments
- Challenges (and opportunities!) exceed individual sites
- Unclear and/or strict legal framework, responsibilities and mandate



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Multiple sustainability goals

- Reduction in drinking water and ground water consumption
- Water Framework Directive – reduced concentration of discharges
- Reduction in energy consumption and CO_2 emissions
- Reduction in NOx emissions
- Safety and hygiene (NVWA)

Water initiatives



Freshwater supply is discussed and managed through **national and regional programs** addressing water availability and quality.

Regional collaborations are emerging to address water challenges collectively, improving resource allocation and management.

Active R&D and innovation initiatives target water reuse, efficiency, and advanced treatment solutions

Despite ongoing efforts, **widespread impact remains limited**, emphasizing the need for broader adoption of solutions.

National Water Transition Platform

Why a Water Transition Platform?

Driving impact through shared learning and coordinated action

- Accelerating the transition towards water efficiency and reuse requires cross-sector collaboration
- Fragmented knowledge, regulations, and responsibilities slow down implementation
- Many water reuse initiatives face complex system-level barriers beyond the scope of individual organizations
- Inspired by the successful ISPT Heat Integration Platform, this initiative provides a national knowledge and reflection hub

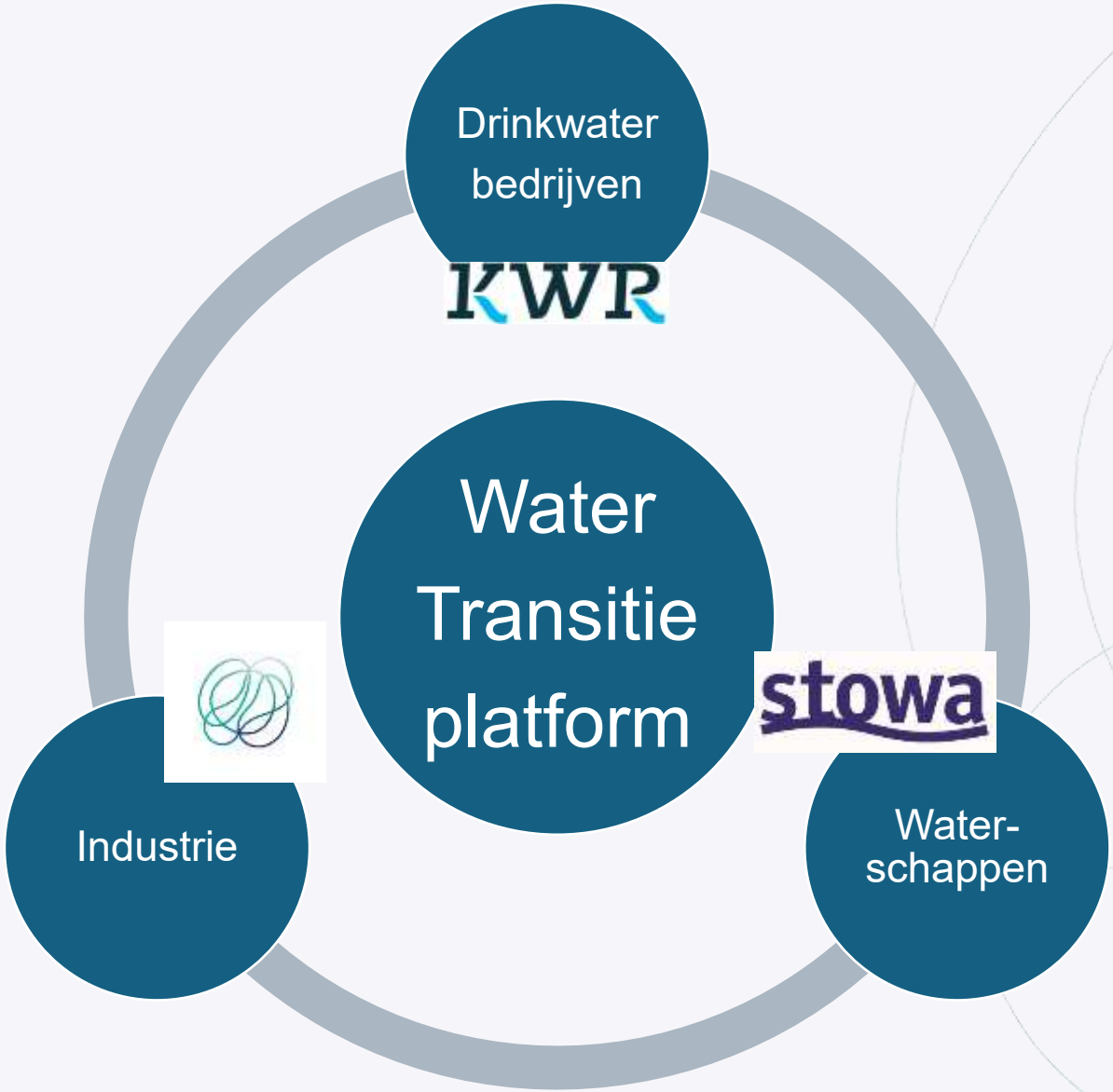
increase the impact of knowledge, strengthen collaboration, and unlock scalable solutions

What is the Water Transition Platform?

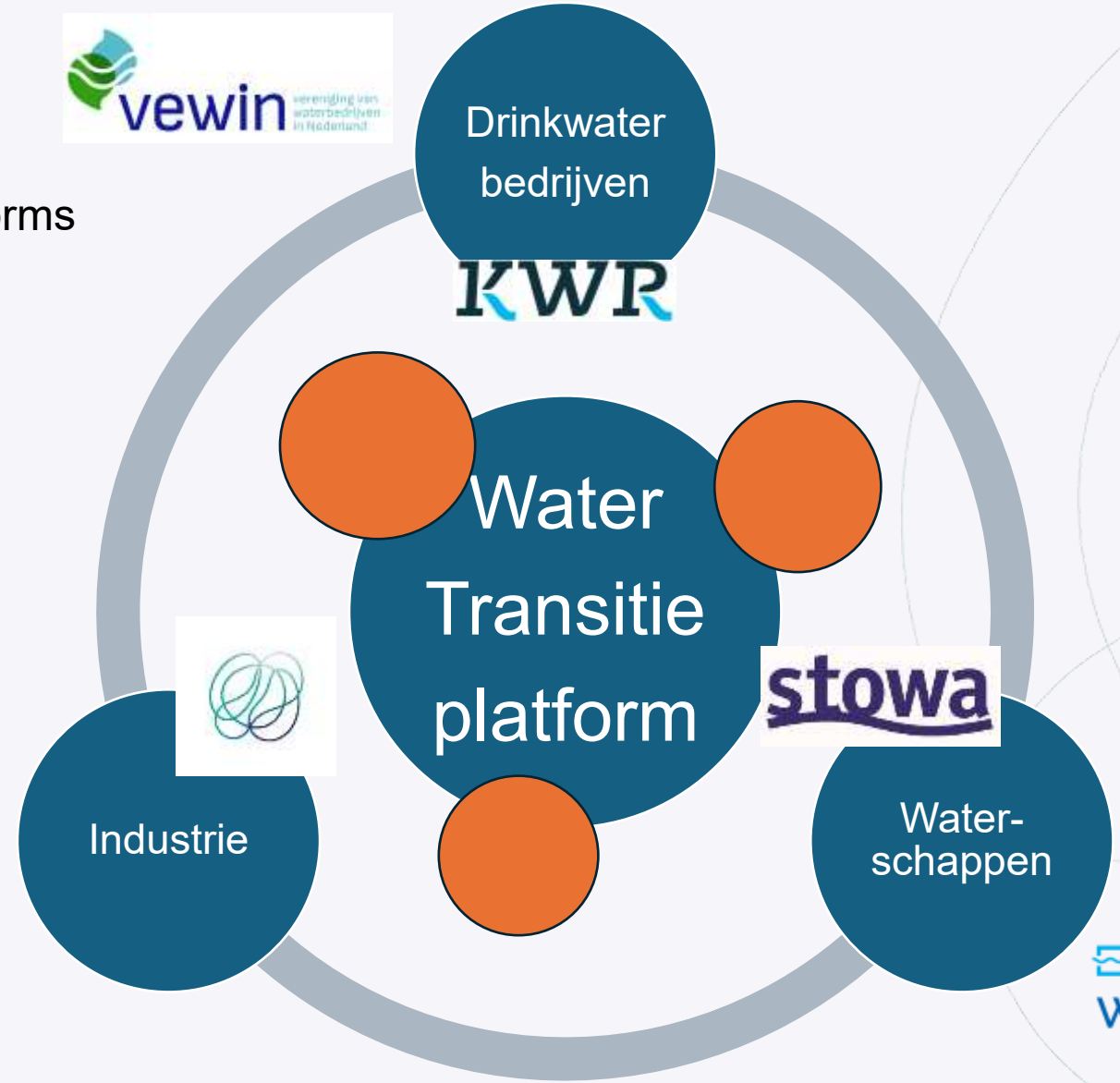
A national learning community and sounding board

- A growing **learning community** bringing together industry, water utilities, water authorities, and knowledge institutes - Active exchange of:
  - Industrial water-saving and reuse cases
  - Practical experiences, scientific insights, and policy perspectives
  - Lessons from both successful and unresolved cases

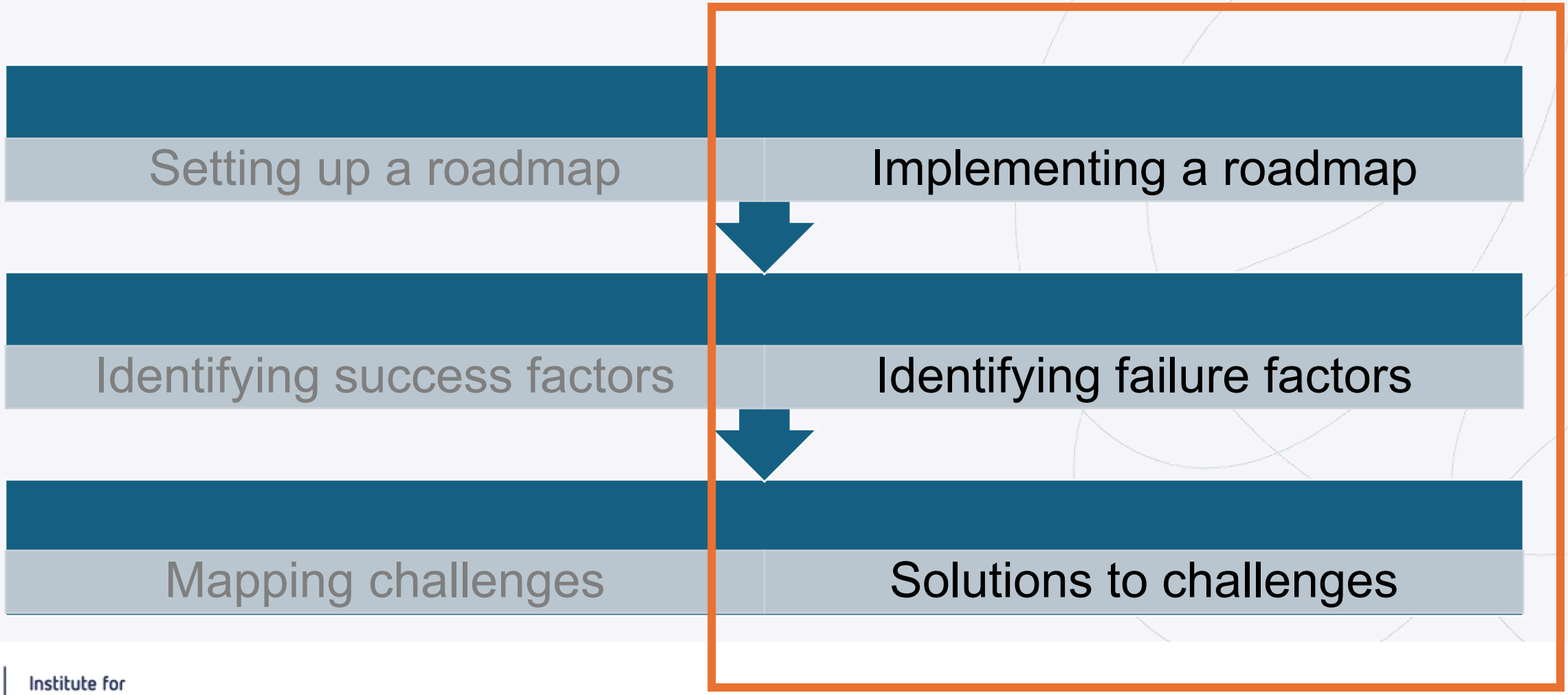
- A flexible **sounding board group** incl. (semi)public authorities (e.g. ministries, regulators, provinces) - Functions as:
  - Critical reflection and guidance
  - Validation and sharpening of proposed solutions
  - A bridge between theory, practice, and policy


Drinkwater bedrijven
KWR
Water Transitie platform
stowa
Industrie
Water-schappen

Regionale platforms



Focus on action



Analogy with energy

- **Adjustments to legislation** to enable solving challenges
- **Financial incentives** for flexible consumption
- **New contract models**
    - Regional collaboration in Energy Hubs
    - Feeding energy back into the grid, batteries

Kick-off Watertransitieplatform

13 november 2026, Ter Apel



Institute for Sustainable Process Technology

Doet u ook mee?

Aanpak via concrete cases vanuit industrie, landbouw, waterschappen of drinkwaterbedrijven