

Improved water efficiency in the process industry by intelligent water management and technology solutions

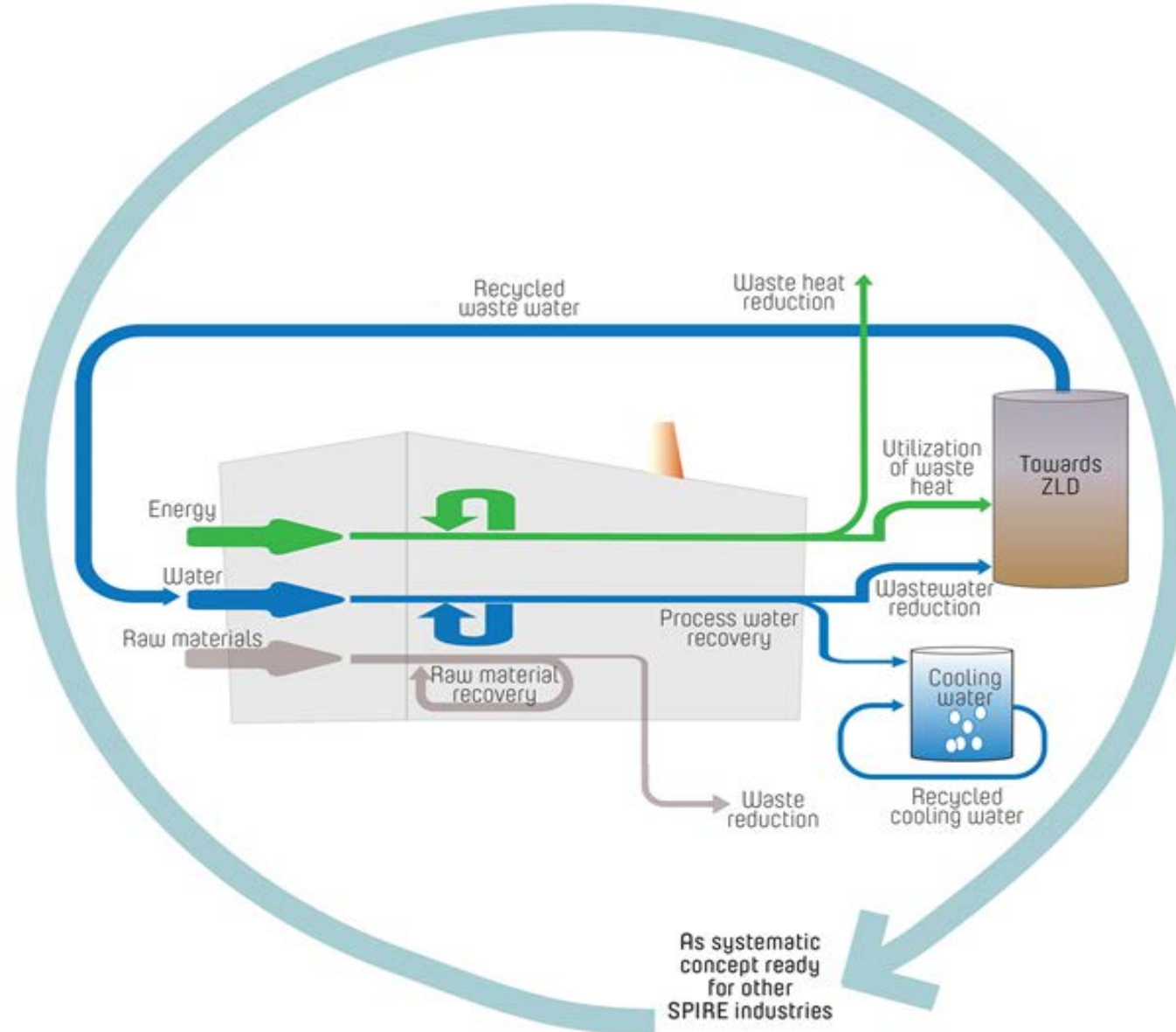
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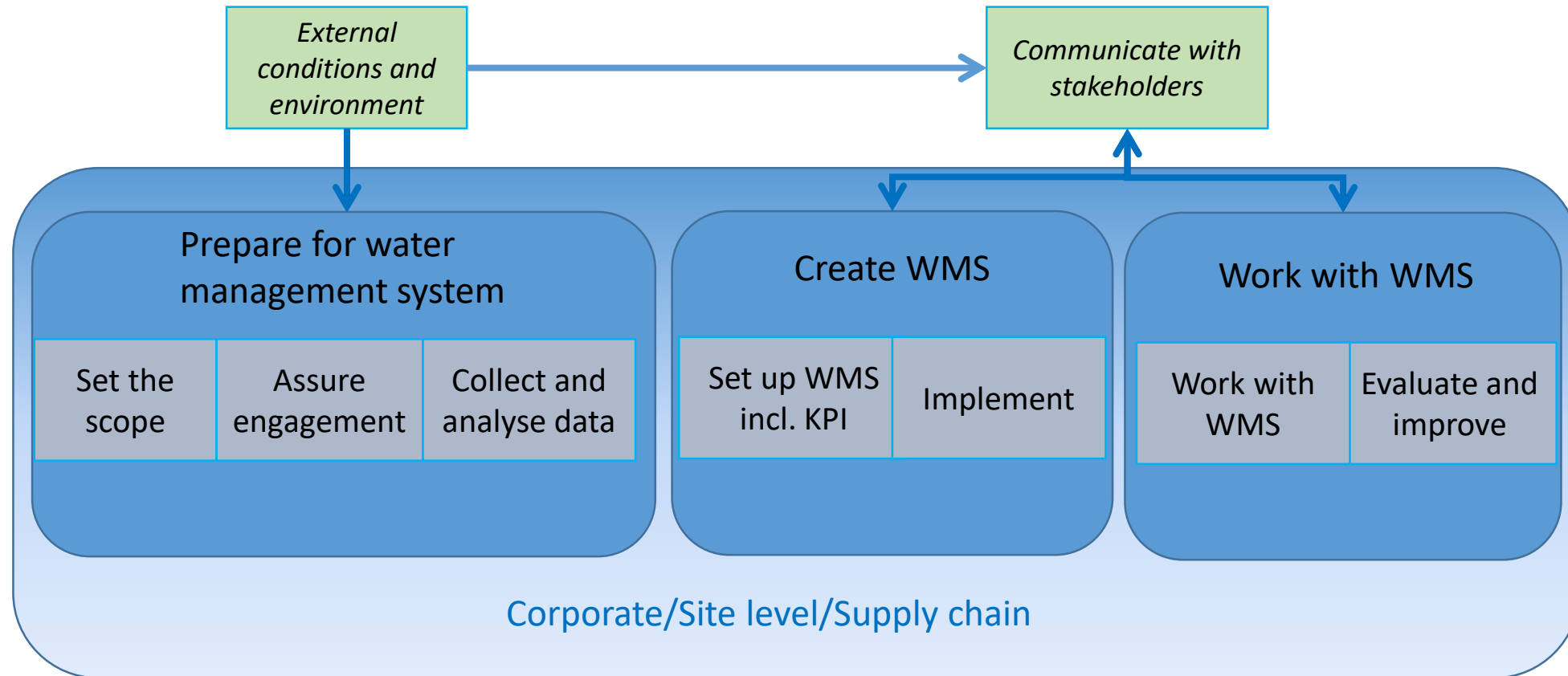
Why improved water efficiency?

- Process integrated re-use of resources is used, but further potential exists
- Industry is one of the relevant water users (as urban and agricultural use)
- To ensure safe water supply
- Opportunity to save energy and resources
- Meet current and future legislation
- Long-term sustainability

What is INSPIREWATER about?



Systematic water management



Demonstration of technologies

- Steel industry:
 - Magnetic separator for metal removal
 - Biocide free control of microorganisms
 - Nanofiltration for pickling bath recovery
- Chemical industry: towards Zero-liquid-discharge
 - Forward osmosis
 - Membrane filtration (RO)
 - Catalyst for fouling control