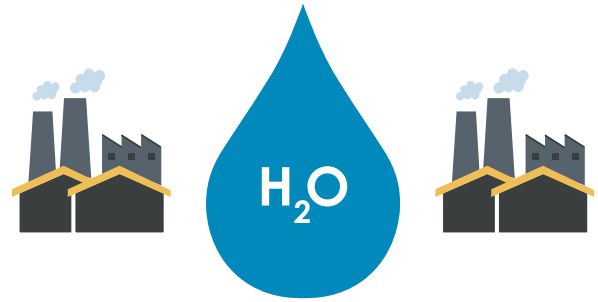


# CASE WATCH 09 : INDUSTRIAL WATER NETWORKS

Optimise water use in process industry via water networks in industrial clusters.

Increase water efficiency by cross-sector collaboration in industrial water networks.



## CASCADING OUR WATER

### KEY INSIGHTS

- optimise water use
- reduce fresh water demand
- integrate sites & clusters

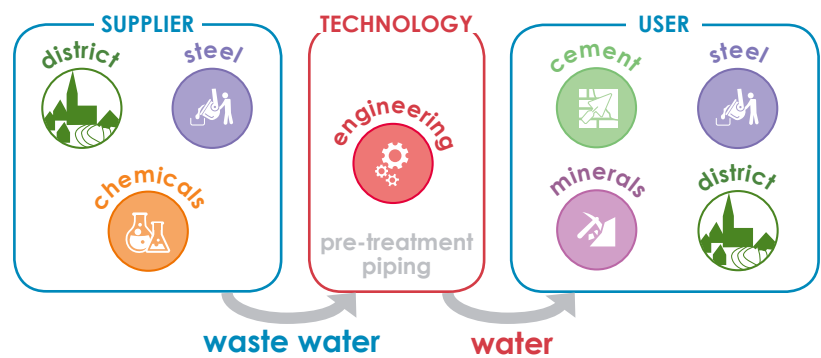


Figure 1: Synergy scheme <sup>1</sup>

## CROSS-SECTOR COLLABORATION

Energy-intensive industries have a high potential to exchange water in industrial clusters.

Industrial clusters have a growing demand for regional water networks.

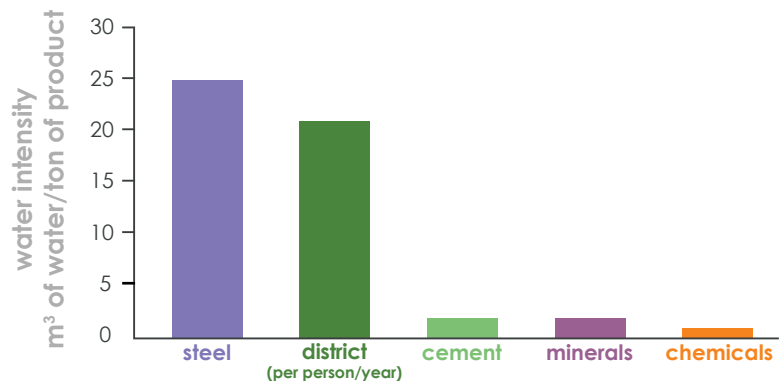


Figure 2: Cross-sector potential <sup>1,2,3,4,5,6,7</sup>

## SUSTAINABILITY IMPACT

### Wins for industry

- › overall gains: 1-1.5 €/m<sup>3</sup> exchanged<sup>8</sup>
- › high relevance in water scarce regions<sup>4,8</sup>

### Environmental gains

- › fresh water savings: 10-40% potential<sup>9</sup>

### Wins for society

- › security of supply due to water reduction
- › improved community relations in regional clusters
- › job creation and new skills development



Figure 3: Sustainability <sup>1</sup>

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