CASE WATCH 15 : WASTE WATER TREATMENT

Optimise water treatment in process industry and seek synergies with other industries.

Reduce water pollution and fresh water use by joint investment in treatment plants.

CARING FOR WATER

KEY INSIGHTS

- optimise water management
- reduce fresh water demand
- integrate sites & clusters
- collaborate with society

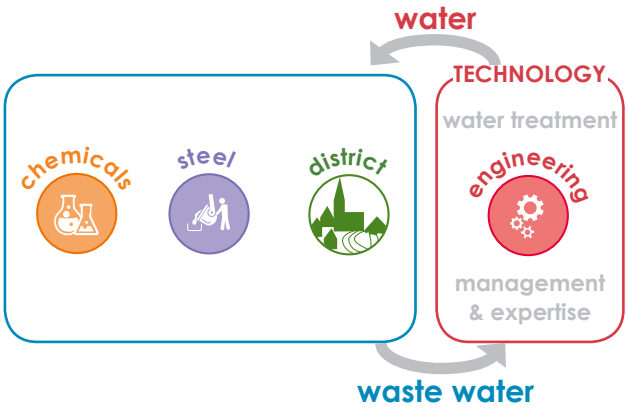

Figure 1: Synergy scheme [1]

CROSS-SECTOR COLLABORATION

Process industries have a high potential to jointly invest in waste water infrastructure.

Industries have a growing demand for valorising co-products.

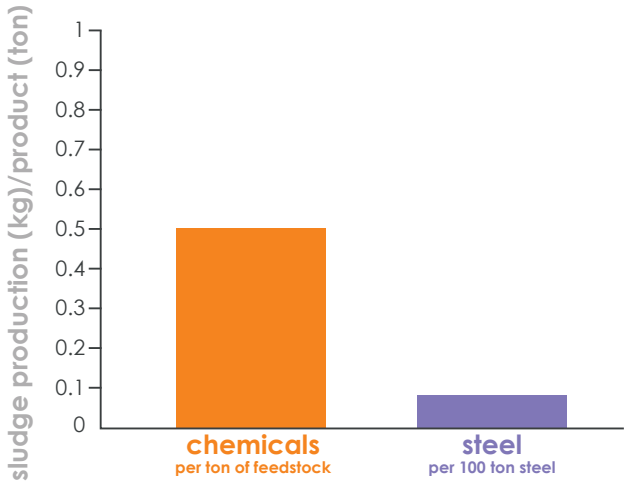

Figure 2: Cross-sector effluent potential [2,3,4,5]

SUSTAINABILITY IMPACT

Wins for industry

› for industry: economy of scale for waste water treatment[6,7]

Environmental gains

› water management: avoided pollution and increased reuse of water[6,7,8,9]

Wins for society

› public health benefits due to pollution reduction[1,10]

› improved business relations in regional clusters

Figure 3: Sustainability [1]

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