



Final Conference “Water in the circular economy -
Innovations for urban water treatment”

Reuse, Recovery and Resource efficiency.
Innovations in urban wastewater treatment

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The R3Water project

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www.r3water.eu

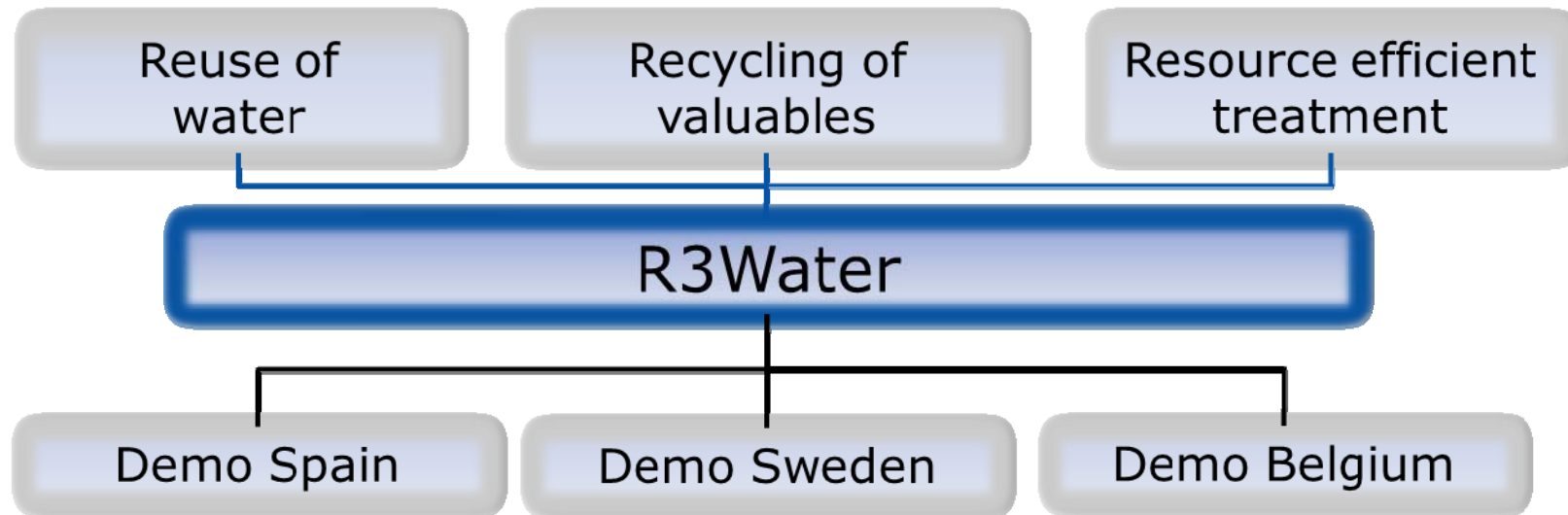
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- WWTP today – meeting requirements
 - A significant energy user
 - Emissions of greenhouse gases
 - Effluent might still contain viruses, pathogens and other unwanted contaminants
 - Generated sludge is a problem
- WWTP in the future – a resource recovery facility
 - Net energy production
 - Recovery of nutrients
 - Resource efficient treatment
 - Better treatment results
 - Water reuse
 - Generated sludge/waste is a resource



Project concept



12 partners (6 SMEs)

- Belgium: *Aquafin*
- Finland: *VTT, Ekolite/Renotech*
- Germany: *DECHEMA, AVA Green Chemistry Development*
- Great Britain: *Perlemax*
- Norway: *Prediktor*
- Spain: *Adasa, Icra, Teqma*
- Sweden: *Aqua-Q, IVL*



Map adapted from <http://ppt-toolkit.com>

Some of the goals for the project

Minimize the energy consumption by 15 %

Recover water from the waste water

Waste to valuables

Technologies

