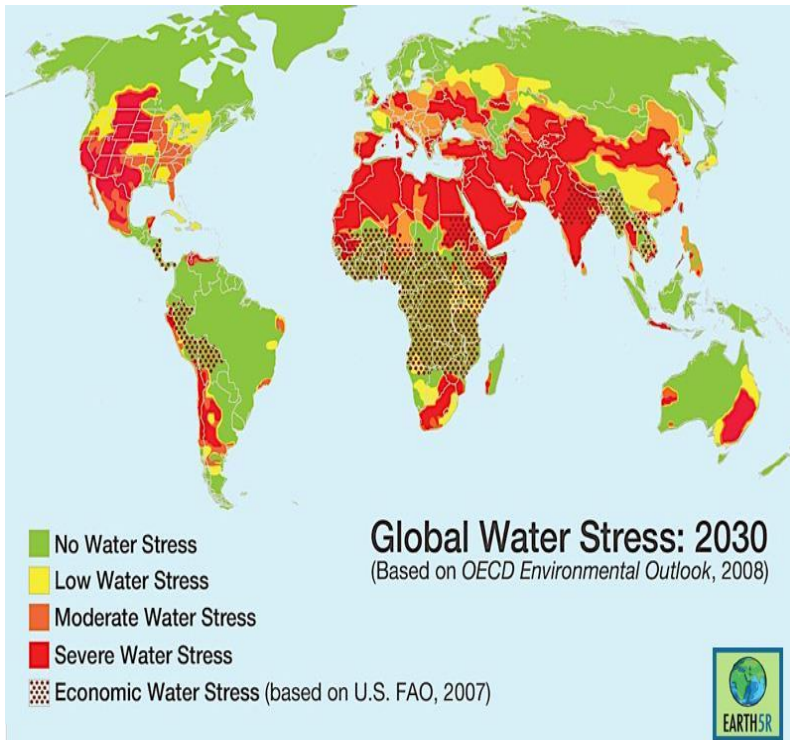


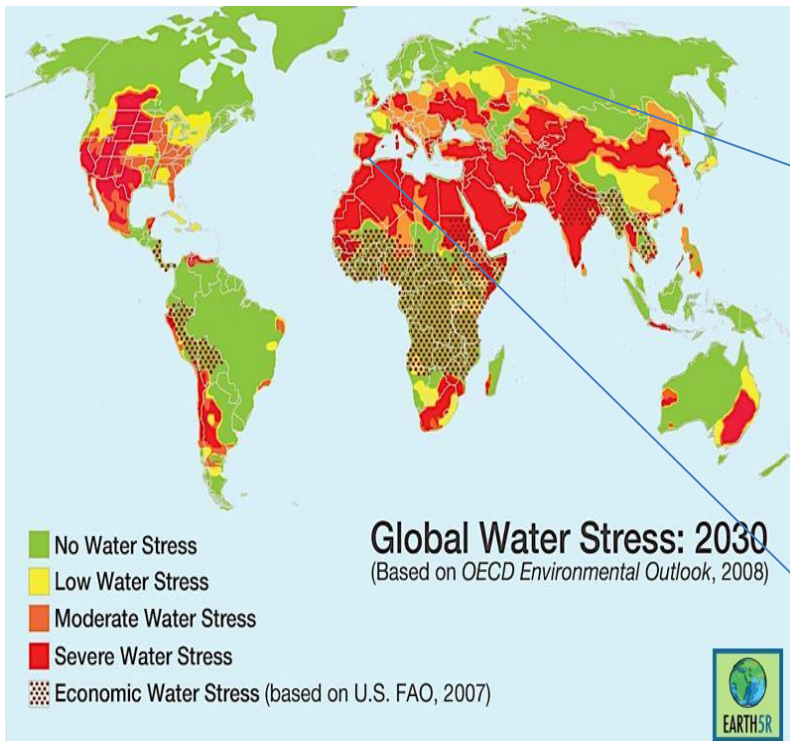
INTERREG 2 SEAS NEREUS PROJECT

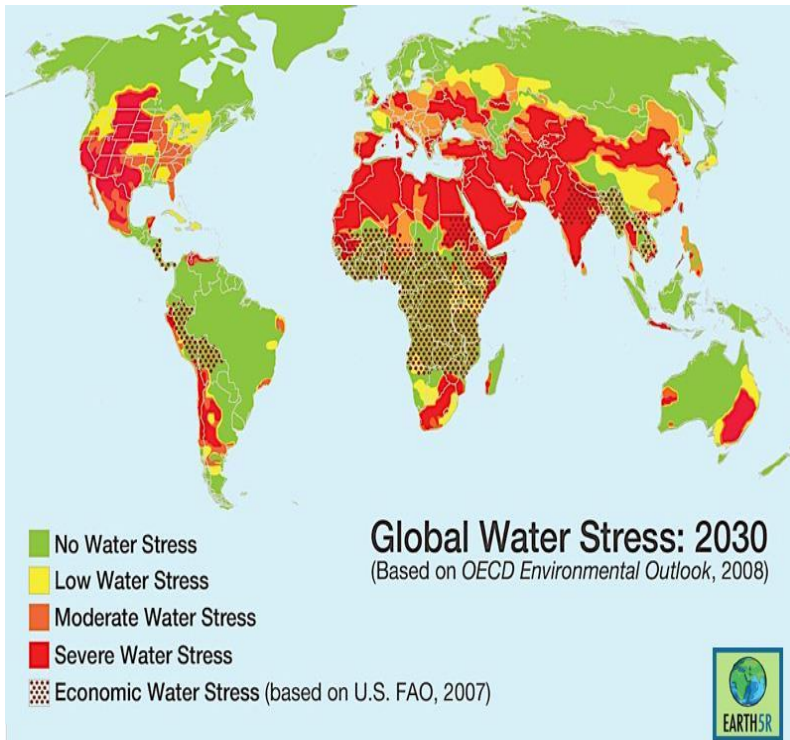
Veerle Depuydt, VITO

Thursday, 31st Of May
St Omer, France







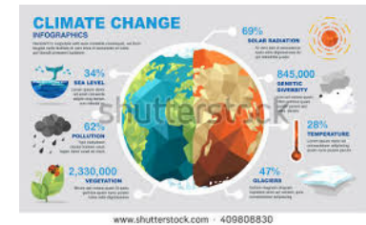


The time for water reuse

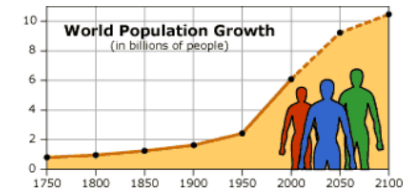
Water scarcity has been moving up on the global political agenda, including the 2030 Agenda for Sustainable Development



Limited water resources are increasingly stressed by over-abstraction, pollution and climate change



Demands for and use of water are growing due to increasing population, urbanization and socio-economic conditions



(slide WRE Conference 2017- Montserrat Termes-Rifé | Cetaqua)

Less than 3% of urban wastewater reused in whole of Europe

(using Hochstrat et al 2006 data; WRE Conference 2017)

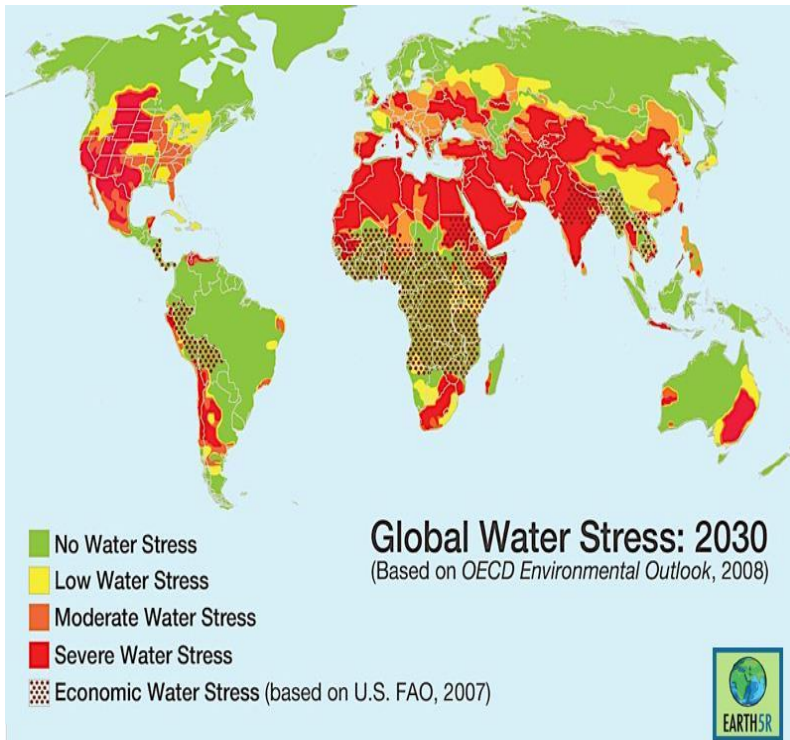


The time for water reuse

SUSTAINABLE DEVELOPMENT KNOWLEDGE PLATFORM



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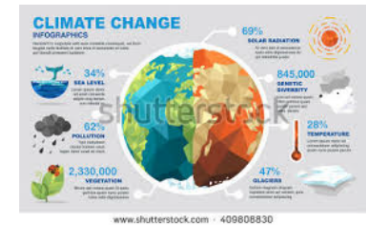


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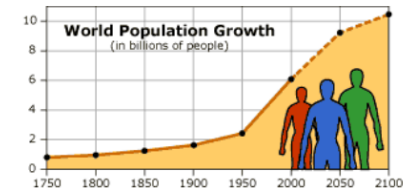
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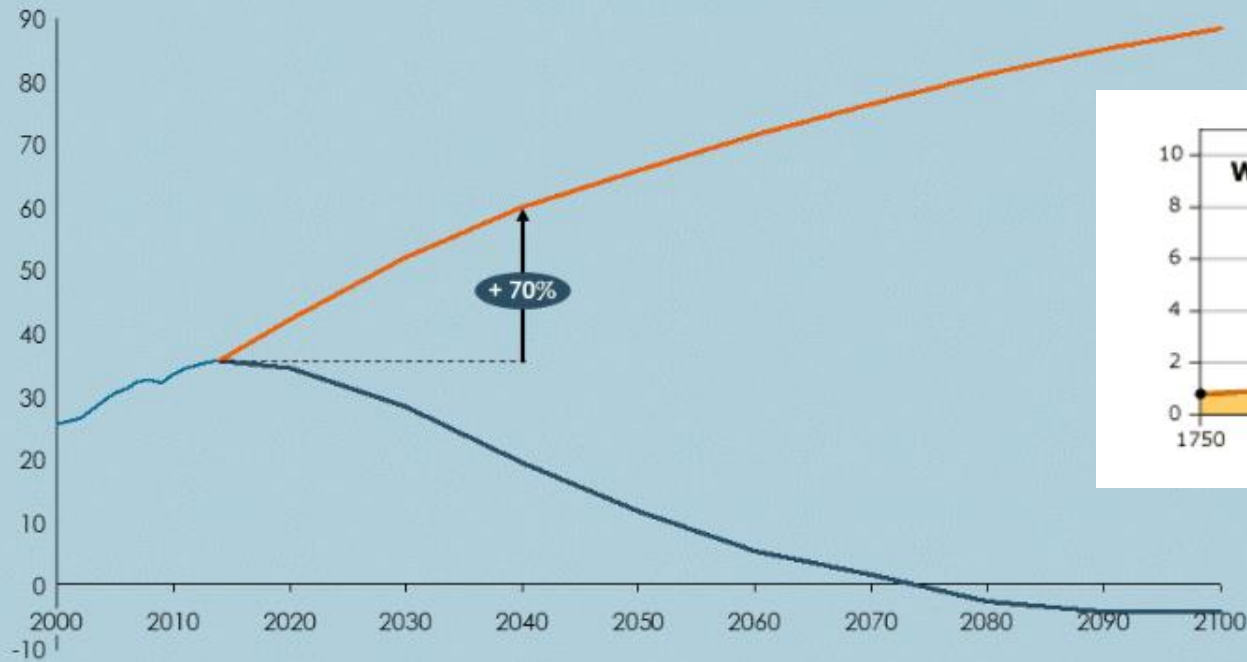
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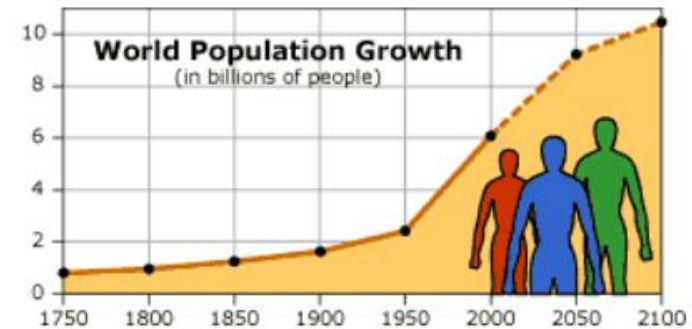
(using Hochstrat et al 2006 data; WRE Conference 2017)

Without an energy transition, CO₂ emissions could eventually rise to 2-3 times current levels

Carbon dioxide emissions — Archetype scenario consistent with Paris agreement objectives
Billion tonnes per year — Median of IPCC baseline scenarios



Source: Copenhagen Economics (2017) The future of fossil fuels



NEREUS - New Energy and REsources from Urban Sanitation

Programme priority: 4. Resource efficient economy

Programme priority specific objective: Increase the adoption of new circular economy solutions in the 2Seas area

PROJECT DURATION: 1/10/2017 – 31/12/2020

TOTAL PROJECT BUDGET: 7. 057. 944€ (48,10% ERDF cofinancing)

OVERALL OBJECTIVE

Is to increase **the reuse of resources, water and energy from waste water** by boosting the adoption of technologies that recover resources, water and energy from wastewater **in urban areas**

➤ Demonstration framework and institutional framework





New Energy and REsources from Urban Sanitation (NEREUS)

- 1 joint feasibility study based on local feasibility studies providing detailed and site specific information with respect to the installation of resource recovering technologies
- 9 decentralized waste water plants to recover energy, resources and water in 5 different locations
- Test/monitoring reports (resources, water, energy) to measure and optimise the performance of the installed resource recovering technologies
- A strategy to provide decision makers involved in the selection process of WWT information about opportunities to implement resource recovering technology
- A decision support tool (DST) providing policy recommendation and specific information on suitable technologies
- A strategy to create acceptance of the community

www.NEREUS-project.eu



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