DUPC2 Webinar Series

Drivers, Opportunities, and Constraints of Reuse the Treated Wastewater in Irrigated Agriculture

Hadeel Hosney, IHE Delft Institute for Water Education 8th June 2023

Source: GIZ-ZC project





Charting the global water situation



Source: SDG report

Intensity of Unsustainable Water Withdrawals



Source: SDG report

Global Population Size



Intensification of Agriculture Activities



PROJECTED IMPACTS OF CLIMATE CHANGE Climate change is affecting our environment, our societies and our cultures



CHANGES

Digital Revolution

Google has finally revealed how much water its data centres use



WATER NEVER SLEEPS

Source: https://www.techradar.com/



Source: World Bank

Reuse in Irrigated Agriculture



Opportunities of Reuse the treated wastewater



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Constraints of Reuse the treated wastewater





Reuse projects, or schemes can <u>only work if socially accepted</u>, <u>technically</u> <u>reliable and profitable for farmers</u>. This requires strong links between central administrations and local stakeholders to analyze local practices, develop appropriate infrastructure and negotiate adaptive management arrangements.

Thank You

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