



Creating and implementing a Circular Scheme for Sanitation

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The progress of Sanitation: From hygiene to circular economy

1. Health and hygiene : how to protect human beings from **diseases** carried by dirty water ?
2. Environmental protection: how to protect aquatic **environments** against massive discharges of wastewater ?
3. Circular economy : how to **recover resources** from wastewater of urban areas ?



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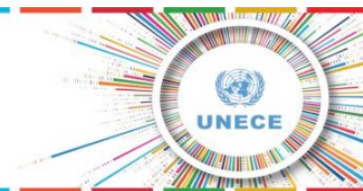
Sanitation and wastewater as local resource of:

- Water
- Energy
- Fertilizers

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Levers and obstacles



- Growing Public awareness
- Evolution of Governance, regulations and legal frameworks
- Technological Development
- Better control and operation of sanitation systems



- Cultural reluctance
- Regulatory rigidity
- Economic viability of the projects
- Emerging sanitary concerns



How to go further ? The Virtuous Triangle

- POLITICAL COMMITMENT
- EUROPEAN AND NATIONAL FRAMEWORK



- **TRANSPARENCY AND COOPERATION**
BETWEEN STAKEHOLDERS
- **CONFIDENCE AND TRUST** IN WELL
MANAGED SANITATION SYSTEMS



- INCREASE AND DISSEMINATION
OF **KNOWLEDGE**
- **TECHNOLOGICAL PROGRESS**



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Thank you



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