

# THE IMPORTANCE OF A CROSS-SECTORAL STRATEGY COVERING SOCIAL, HEALTH, SAFETY, LEGAL, FINANCIAL, PLANNING, AND ENGINEERING ASPECTS: CURRENT STATUS AND FURTHER STEPS IN EUROPE

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# WATER FRAMEWORK DIRECTIVE (WFD)

- **Water Framework Directive (WFD):** a EU law that aims to achieve good status in all surface water and groundwater bodies by 2027
  - Essential steps to success:
    - Comprehensive data collection
    - Action plans and project management
    - Holistic approach

# WATER FACILITIES

- In Rhineland-Palatinate, facilities involving water may only be planned by engineers with special qualifications
  - This includes facilities managing:
    - Water supply
    - Wastewater
    - Flood protection and flood prevention
    - Construction of flood resistant building utility systems
    - Expansion and renaturation of water bodies, including rehabilitation
    - Rainwater management
    - Groundwater
    - Contaminated sites
    - Water pollutants
    - Geothermal energy

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## Challenges of implementation at national level

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Low involvement of local interest groups

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Limited financial resources

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Inadequate consideration of upcoming challenges

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How to define appropriate monitoring methods for a  
“good water condition”



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## Benefits of centralised wastewater treatment

# KARI – THE REVISED MUNICIPAL WASTEWATER TREATMENT

- Extended scope - For smaller communities with 1000 residents or more
- How to reduce pollution in wastewater treatment?
- Monitoring microplastics and „forever chemicals“ such as PFAS
- Polluter Pays Principle
- Health monitoring
- Adaptation to heavy rainfall events

# WHAT TO EXPECT?

The future of wastewater management

THANK YOU!



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