

Drinking Water in Europe – Challenges, Opportunities, & Innovation

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There are two water futures for Europe ...

& the choices we make now wi determine the path we follow



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Challenges:

- Safe reliable drinking water
- **Protection of water sources**
- **Balancing supply and demand**
- Net zero carbon
- **Environmental enhancement**
- **Financial stability**
- **Democratised water**
- **Enabling Innovation**
- **Ensuring resilience**
- **Maintaining the assets**



Maintaining the assets

- Nature based solutions
- Remote sensing
- Leakage
- AI
- Robots
- Distributed infrastructure



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Ensuring resilience

- **Nature based solutions**
- **Catchment approaches**
- Environmental/social/fiscal
- Climate proofing
- **Distributed assets**
- **Emerging pollutants**



Enabling Innovation

- **Testbeds**
- **Procurement**
- **Collaboration**
- Regulation
- **Culture**
- **Support**



Democratised water

- **Engagement**
- Collaboration Democratised water
- **Open data**
- **Transparency**
- Workforce





Financial stability

- **Public v private**
- Capex v Opex
- Long term



Environmental Enhancement

- **Nature based solutions**
- **Demand reduction**
- **River restoration**
- **Catchment management**



Net Zero

- Measurement
- Scope
- Renewables
- **Demand reduction**
- Nature based solutions





Balancing supply and demand

- Water efficiency
- **Public engagement**
- **New sources of water**
- Water reuse





Protection of water sources

- **Physically**
- Legally
- Socially





Safe reliable drinking water

- Supply demand balance
- **Pollution**
- **Emerging contaminants**



The future of European Water

- *Innovative*
- World leading
- Publicly engaged
- Nature enhancing