DEMO ROTTERDAM

Overview of DEMO aim

The aim is to design, develop and demonstrate the impact of applying a small-scale green infrastructure strategy Micro Urban Wetlands (MUW). The strategy aims the give insights into the feasibility of adding decentralised solutions to the existing infrastructure to collect, store, infiltrate and recover urban surface runoff as nature-based solution to prevent damage due to pluvial flooding and drought in the city of Rotterdam.

Nature based solutions

- Bioretention
- Biofiltration
- Aquifer Storage and Recovery

Key stakeholders

Municipality of Rotterdam

Water board Delfland

Water utility company

Inhabitants

End-users

Main outcomes sought

- Potential for viability of applying MUW as sustainable water management measure.
- Potential locations to implement MUW across the city of Rotterdam.
- Operationalising the Insurance value of MUW systems.
- Innovative business models and payment schemes for urban green infrastructure.

Insurance value of ecosystems

Impact assessment and analysis of the technical requirements, commercial viability and governance issues of applying small-scale green infrastructure systems, specifically Micro Urban Wetlands, for sustainable urban water management. Field Factors participates in WP6 being responsible for the DEMO in Rotterdam, and provides input for WP7 through the development of innovative business models to deploy ecosystem services in urban areas.

Partner participating

Field Factors

Key objectives & role in NAIAD:

Impact assessment and analysis of the technical requirements, commercial viability and governance issues of applying small-scale green infrastructure systems, specifically Micro Urban Wetlands, for urban water management.

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Contact details

Field Factors

Van der Burghweg 1
2628 CS Delft
The Netherlands

T: +31 15 2024 020
E: look@fieldfactors.com
W:http://fieldfactors.com