Project overview

Responding to the following challenges:

• Increasing volumes of storm water
• Consequent capacity constraints and pollution events, damaging water quality
• Competition for space in existing urban areas
SUDS – sustainable urban drainage

• SUDS have been promoted as a solution for many years

• There are many examples in ‘green-field’ developments, where there is lots of space
Solution

• In existing urban areas there are more challenges: space, ownership, existing uses…..

• Use public realm to service adjacent sites: retrofitted SUDS

• Strategic perspective at multiple levels
  • SUDS serve more than one site to maximise benefit
  • Area-wide strategies plan rollout of retrofit priorities and ensure opportunities are not missed as redevelopment takes place

• Test and demonstrate tailored approaches, and off the shelf solutions

• Develop tools and build capacity
Likely barriers

• Institutional cultures and attitudes
• Fragmented & weak development policy
• Legal: ownership; liabilities
• Administrative: who manages and maintains
• Financial: who pays; innovative funding solutions needed
Deliverables

• Guide: how to retrofit
  ◦ Including added benefits
• Training materials
• Network for exchange of information and knowledge
• Demonstration investments
Partners

City of Mechelen  VIVES University College
City of Bruges  De Vlaamse Waterweg nv
Boulogne-sur-Mer Development Agency  Boulogne Water Board
Municipality of Middelburg  Green Blue Urban Ltd
University College South  South West Water Ltd (SWW)
Wimereux Town Council  Condette Town Council

Observers

Environment Agency  Le Portel Town Council