

# Water Resilient Cities

Cross border seminar

# Project overview

Responding to the combined challenges:

- Increasing volumes of storm water
- insufficient capacity of combined drainage, resulting in flooding 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 (providing buffering and conveyance of storm water to keep it out of sewers): “retrofitted SUDS”
- Strategic perspective at multiple levels
  - SUDS serve more than one site to maximise benefit
  - Area-wide strategies to rollout of priority SUDS schemes, 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

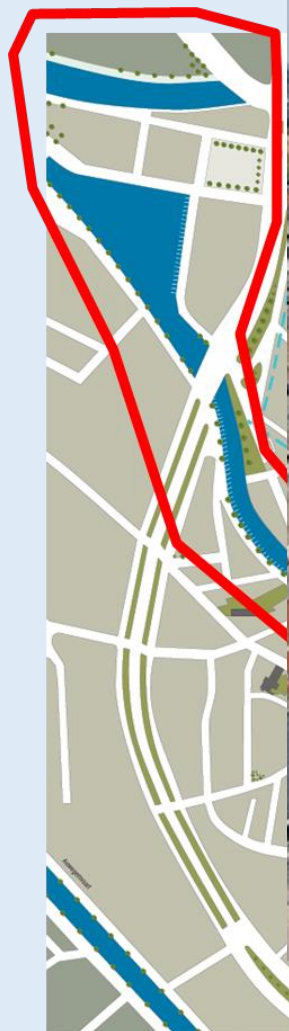
- Institutional cultures and attitudes
- Policy: fragmented policy amongst organisations with overlapping responsibilities; weak development management policy
- Legal: ownership; liabilities
- Administrative: who manages and maintains
- Financial: who pays; innovative funding solutions needed
- Knowledge: understanding of problems and of solutions

# Deliverables

- Guide: how to retrofit
  - Including added benefits
- Network for exchange of information and knowledge; training and information materials
- Procurement guide (accessing knowledge, stimulating innovation.....)
- Demonstration investments

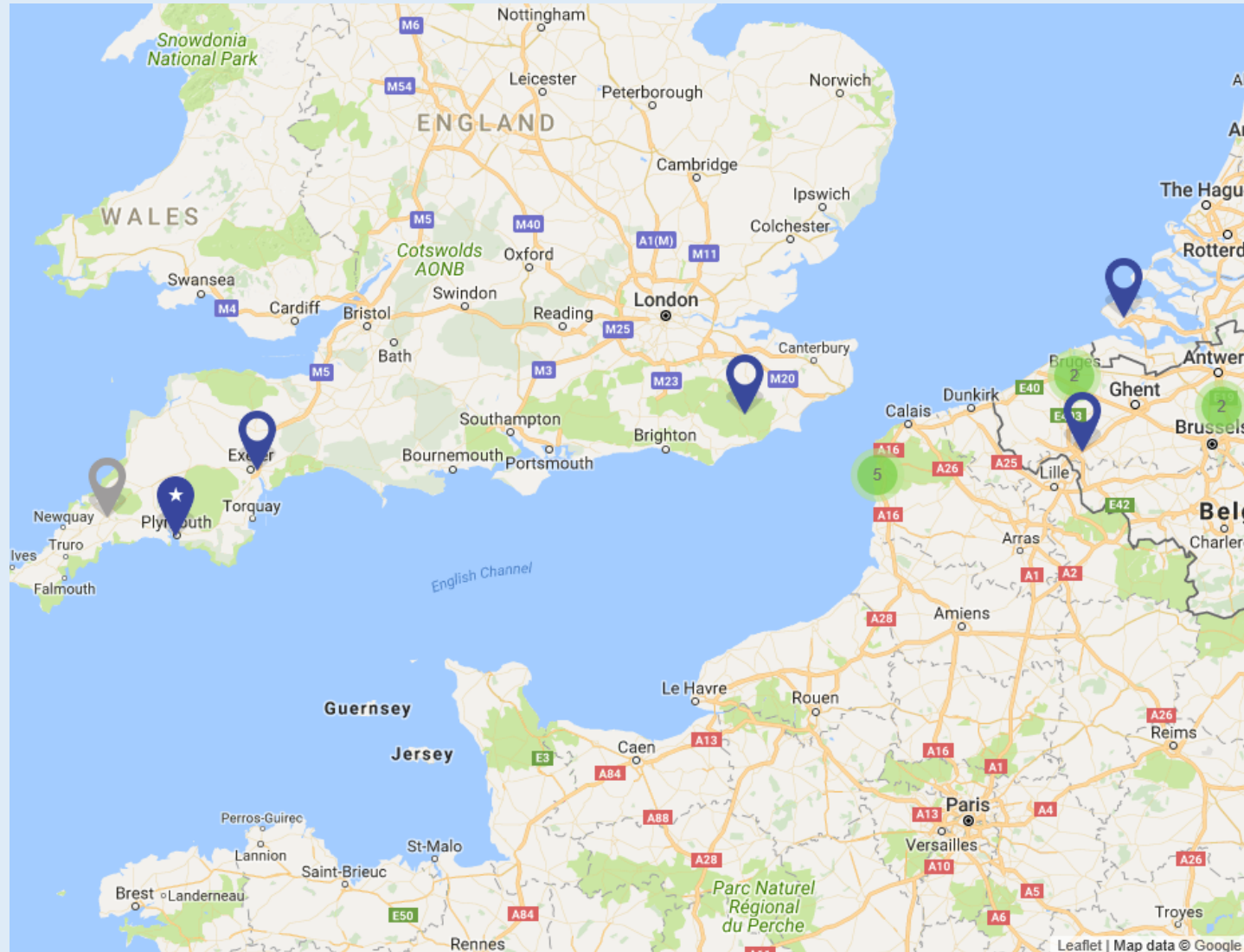


# Demonstration investments





# Partners



1	UK	Plymouth City Council
2	BE	City of Mechelen
3	BE	VIVES University College
4	BE	Stad Bruges
5	BE	Waterwegen en Zeekanaal NV
6	FR	Boulogne-sur-Mer Development Agency
7	FR	Boulogne Water Board
8	NL	Municipality of Middelburg
9	UK	Green Blue Urban Ltd
10	BE	University College South
11	UK	South West Water Ltd (SWW)
12	FR	Outreau Town Council
13	FR	Condette Town Council