

SuDS Research

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- Why do we need research on SuDS?
- Our framework driving SuDS research for surface water flood management
- Recent projects
- Future research needs

Why is SuDS research important?



3.2 million

Our role

Strategic Overview

- ➔ Set direction
- ➔ Support local delivery
- ➔ Help develop skills
- ➔ Provide evidence and advice

Joint Research Programme



Research Framework

A set of practitioner needs and project ideas to steer and deliver collaborative research

Increase resilience to flood and coastal erosion risk

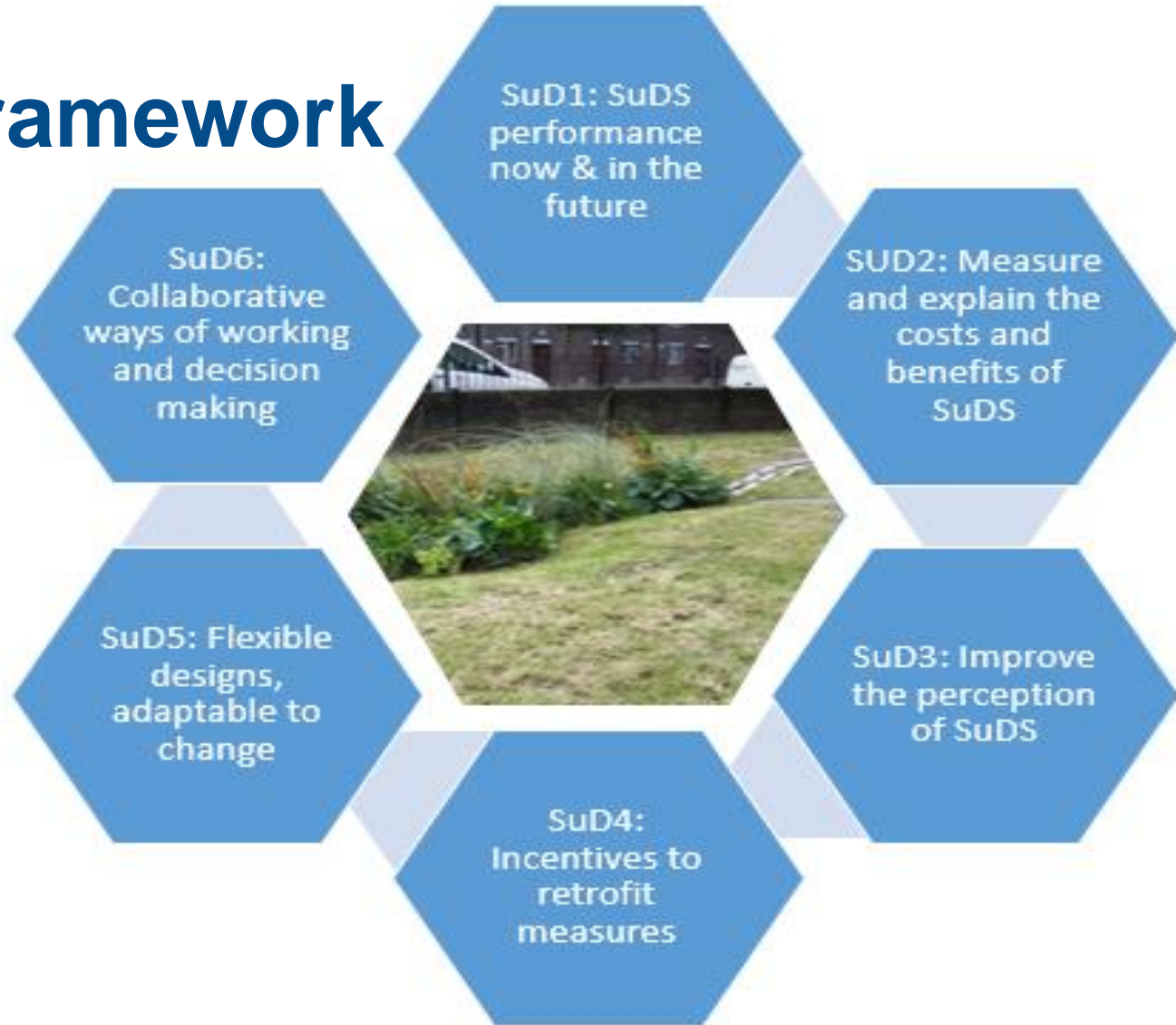
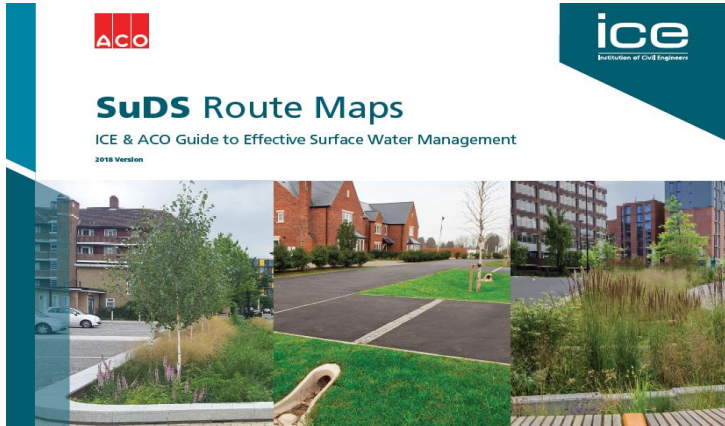


Photo courtesy of SUSDRAIN

Published research and guidance

Retrofitting to manage surface water (C713)



The SuDS Manual



Valuing the benefits of blue green infrastructure

Why use BeST?

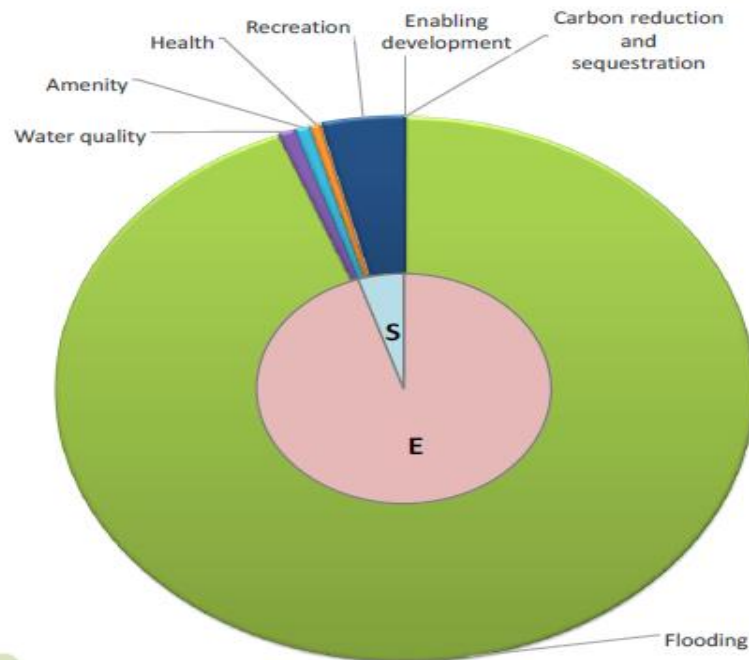
- BeST provides an estimate of 22 benefits of SuDS that can be readily compared to costs
- BeST helps to engage stakeholders who may be interested in SuDS
- BeST supports you when looking for other funders
- BeST is robust, simple to use and makes best use of available information

When to use BeST?



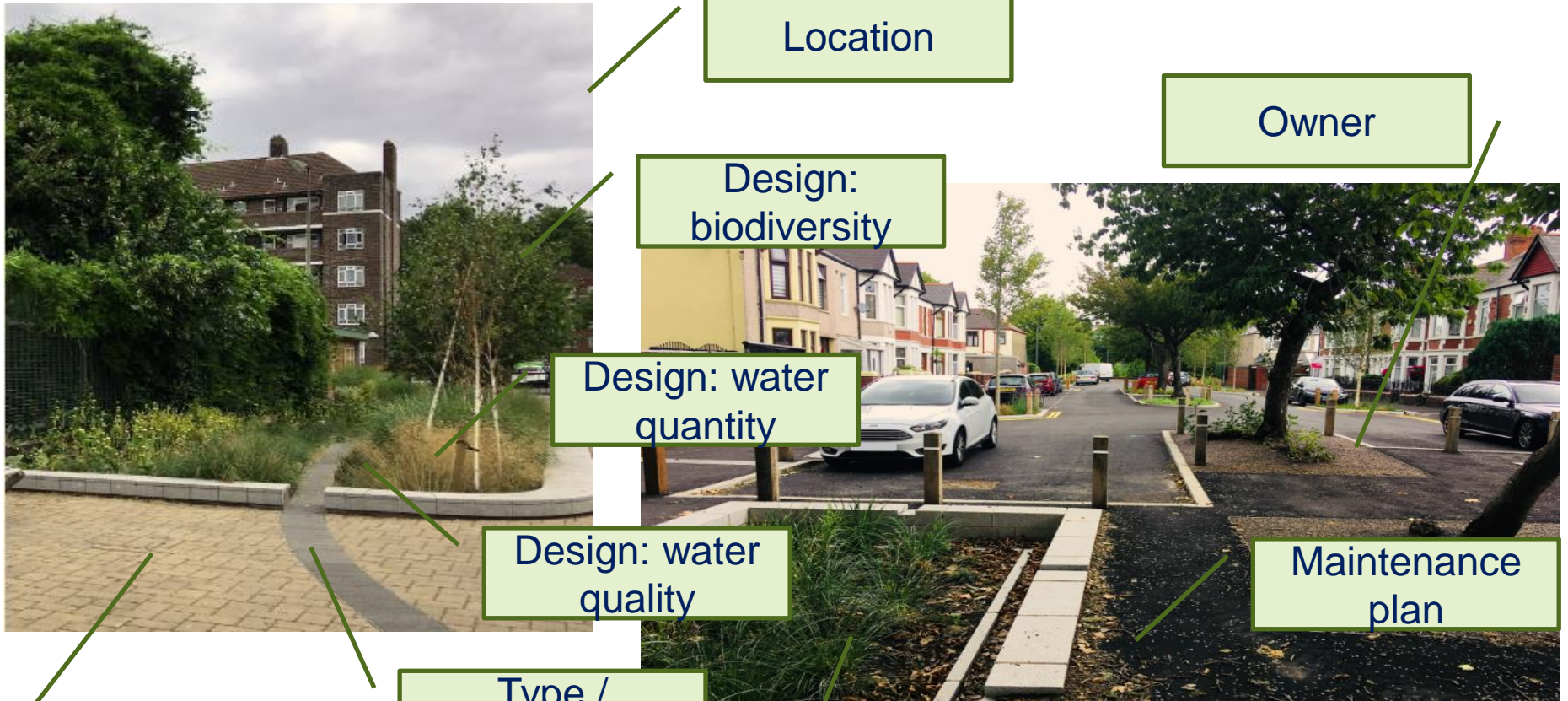
For further information, please contact best@susdrain.org

www.ciria.org | www.susdrain.org



Distribution of SuDS benefits:
B&S assessment to support
Glasgow City Centre Surface
Water Management Plan
(source: susdrain.org)

SuDS Asset Register and Mapping



Location

Owner

Design:
biodiversity

Design: water
quantity

Design: water
quality

Maintenance
plan

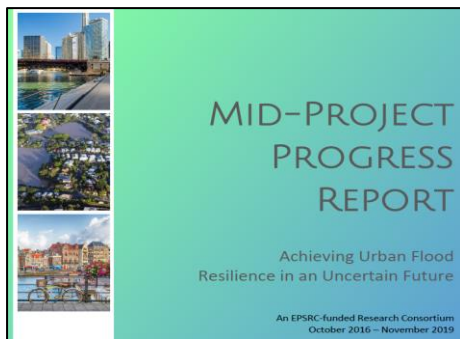
Design:
amenity

Type /
construction

Connectivity

Achieving urban resilience in an uncertain future

Research to support coordinated planning, design and operation of urban water systems for flood risk and water management



<http://www.urbanfloodresilience.ac.uk/>



Future focus



- ➔ Role of communities in maintaining SuDS
- ➔ Monitoring and measuring benefits
- ➔ Developing resilient places: role of SuDS in integrated water management for flood and drought resilience

Support others to deliver good SuDS to build resilient communities

- Enhance knowledge and understanding
- Provide tools and guidance
- Develop new ways of working

Research Framework and published research is online at:

www.evidence.environment-agency.gov.uk

Contact for ongoing / new projects:

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