

SuDS-iQ

A national SuDS collaboration and evaluation platform



SuDS-iQ

As the impacts of climate change place pressure on our infrastructure, water companies in the UK are being urged to increase water supply and wastewater network resilience through sustainable drainage systems (SuDS).

SuDS-iQ will deliver a national online collaborative SuDS platform that will support a collective understanding of what SuDS are, how SuDS work, and the benefits they provide.

SuDS-iQ will build on a tool created by HR Wallingford (funded by UKRI Innovate UK) as part of the European project StopUP <https://stopup.eu/>



What will SuDS-iQ deliver?

SuDS-iQ will be an easy-to-use accessible evaluation tool that will promote SuDS to prevent runoff from entering sewerage networks and to protect waterbodies from erosion, flood risk and pollution.

The tool will use present day and future rainfall time-series, as well as design storms, to quantify SuDS benefits.

The key features of **SuDS-iQ**:

- Shared **collaborative** platform for **partnership** projects
- Interactive **learning** environment
- **SuDS evaluation tools** for assessing schemes against **standards** and regulatory requirements
- Performance metrics focused on **resilience**, including demonstration of water-resource savings and pollution reduction
- Decision support for **option appraisal**
- **Asset** definition tool to capture, save and share SuDS asset data **consistently**
- SuDS scheme **costs** and **carbon** estimator
- SuDS **performance monitoring** data portal
- Innovative mechanism to improve representation of SuDS performance in **water company models**

Project programme

The project will be carried out in six phases from February 2025 to December 2026.

Phase 1 Platform co-definition

Setup project, evaluate stakeholder needs, workshops to define the web platform and tools.

Phase 2 New modules & decision support tool

Build new tools and decision-support environment within the platform.

Phase 3 Changes to core model

Update the existing core model to enable interaction with new modules and enhanced functionality.

Phase 4 Collaboration platform

Integrate the new collaboration platform, tools and user interface.

Phase 5 Expert user portal

Build tools in the expert user portal and integrate these within the platform.

Phase 6 Dissemination and training

Final stakeholder engagement and awareness raising, final beta testing by stakeholders, plan for funding of long-term site maintenance.

Get in touch

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About SuDS-iQ

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Partners

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Image courtesy CIRIA susdrain



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