



An Roinn Tithíochta,
Rialtais Áitiúil agus Oidhreachta
Department of Housing,
Local Government and Heritage

Urban Planning and Nature Based Surface Water Management: From Theory to Practice

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Policy and Incorporation of Green & Blue (G&B) Infrastructure

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Planning Context for Effectively and Innovatively dealing with Surface Water Management



- Supporting sustainable development
- Adapting to Climate change
- Supporting an improved environment
- Embedding placemaking in our urban areas
- Promoting a plan led approach



...In the context of...



- Accommodating 1 million additional **people** (+20% over 2016)
- +660,000 additional **jobs**,
- Minimum +550,000 additional **households**
- A changing **environment**
 - More intense and frequent rainfall events

Development Plans and Surface Water



- Development Plans have policies in relation to Sustainable surface water management ,for example:

Fingal CDP 2017-23 .

Objective SW04

Require the use of sustainable drainage systems (SuDS) to minimise and limit the extent of hard surfacing and paving and require the use of sustainable drainage techniques where appropriate, for new development or for extensions to existing developments, in order to reduce the potential impact of existing and predicted flooding risks.

and

Clare CDP 2017-23

Objective 18.8C - *To ensure the implementation of Sustainable Urban Drainage Systems (SuDS) and in particular, to ensure that all storm water generated in a new development is disposed of on-site or is attenuated and treated prior to discharge to an approved storm water system;*

- There is a clear grounding for the activity in the statutory development plans however....

Compact urban Growth- opportunity for SuDs?



- A key focus for County Development Plans
- Supported by URDF
- Requirement to focus on placemaking- including use of surface water
- Supports response to climate change adaptation/ improved environmental quality
- Opportunity for integration into urban spaces and amenities
- Allow for innovative solutions that integrate surface water management

Challenges/ opportunities-surface water management



- Holistic response required- both within LA and state agencies
- Need for plan led response- supports green infrastructure
- Apply to all urban centres- support placemaking
- Allow for innovative solutions that integrate surface water management