

Integrating Green Infrastructure



Integrating Green Infrastructure (IGI) aligns statutory water management requirements with Green Network provision through an approach that uses land for two or more functions.

Within both new and regenerated developments multi-functional greenspace can bring about a range of benefits, for example:

- a linear wetland alongside a road or path can provide connectivity for habitat in addition to a drainage function that aids water quality management and flood routing
- a sustainable urban drainage system (SUDS) pond integrated into a designed greenspace and path network can provide opportunities for community activity and social interaction, in addition to a robust flood management function

The 5 main considerations to successfully achieving Integrated Green Infrastructure are;

- water management
- habitat networks
- access networks
- green and open space, and
- stewardship over time





Our work to date

The GCV Green Network Partnership has worked with Scottish Government, SEPA, Scottish Water, SNH, Architecture and Design Scotland, the Metropolitan Glasgow Strategic Drainage Partnership and several local authorities to complete Design Studies based on the "IGI Approach" for 6 urban areas across the city region.

The Studies have been very well received and have been cited in Scottish Government guidance and used to support a successful bid by Renfrewshire Council for a SSCI Design Charrette for South West Johnstone.

Our Design Studies show that the "IGI Approach" can be successfully applied across a range of urban contexts, including residential, retail, commercial and industrial developments.

The benefits from the approach include:

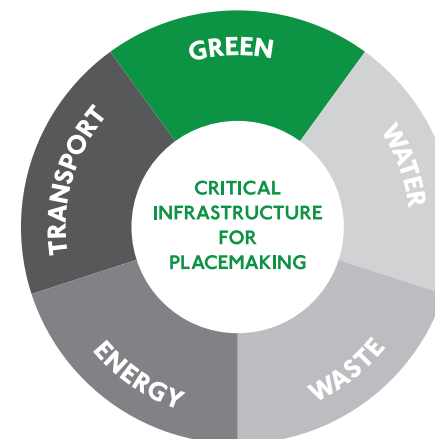
- cost effective surface water management
 - flood management and routing
 - pollution control
- resilience to the impacts of climate change
- better placemaking – improving quality of urban living
- integrated access and habitat networks

Our plans for the future

The Partnership will work with our partners to:

- promote the use of the "IGI Approach" for the masterplanning and the design process of regeneration and 'greenfield' developments
- facilitate the delivery of our IGI Design Studies on the ground

Ultimately, a successful conclusion to our IGI work would be to see the "IGI Approach" applied routinely to the designing of all urban developments.



Green infrastructure is critical to successful placemaking