



# Managing Water within our Built Environment: National Green Infrastructure Facility Visit

Wednesday 2<sup>nd</sup> October 2019

**National Green Infrastructure Facility, Newcastle University, Newcastle Helix, NE4 5TG**

A number of record-breaking hydrological and meteorological extremes have been observed in recent years, such as the UK's official highest temperature in July 2019 which was confirmed by the Met Office. All of these extremes put pressure on our built environments. As cities and towns continue to transform rapidly, sustainable and integrated water management is required more than ever before. Green infrastructure and sustainable drainage systems (SuDS) relieve pressures on 'grey' infrastructure, and enhances natural drainage patterns across our urban spaces. This, in turn, can reduce flood risk and offer various multiple benefits.

The National Green Infrastructure Facility (NGIF) is a living laboratory located within the emerging Newcastle Helix site which has harnessed exemplar sustainable urban development across a 24-acre site. NGIF is a national facility for collaborative research activities with the primary aim of demonstrating the value of green infrastructure and SuDS. NGIF allows researchers and partners to develop and test new designs and technologies under a range of scales, and can closely monitor how they perform over time using advanced sensing networks. NGIF is also linked with the national network of Urban Observatories as part of [UKCRIC](#) (UK Collaboratorium for Research on Infrastructure and Cities).

This forthcoming BHS national meeting provides delegates with the opportunity to visit NGIF's indoor and outdoor laboratory, hear about individual projects from across the region, take part in various demonstration activities, and network with relevant stakeholders.

This meeting will bring together those involved in the research and implementation of green infrastructure and nature-based methods in our built environment. Registration will open in August and is limited to 30 places.

**Who should attend?** Anyone with an interest in integrated flood management, green infrastructure, sustainable drainage, soil-plant-atmosphere interactions, urban nature-based solutions, stakeholder involvement, and digital sensing networks. Talks, tours and demonstrations will be applicable to a wide audience.

**Meeting organisers:**

**Michael Cranston**, Honorary Secretary, British Hydrological Society ([michael.cranston@rabconsultants.co.uk](mailto:michael.cranston@rabconsultants.co.uk))

**Dr Eleanor Starkey** and **Dr Claire Walsh**, National Green Infrastructure Facility

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