Strategic Policy Committee
27th. November 2019
Climate Change
Adaptation to changed weather patterns

Climate Change – Here and Now

- Analysis of 3,738 flood measurement stations across Europe taken between 1960 and 2010 (published in "Nature" 28/8/19)
- In Northwestern Europe floods are increasing because "flood generating rainfall" (annual maximum seven-day rainfall totals) is increasing
- "what was the 100-year flood discharge in 1960 has now typically become a 50- to 80-year flood discharge" (Dr. Conor Murphy NUIM)
- Summer of 2019 increasing rainfall intensities warmer air can hold more moisture and also lead to more "storminess"

The Solution? – Adaptation & Resilience

- Urban areas were traditionally "sealed surfaces" leading to quick water runoff and disposal.
- New weather patterns demand new solutions based on Nature
- Urban runoff is also a significant pollutant
- Seeking to restore as much of the sealed surfaces to soft nature based areas that can soak up surface water
- Reduces volume of runoff, delays entry into piped network, and improved quality of runoff water

Implementation of Green Solutions in the Public Realm

- Cross Departmental Approach
- E&T responsible for the Public Realm Maintenance Issues
- Identification of sites in line with existing Public Realm Capital Programme
- Individual Design solutions
- Proposed use of nature based solutions as part of Suffolk Street upgrade
- Test Sites in suburban areas to improve river quality























