















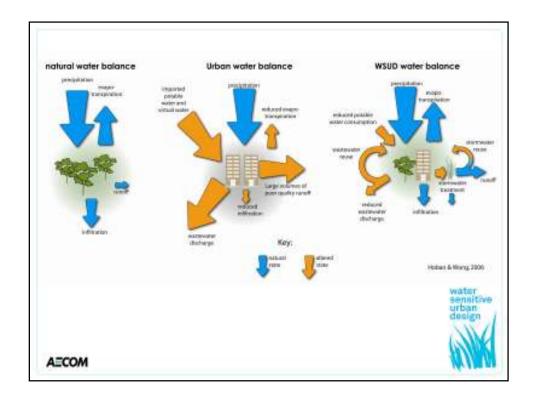


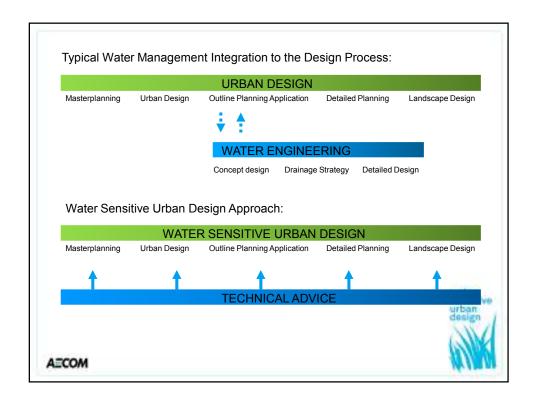
# Water Sensitive Urban Design [waa-ter sen-si-tiv ur-buh'n dih-zahyn] Verb

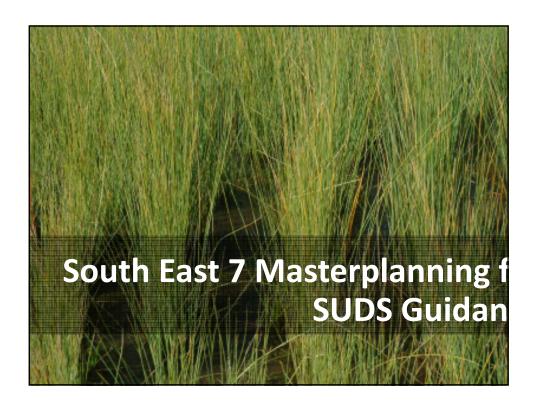
**Water Sensitive Urban Design** (WSUD) is the process of integrating water cycle management with the built environment through planning and urban design.

**Sustainable Drainage Systems** (SuDS) are the component elements that build up to deliver a WSUD approach:

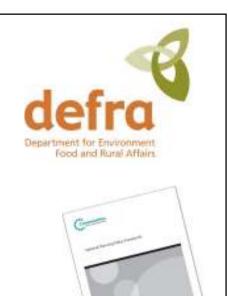
- At Best they form a train to convey, cleanse and store surface water for local reuse through multifunctional green infrastructure
- At worst they should reduce peak flow to alleviate pressure on the surface water sewer system

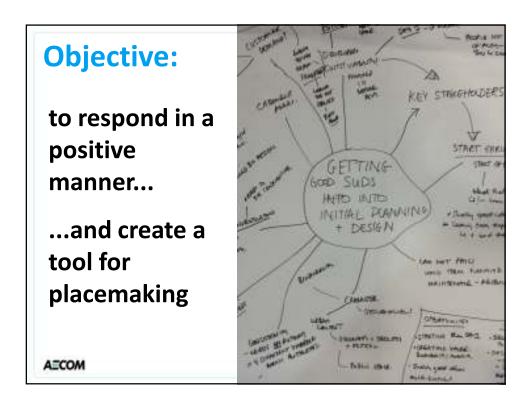


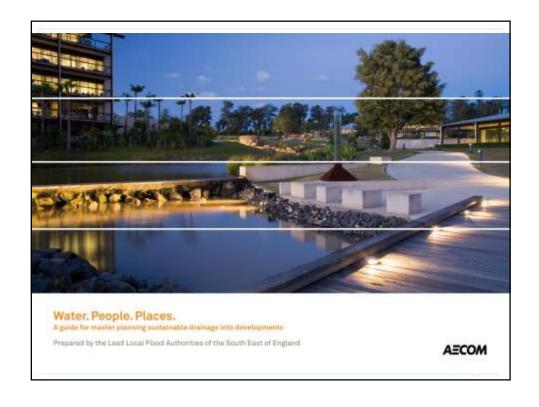




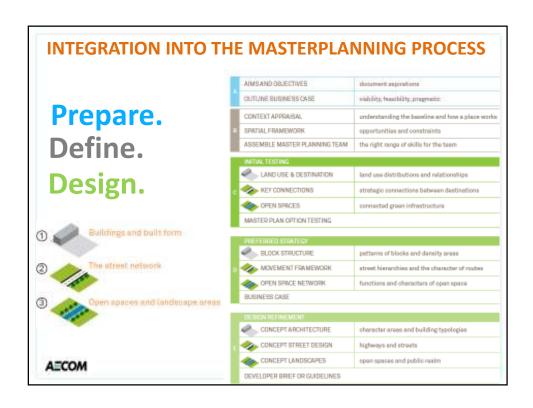
- NPPF "priority to the use of SuDS"
- Flood and Water
  Management Act 2010
  and SAB's
- National SuDS Standards?











## A

#### Prepare.

- 1. Aims and objectives
- Set out water management objectives
  - Run-off rates
  - Water quality issues
  - Water supply and demand
- 2. Developing the business case
- Identify synergies and challenges
  - Wider catchment flood risk
  - · Open space requirements
  - Ecological networks
  - Contamination containment



### B

#### Define.

- 1. Context appraisal
- SuDS baseline
- 2. Spatial framework
- Identify flow paths / low points
- Identify discharge points
- SuDS opportunities and constraints diagram
- 3. Assemble the right team

