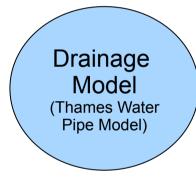
City Wide Systems Model

<u>Key</u>



System Model Component



Area of Influence/Impact (interface with other systems models And outputs to "Whole Life Cost" Model)

Whole Life Cost Model (Capital, Operational, Carbon, Social)

Whole Systems model output module

Water Energy Drainage Model (Thames Water Health Pipe Model) Carbon Footprint Amenity Energy Water Surface Water Flooding Model Health Carbon Footprin Amenity

Example Physical Components for modelling

SUDS Trees **Green Space** Rainwater Harvesting **Green Roofs Swales** Soakaways **Ponds Eco System Services** Water Efficiency **Dispersed Storage** Green Infrastructure **Real Time Control River Restoration** Separation of Foul Water **Dispersed Treatment Tideway Tunnels** Utilisation of existing redundant tunnels "Do Nothing"

