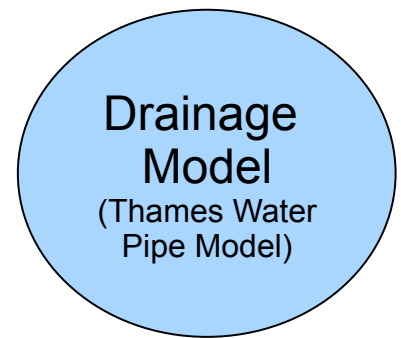
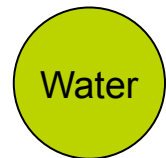


# City Wide Systems Model

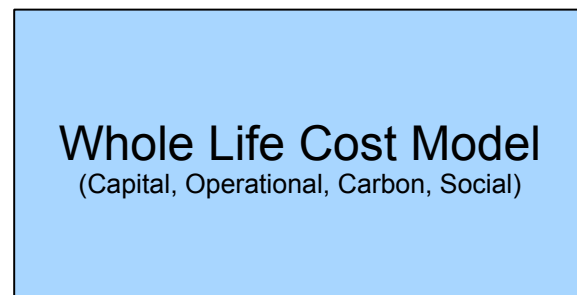
## Key



System Model Component



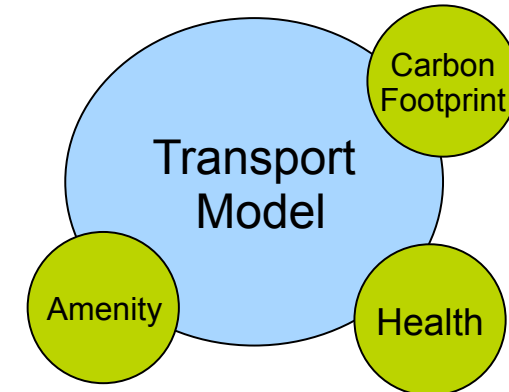
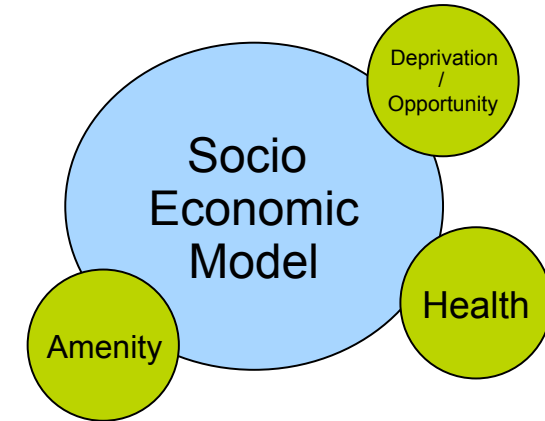
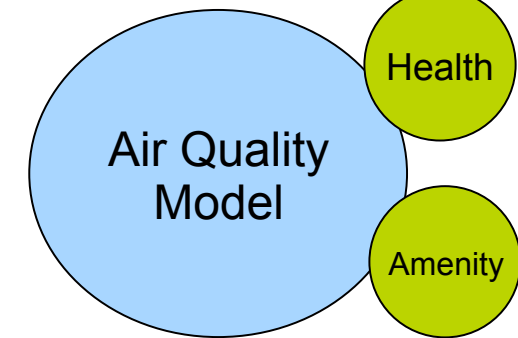
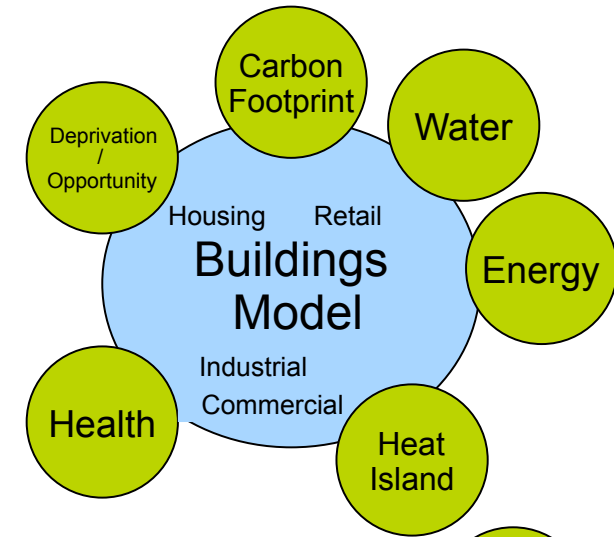
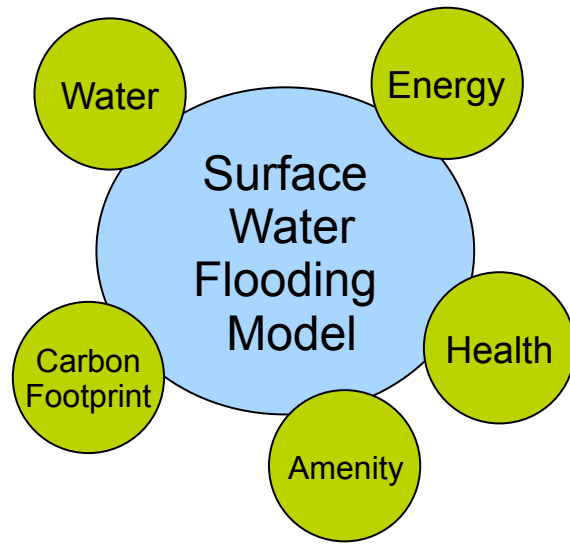
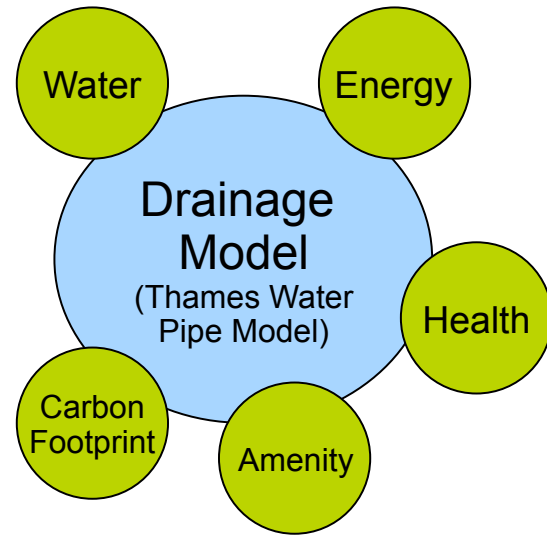
Area of Influence/Impact  
(interface with other systems models  
And outputs to “Whole Life Cost” Model)



Whole Systems model output module

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”



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