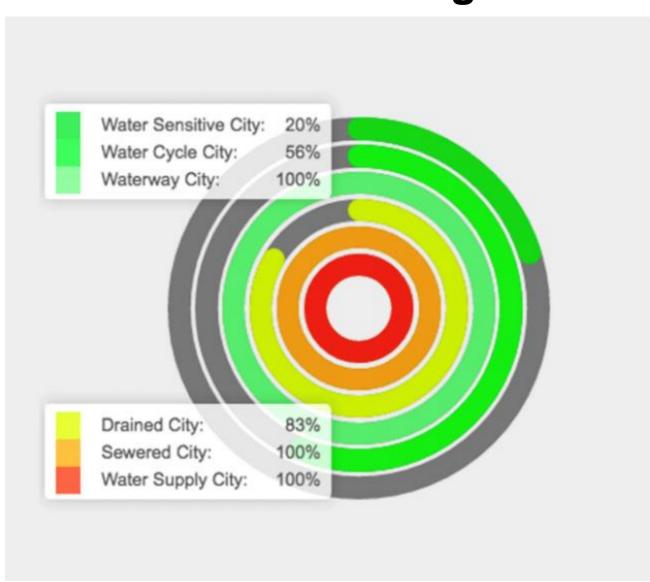
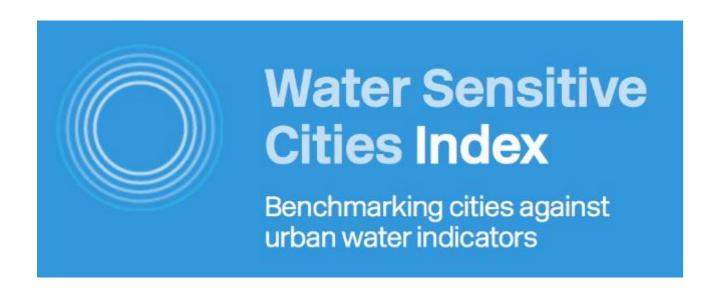




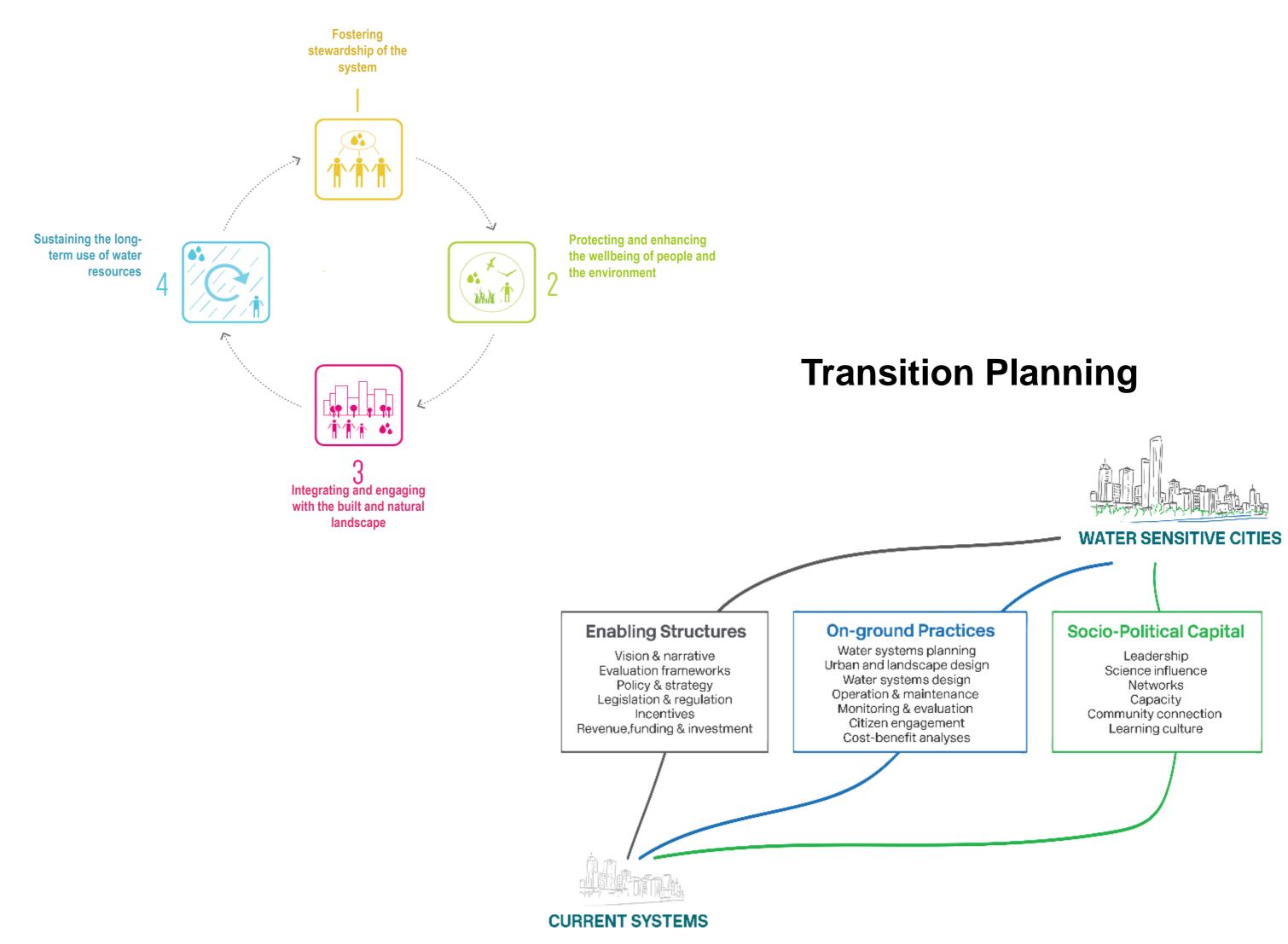
### Water Sensitive Cities Transition Platform

#### Benchmarking

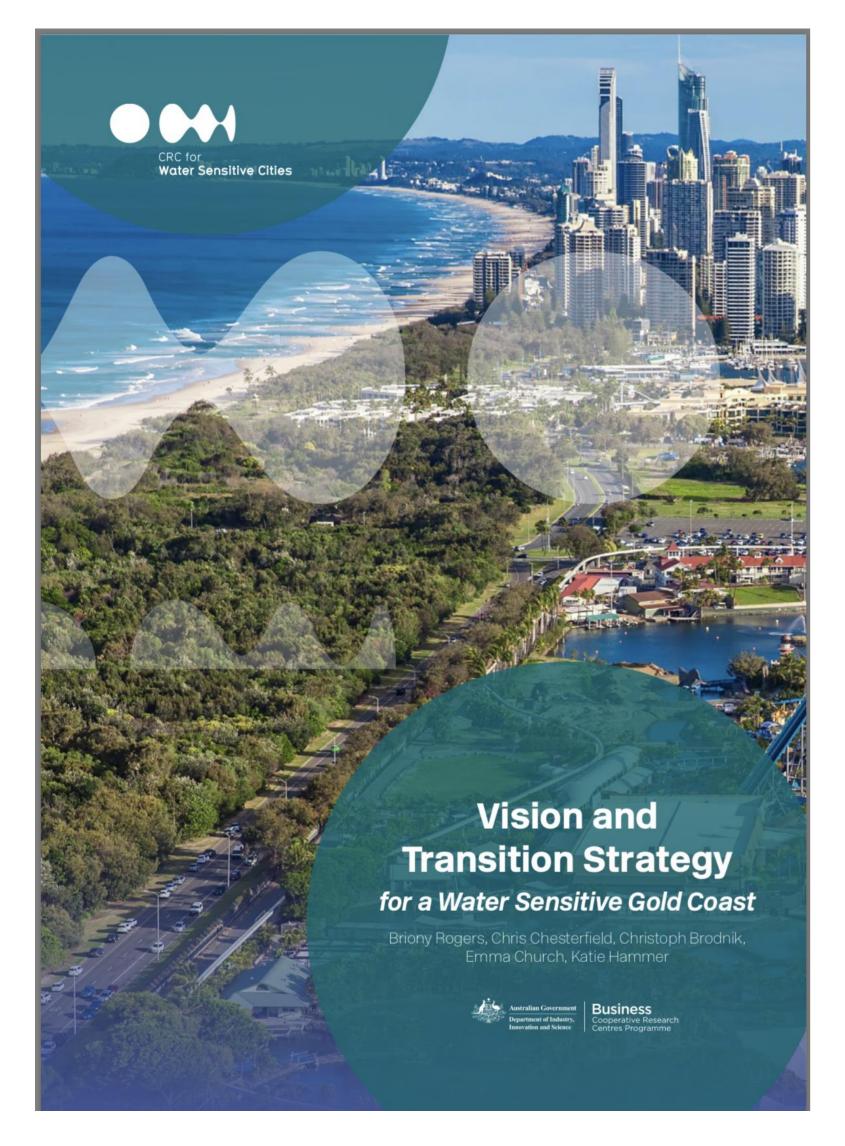


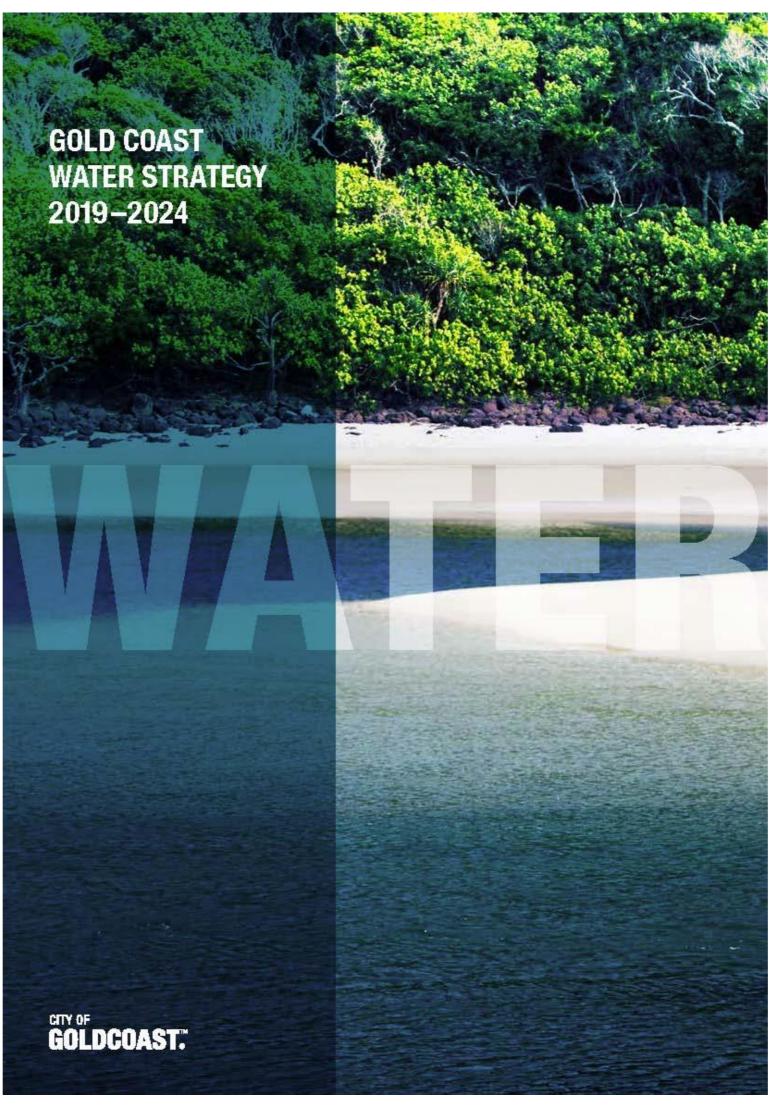


#### Visioning





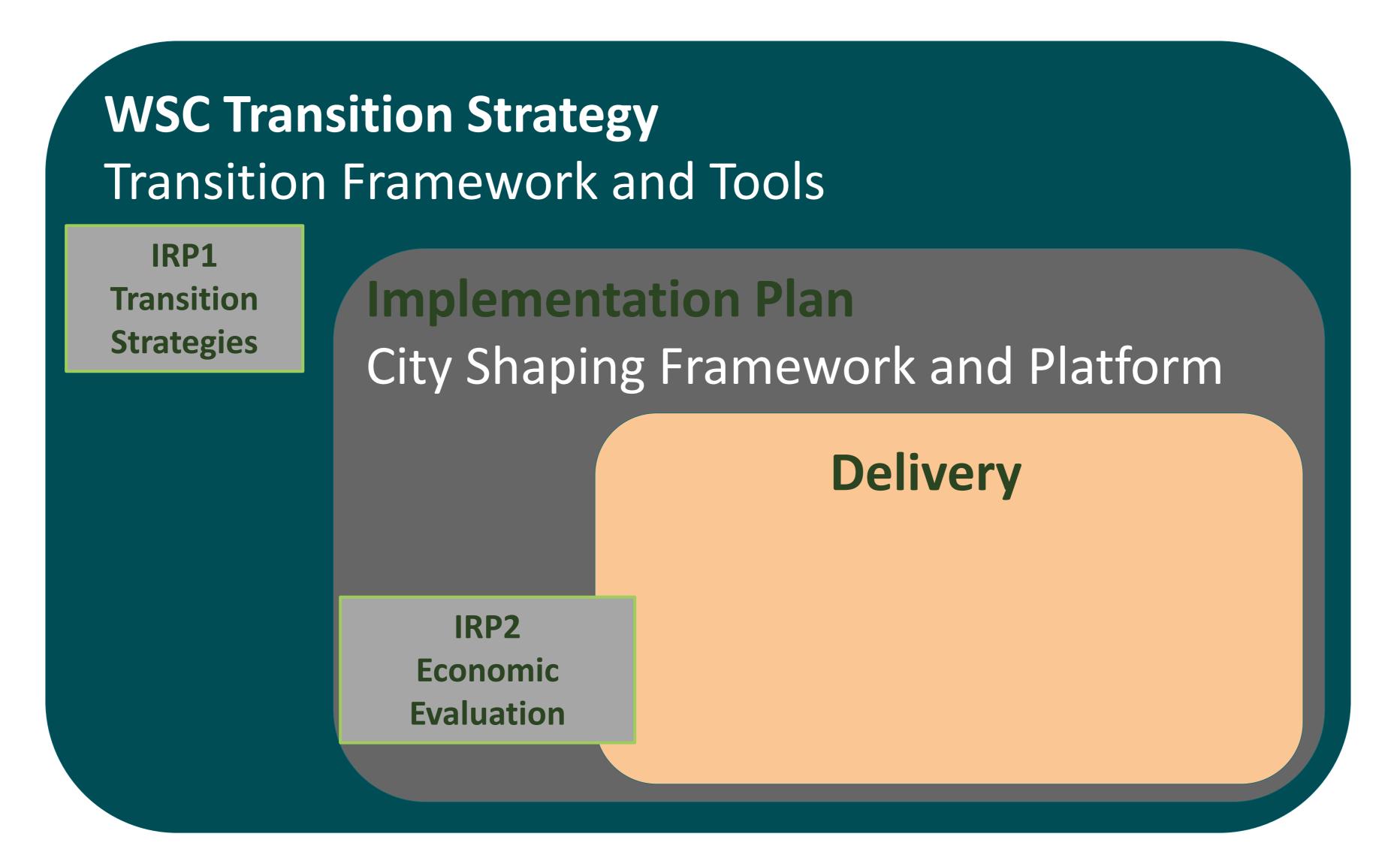




# A city sustained and inspired by water









## Background

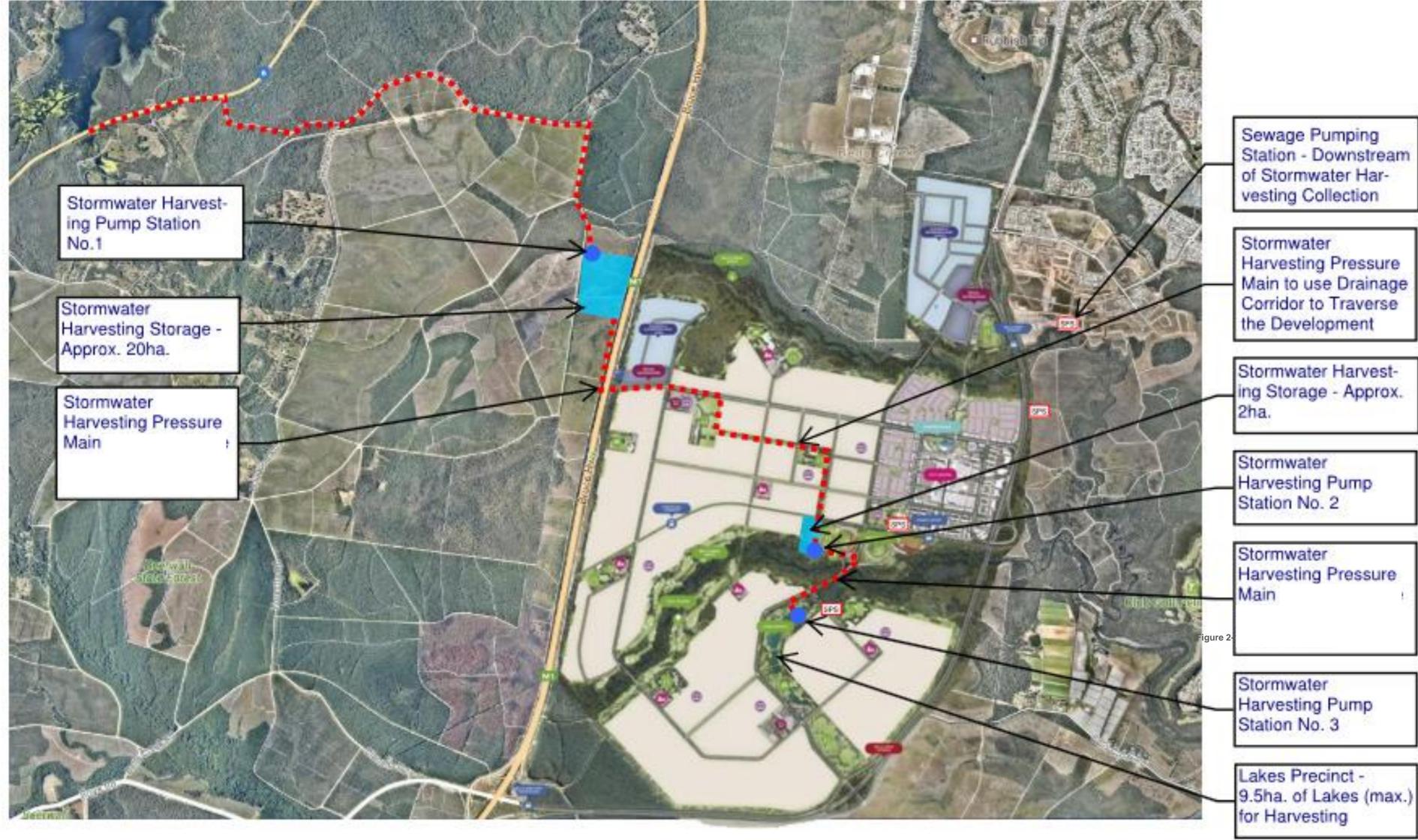
- □ Need to prioritise investments in water-sensitive cities
- □ Present convincing business cases to decision makers
- □ Led to development of INFFEWS

(Investment Framework For Economics of Water-Sensitive Cities)





## Scheme Overview





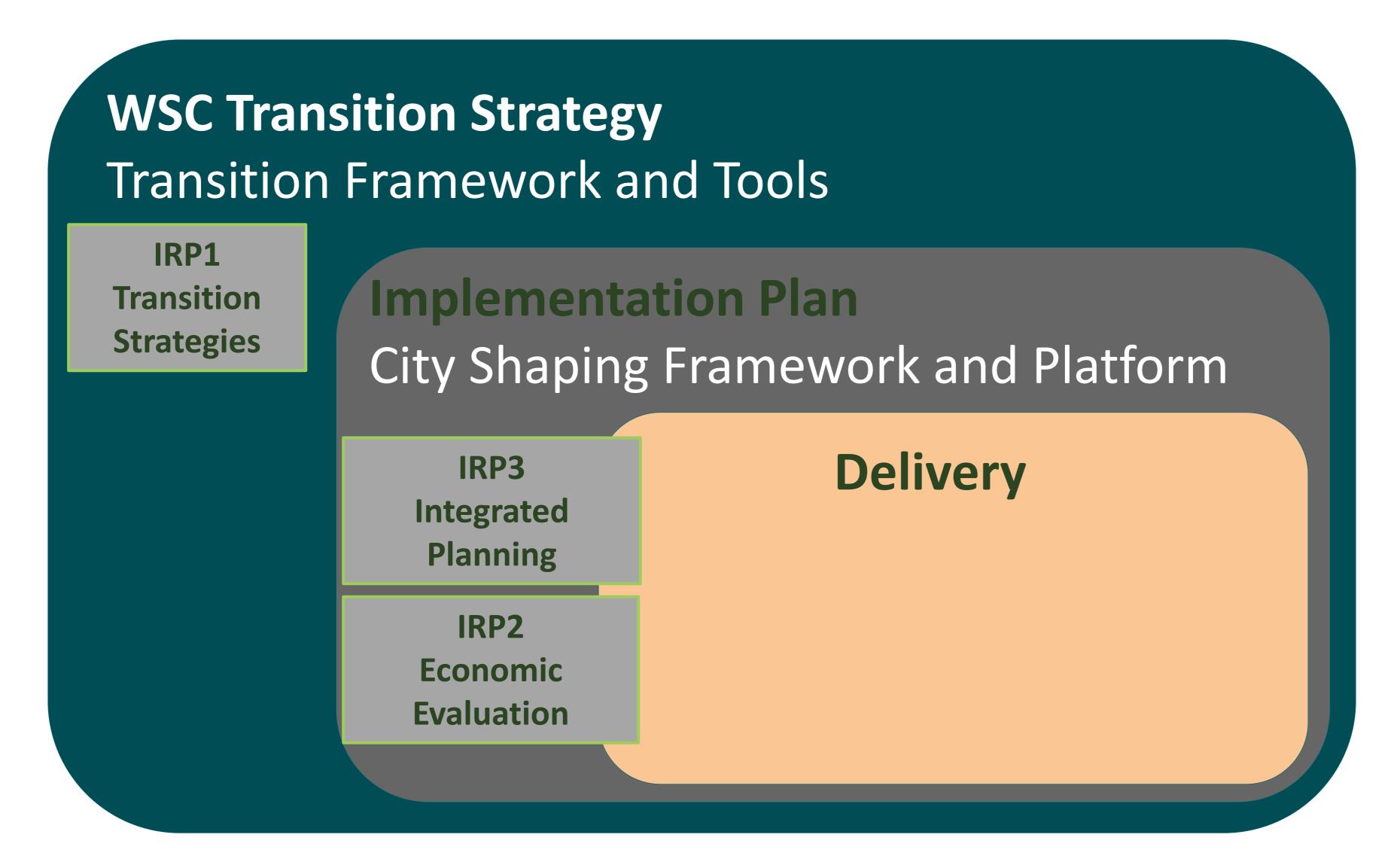
# Economic Model – Preliminary Results

Case	Base	Optimistic?	Pessimistic?
Overall Project BCR	6.4	9.4	3.2
Overall Project NPV	\$11.2M	\$34.7M	\$9.1M
Proponent BCR	2.2	7.3	1.1
Proponent NPV	\$2.4M	\$25.9M	\$0.3M

#### Other not allowed for

- Asset deferral savings to Utility due to the augmented supply
- Property value uplift







## INTEGRATED WATER AND LAND USE PLANNING

#### TRENDS

Population growth
Urban expansion and densification
Climate change

#### POLICY GOALS

Sustainability
Liveability and wellbeing
Resilience
Adaptation

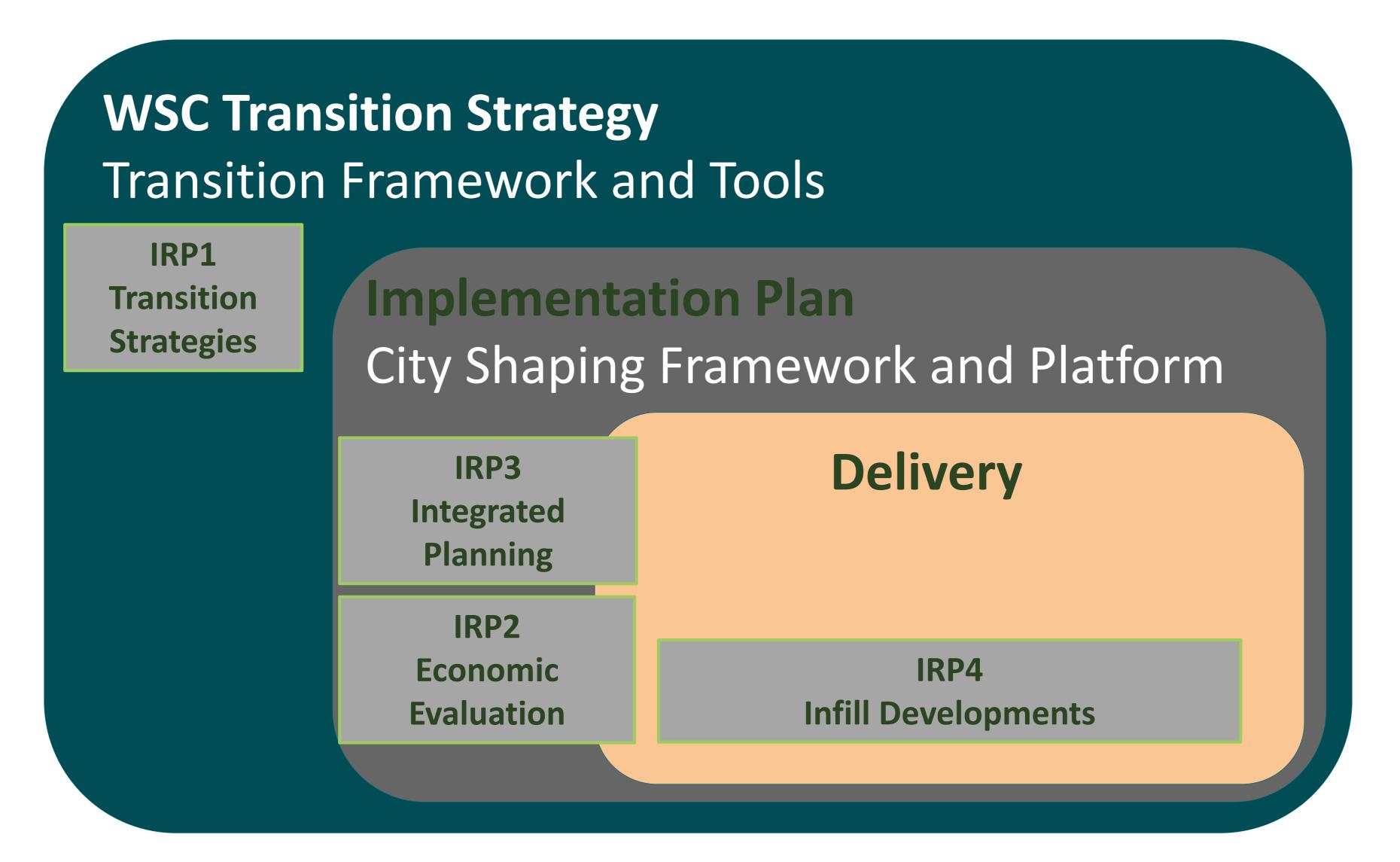
#### OUTCOMES

Loss of green space
Heat island effect
Poor water quality
Degraded waterways
Declining liveability





Lost opportunity to maximise resource efficiency, minimize costs, improve outcomes

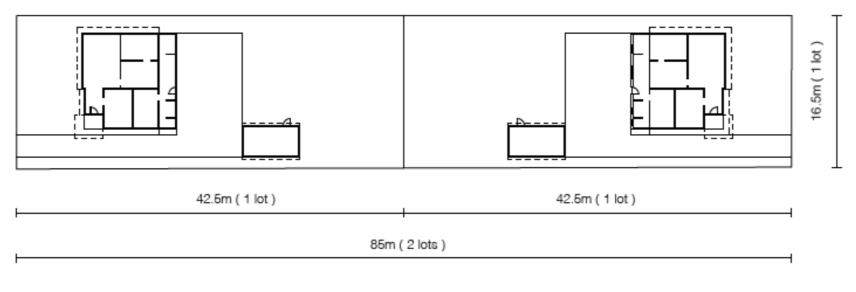


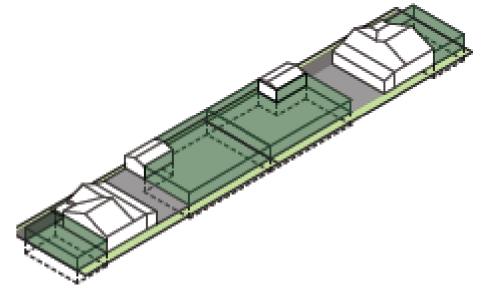


## LOT SCALE DESIGN TYPOLOGIES

#### **EXISTING**

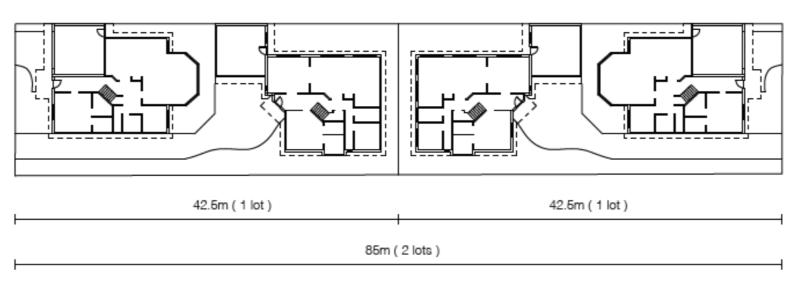


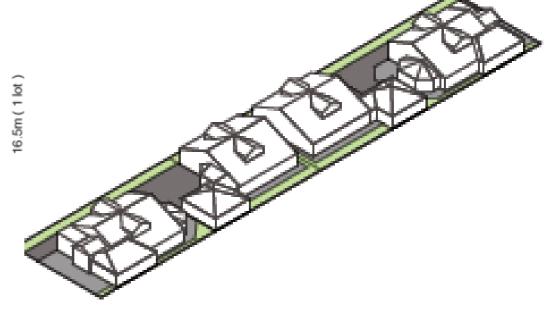




#### **BUSINESS AS USUAL**

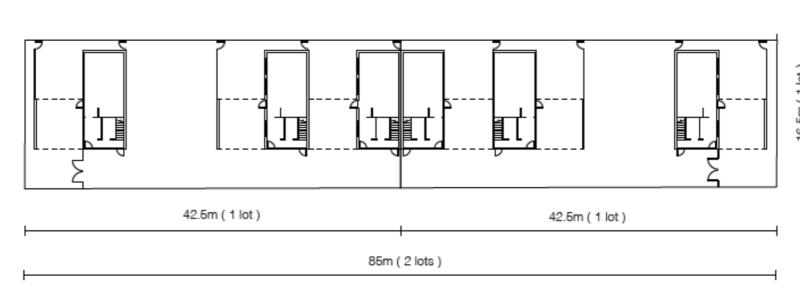


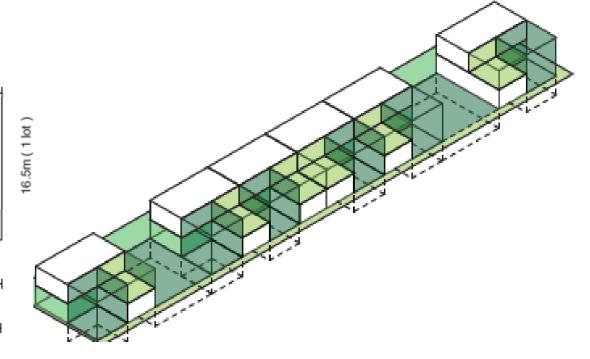




#### **WATER SENSITIVE**







## PRECINCT-SCALE INFILL CASE STUDIES



#### 1. Salisbury (SA), to explore:

- Water-related liveability cooling
- Waterway renewal for public amenity
- Green corridors for connectivity
- Groundwater recharge



#### 2. Knutsford (WA), to explore:

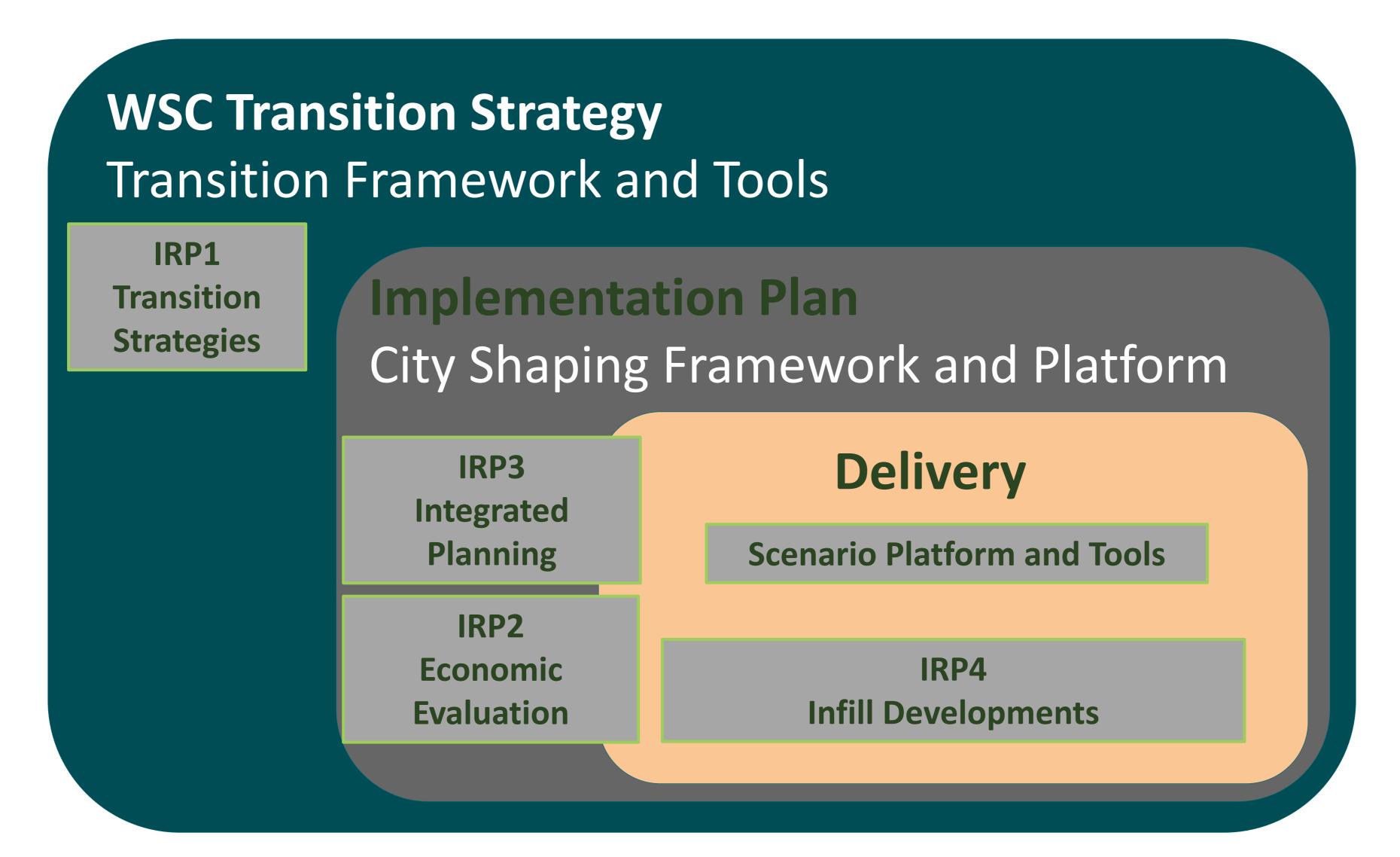
- Technologies for non-potable water
- Water-related energy
- Innovative governance for shared management of services



#### 3. Norman Creek (QLD), to explore:

- Overland flow / flooding
- Storage for both drought and flood resilience







## Contact us

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