City shaping platform
Solutions platform

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Towards facilitating platforms

Transitions Platform

Developing a common system understanding, shared vision, targets, priority strategies and actions for driving a city’s WSC transition

Different users will have different entry points

Exploring, evaluating and delivering urban development and water servicing options that will achieve on-ground outcomes to realise the WSC vision

Analysing specific sites, and evaluating and designing context-specific solutions that will support WSC outcomes
Aim

Explore, evaluate and deliver urban development and water servicing options that will achieve on-ground outcomes to realise the WSC vision

Analyse specific sites, and evaluate context-specific solutions that will support WSC outcomes

Scale

Sub-catchment

Precinct, Streetscape

Users can…

• Explore different development scenarios that embed water sensitivity in the urban form
• Analyse the performance of different water sensitive servicing options
• Evaluate the costs and benefits of alternative development scenarios and servicing options
• Explore adaptive policy options

End-user outputs

• Servicing strategy
• A business case for water sensitive development
• Urban forest strategy
• Heat vulnerability maps

• Performance evaluations
• Water mass balance
• Residential development typologies
• Benefit-cost
Translating vision into on-ground practice

Vision

Collaborative processes

Scenarios and Options

Evaluation

Delivery mechanisms

Water sensitive urban growth and renewal
Translating vision into on-ground practice

E.g. Community engagement, integrated urban and water planning

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Water sensitive urban growth and renewal
Translating vision into on-ground practice

- Vision
- Collaborative processes
- Scenarios and Options
- Evaluation
- Delivery mechanisms
- Water sensitive urban growth and renewal

E.g. Scenario Tool, Urban Water Mass Balance tool, Dwelling design typologies
Translating vision into on-ground practice

- Vision
- Collaborative processes
- Scenarios and Options
- Evaluation
- Delivery mechanisms
- E.g. Non-market and Benefit Transfer tool, Benefit: Cost Analysis tool
- Water sensitive urban growth and renewal
Translating vision into on-ground practice

- **Vision**
- **Collaborative processes**
- **Scenarios and Options**
- **Evaluation**
- **Delivery mechanisms**

E.g. Suite of planning, policy, regulatory, market and governance mechanisms

Water sensitive urban growth and renewal
# Components of the City shaping and Solutions platforms

## Tools
- Scenario Tool
- Non-market and Benefit Transfer Tool
- Benefit: Cost Analysis Tool
- Urban Water Mass Balance Tool
- Visualisation Tool
- Design typologies

## Data
- Land use and land cover
- Demographics
- Rainfall forecasting
- Evapotranspiration
- Infrastructure networks

## Collaborative processes
- Integrated urban and water planning
- Research Synthesis
- Action planning
- Comprehensive economic evaluation

## Knowledge
- Non-market values, Willingness to pay values
- Urban growth scenarios
- Governance structures and strategies
- Risk assessments
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