



CRC for
Water Sensitive Cities

Transitioning into a Water Sensitive City

Speaker Series

31 March 2017



Australian Government
Department of Industry and Science

Business
Cooperative Research
Centres Programme

With SME partners:



NO REGRETS

Welcome

- What is the CRC?
- Water Sensitive Cities in Perth
- Nature of transitions
- Using an Index
- Other transition tools

Why we exist

A scenic view of the Chicago skyline across Lake Michigan. Two black swans are swimming in the foreground water. The sky is clear and blue.

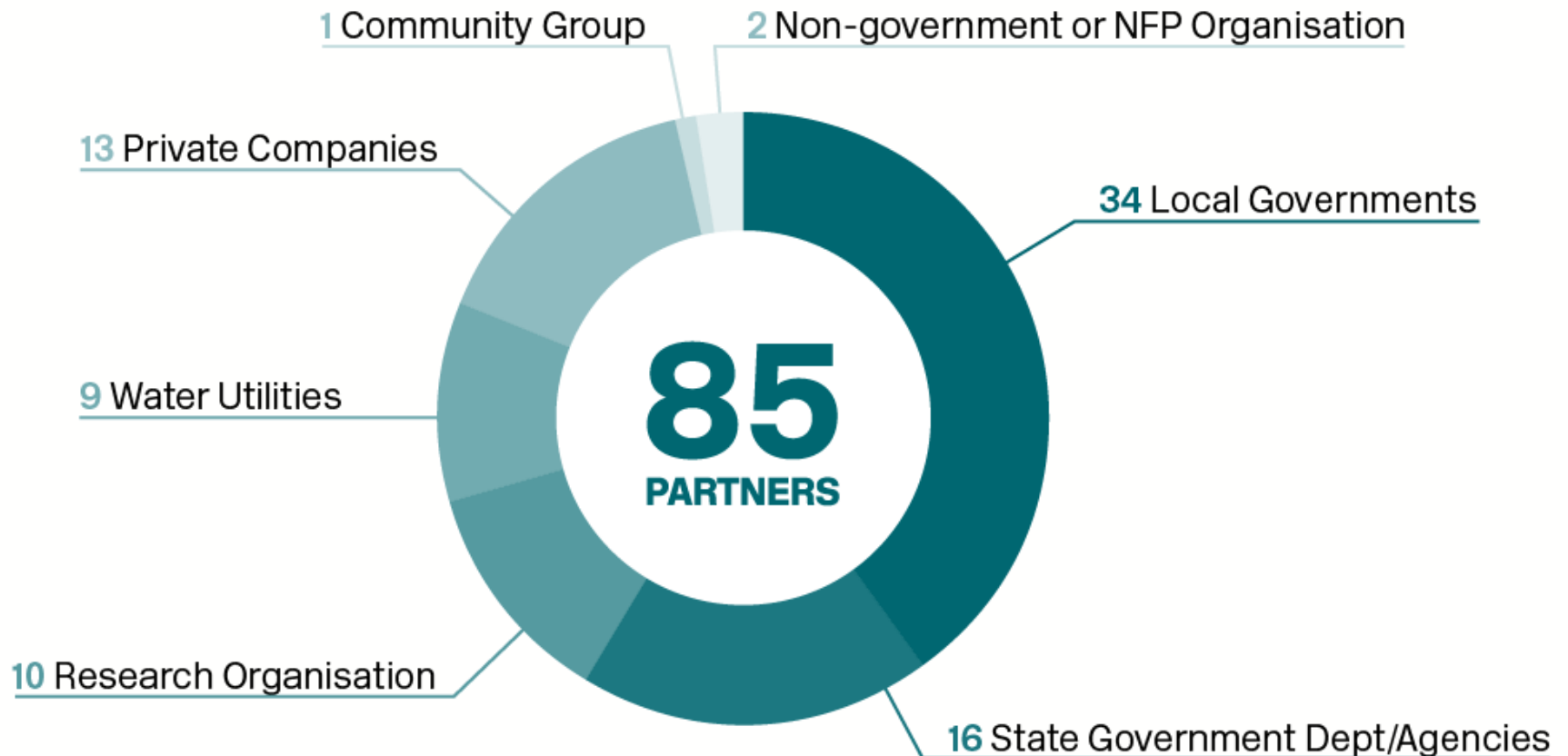
Our Vision

Cities and towns of the future will be sustainable, productive, resilient and liveable

The **CRC exists** to help change the way we build our cities by valuing the contribution water makes to economic growth and development, our quality of life and to the ecosystems of which cities are a part.

Participant Collaboration

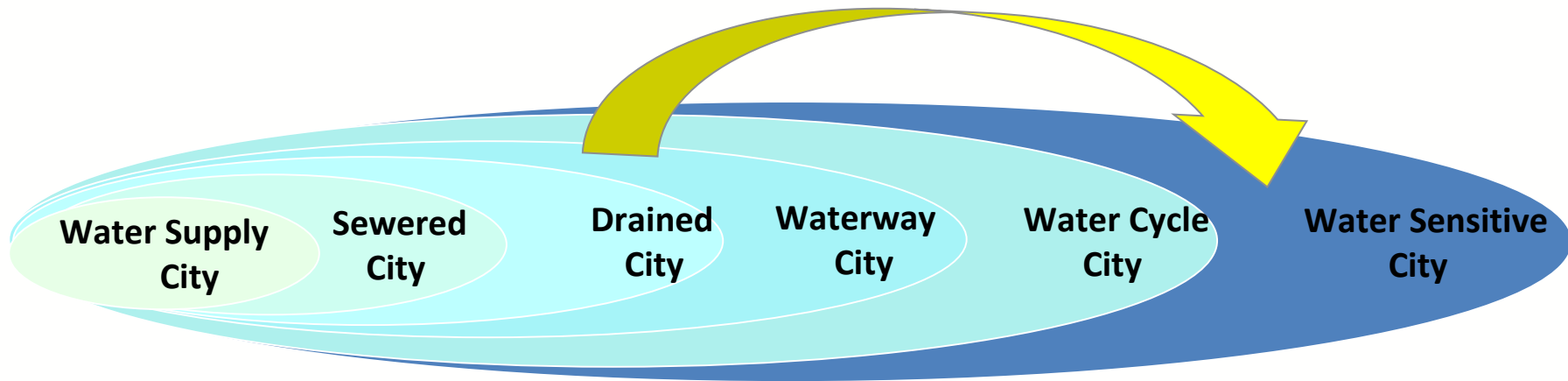
By sector



WA Regional Advisory Panel

- Department of Water
- Department of Housing
- Department of Planning
- Water Corporation
- Metropolitan Redevelopment Authority
- LandCorp
- Swan River Trust
- City of Armadale
- City of Subiaco
- City of Nedlands
- Department of Regional Development
- Essential Environmental
- Eastern Metropolitan Regional Council
- University of Western Australia

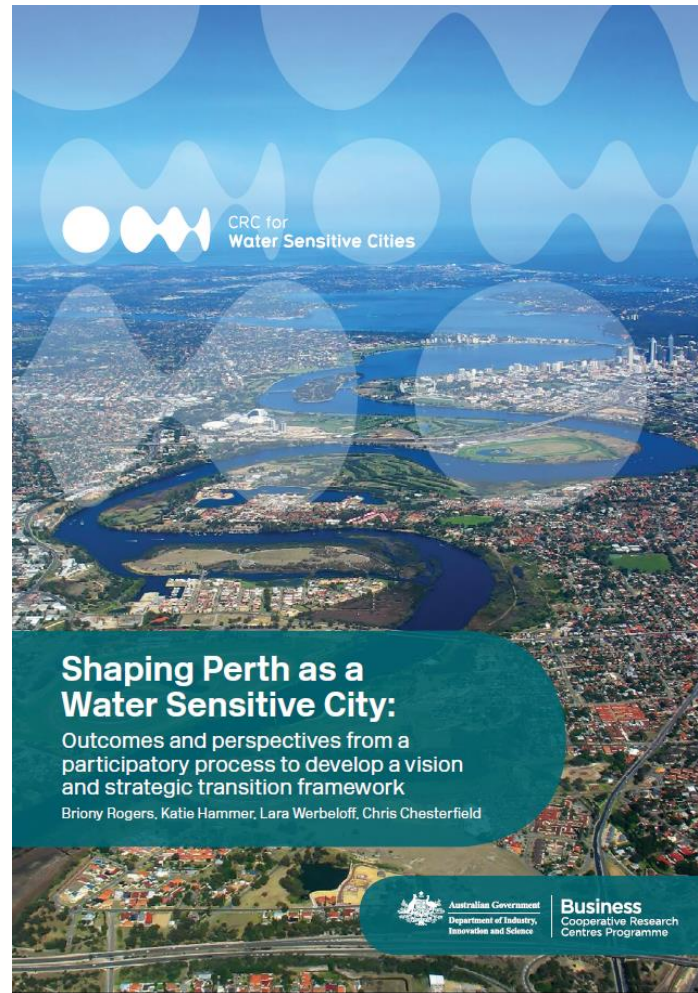
CRC WSC Strategic Purpose



The CRC for Water Sensitive Cities will:

- **Develop** the knowledge
- **Synthesise** the knowledge and develop the tools to meet industry needs
- **Influence** key players who shape and manage our cities

Water Sensitive Greater Perth





Turning theory into reality...

Towards water sensitive cities

Bringing stakeholders together to develop strategic alignment for deliberately steering WSC transitions

Water Sensitive City

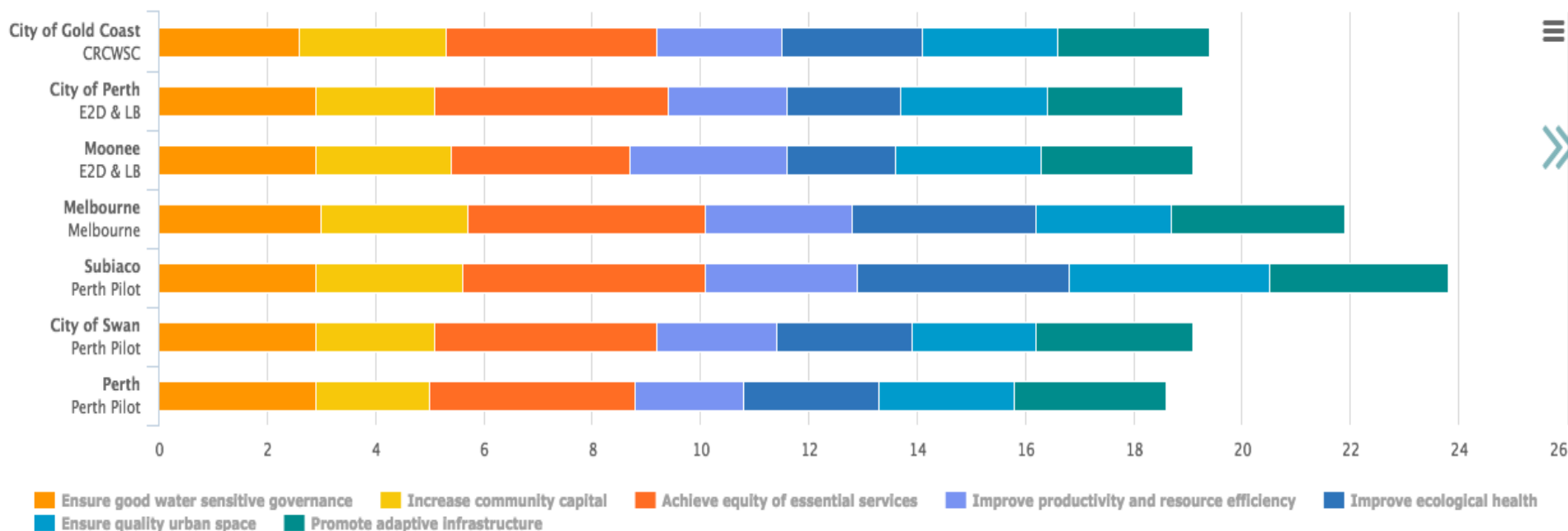


Current System



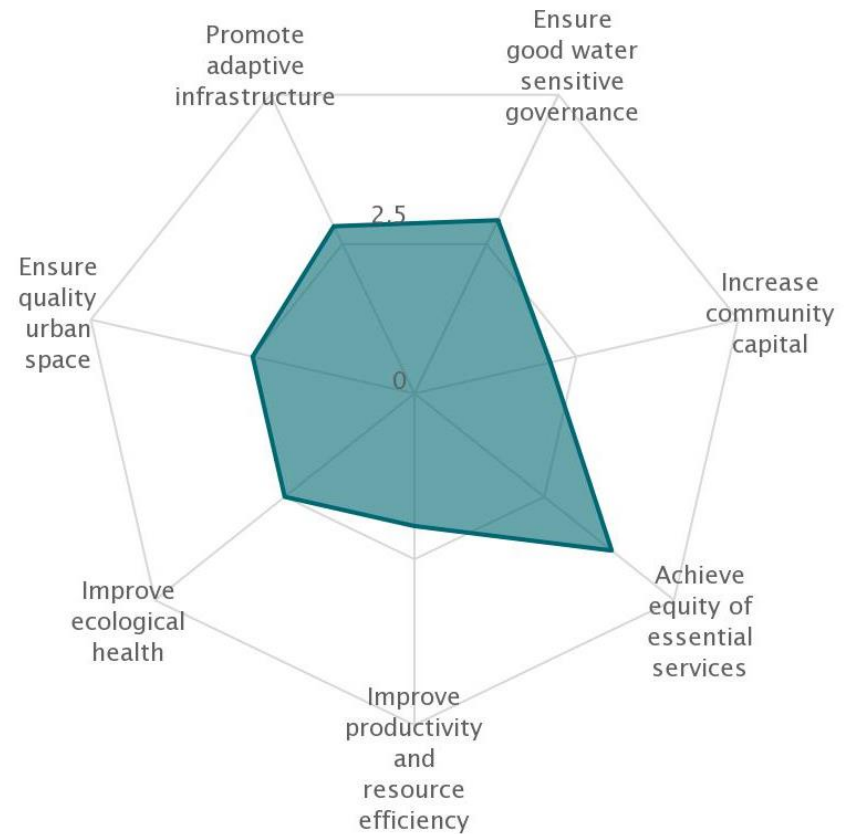
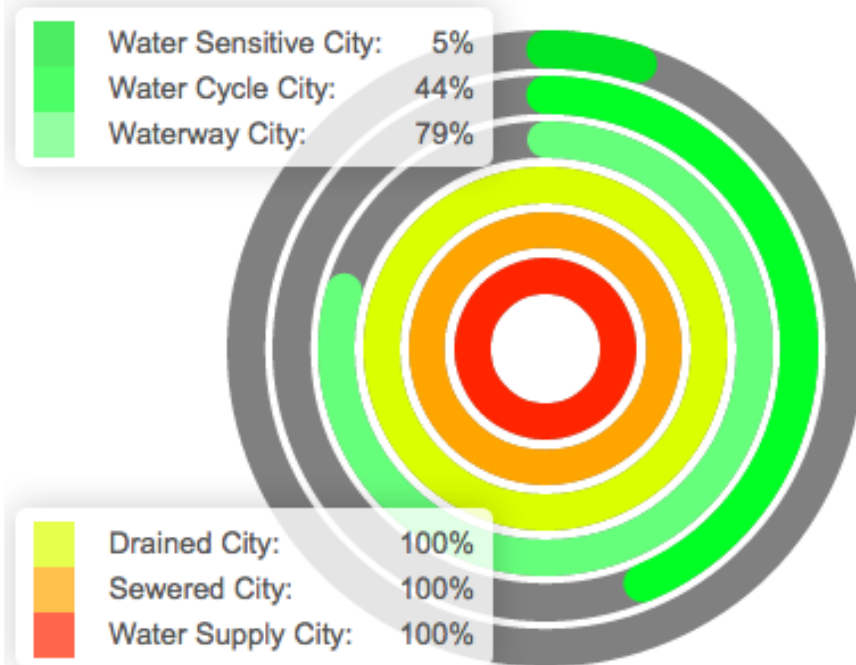
Water Sensitive Cities Index

- Benchmarking current city status
- Setting targets and tracking progress
- Modeling and prioritising management actions
- Fostering industry collaboration

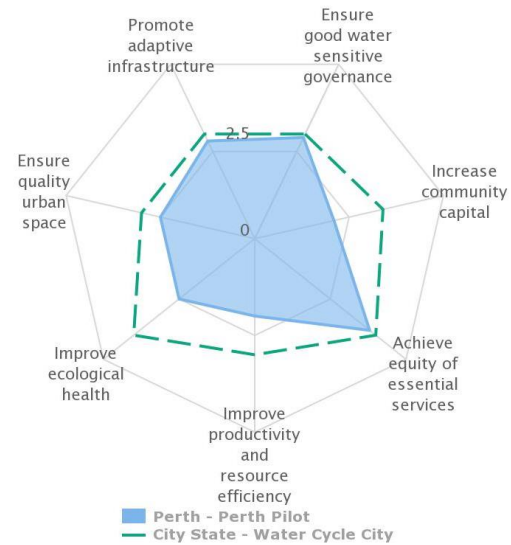
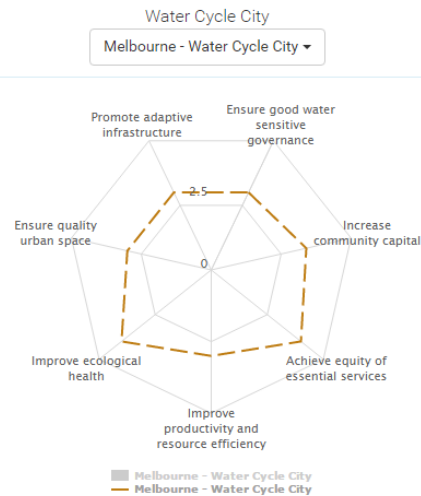


Benchmarking performance

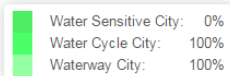
City State



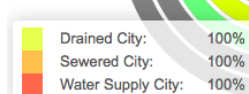
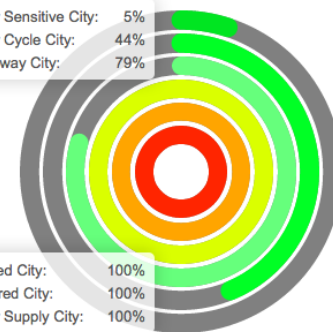
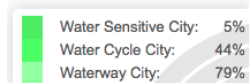
Tracking progress



City State



City State



Prioritising actions

City Index

1. Ensure good water sensitive governance			-0.6	3.6	▼
1.1. Knowledge, skills and organisational capacity	-2.0			5.0	
1.2. Water is key element in city planning and design	-2.0			5.0	
1.3. Cross-sector institutional arrangements and processes	+0.5			2.5	
1.4. Public engagement, participation and transparency	-1.0			4.0	
1.5. Leadership, long-term vision and commitment	-1.0			4.0	
1.6. Water resourcing and funding to deliver broad societal value	-0.0			3.0	
1.7. Equitable representation of perspectives	+1.0			2.0	
2. Increase community capital			+0.1	3.3	▼
3. Achieve equity of essential services			+0.2	3.8	▼
4. Improve productivity and resource efficiency			-0.2	3.2	▼
5. Improve ecological health			+1.1	2.9	▼
6. Ensure quality urban space			+0.5	2.5	▼
7. Promote adaptive infrastructure			-0.3	3.3	▼

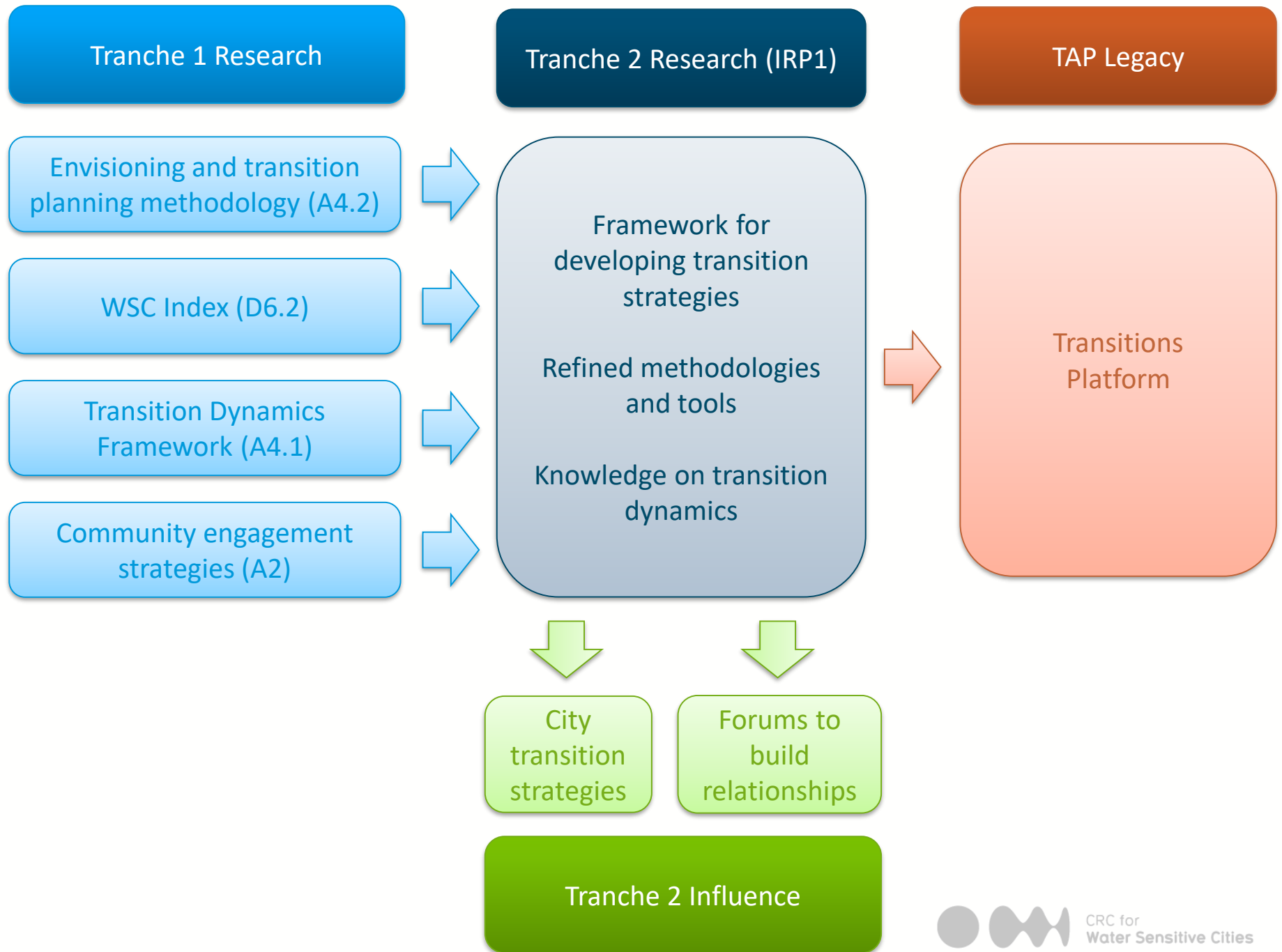
This demonstration actions are designed for demonstration purpose only.

WSC Infrastructure	GG +0.1	CC 0.0	EQU 0.0	PRO 0.0	EH 0.0	QUS 0.0	PAI +0.3	\$15000	✎
More urban space	GG 0.0	CC 0.0	EQU 0.0	PRO 0.0	EH 0.0	QUS +0.7	PAI 0.0	\$30000	✎
Improve eco-health	GG +0.1	CC 0.0	EQU 0.0	PRO 0.0	EH +0.7	QUS 0.0	PAI 0.0	\$8000	✎
Improve water governance	GG +0.4	CC 0.0	EQU 0.0	PRO 0.0	EH +0.1	QUS 0.0	PAI 0.0	\$12345	✎

Fostering collaboration

The background is a solid teal color. At the top, there is a decorative wavy pattern in a slightly lighter shade of teal, consisting of several overlapping semi-circular and wave-like shapes.

More tools to support transition...



Case studies



- Mix of scales and contexts
- Opportunity for impact
- Readiness of stakeholders
- Willingness to contribute to research

Transitions Platform

- Purpose is to support the development of transitions guidance for cities and provide a global knowledge hub for city-to-city learning
- Web-based software to make knowledge, methodologies and tools accessible and tailored for industry application
- Comprised of three overarching tools, with interactive visualisation and reporting functionality

