

CRC for Water Sensitive Cities
Regional Advisory Panel Meeting #25 – Western Region
Wednesday 17 May 2017 8:00am – 9:30am
Department of Water, St Georges Terrace, Perth
Board Room
Teleconference: 1800 179 069 Guest: 8450973#

AGENDA

Chair: Greg Claydon (Department of Water)
 Minutes: Sonja Davidson (CRCWSC)

Item No.	Topic	Whom	ATT#
5 mins	INITIAL PROCEEDINGS		
1.	Welcome and Apologies	Greg Claydon	
2.	Acceptance of Previous Minutes	Greg Claydon	1.
3.	Action from previous minutes	All	2.
4.	Correspondence		
30 mins	CRC WATER SENSITIVE CITIES UPDATES		
5.	Chief Executive Officer update <ul style="list-style-type: none"> • Board Nominations • Transition post 2021 • EPRG meeting 	Tony Wong (call in)	3.
6.	Executive Report <ul style="list-style-type: none"> • Resources for next FY • International work • Advisory Committee meeting 	Tony Wong / Barry Ball / Jurg Keller (call in)	
7.	Research Adoption Report <ul style="list-style-type: none"> • Research Adoption Strategy 	Barry Ball (call in)	
8.	Research Manager <ul style="list-style-type: none"> • IRP5 • IRP3 and IRP4 	Jurg Keller (call in)	
9.	Regional Manager Report <ul style="list-style-type: none"> • Update on Research, TAP, opportunities etc. 	Emma Yuen	4.
50 mins	ITEMS FOR DISCUSSION		
9.	Capacity Building <ul style="list-style-type: none"> • Reflections on NWW this FY • a way forward next FY • Priority capacity building activities for 17/18 	Greg Claydon	7.

10.	Post State Election Impact & Opportunities <ul style="list-style-type: none"> Machinery of government changes Post election opportunities 	All	5.
11.	Policy and Guidelines <ul style="list-style-type: none"> Opportunities to influence current policies under development 	All	6.
12.	Stakeholder engagement <ul style="list-style-type: none"> Priorities and Opportunities 	Greg Claydon	8.
2 mins	UPCOMING EVENTS		
9.	Ideas for Hester Park synthesis - mid July	Antonietta Torre	
10.	CRCWSC Water Sensitive Cities Conference - 18-20 July	Emma Yuen	
11.	Calendar of Events WA CRCWSC	Emma Yuen	9.
3 mins	OTHER BUSINESS		
12.	Comments on new Agenda	All	
13.	Any other issues	Greg Claydon	
14.	Meeting Close and Next Meeting: 26 July 2017 @ UWA Trustee Building	Greg Claydon	

RAP Members			
Greg Claydon (Inaugural Chair) CRCWSC Board Director - Department of Water	Anas Ghadouani The University of Western Australia – CRCWSC Western Region Executive Director	Emma Yuen The University of Western Australia – CRCWSC Western Region Manager	Antonietta Torre Department of Water – CRCWSC Essential Participant
Ben Harvey Department of Planning	Bruce Young Urban Development Institute of Australia WA (UDIA WA)	Giles Pickard City of Subiaco	Emma Monk Department of Parks and Wildlife
Greg Ryan LandCorp	John Savell Housing Authority – CRCWSC Essential Participant	Max Hipkins City of Nedlands	Mike Mouritz CRCWSC Board Director
Naomi Rakela Eastern Metropolitan Regional Council	Neil Burbridge City of Armadale	Nicholas Deeks GHD	Peter Davies UWA CRCWSC Essential Participant
Sergey Volotovskiy Water Corporation	Shelley Shepherd Essential Environmental	Ajay Shah KBR	
Invitees			
Tony Wong Chief Executive Officer	Barry Ball Research Adoption Executive	Sonja Davidson CRSWSC Administrator	
Jurg Keller Chief Research Officer	Joanne Woodbridge Proxy Eastern Metropolitan Regional Council	Jane McCredie Proxy Department of Planning	
Apologies			
Anas Ghadouani The University of Western Australia –	Ben Harvey Department of Planning	Max Hipkins City of Nedlands	Mike Mouritz CRCWSC Board Director
Peter Davies UWA	Naomi Rakela Eastern Metropolitan Regional Council		

Western Region update

RAP 14 June 2017

Activity title	Outcomes achieved	Priority going forward	Items for RAP to advise upon
CRCWSC Board	Nominations for new board position including from a development perspective Nominations committee met on 11 April	Meeting June 2017	
CRCWSC Advisory committee	Meeting April 27. Strategic Plan, Thinktanks, T2 (IRP3, 4, 5) were discussed. Comments on Strategic Plan circulated to Ben Fumage	Thinktank on 'urban water services of the future'	
EPRG	Meeting 12 May. Strategic Plan, IRP3, 4, 5 were discussed.		
Tranche 1	All complete except B2.23, D 5.1 and D1.4. WGV as a case study for D1.4 Don Williams presented progress to DoW on case studies for B5.1		
2017 retreat	Retreat held March 30/ 31.	Small working groups addressing: <ul style="list-style-type: none"> Organizational Values Constructive feedback 	
Adoption - IRP1	IRP 1 has delivered a Transition Dynamics Framework (TDF) for prioritising 5 out of 7 target goal areas. Transition Network meeting 4 May discussed: <ul style="list-style-type: none"> IRP1 process Waterwise Councils 	Finalise remaining 2 TDF and develop implementation table Engage with Transitions Network around TDF findings. Socialize implementation framework Develop transition strategy by end of July Develop implementation plan by end of July. Workshop on governance - August	
IRP2	A draft Stakeholder Engagement Strategy has been developed for IRP2. Subiaco WWTP workshop on May 24,25 (WP5.2). Living streams (WP5.3) meeting held on 24/03/2017 at the EMRC.	Quarterly meetings for IRP2. Finalisation of BCA tool review. Unsuccessful case studies to be notified by steering committee of outcome. Living streams case study will hold another meeting in June.	Sayed has requested that Joanne remain as a contact for information on the living stream case study.
IRP3	Planning workshops in Feb. Steering committee confirmed.	Board views draft in June. Board approves final in August.	Update on the steering committee members in attachment.
IRP4	Planning workshops in Feb. Steering committee confirmed.	Board views draft in June. Board approves final in August.	Update on the steering committee members in attachment.
IRP5	IRP5 workshop held in Perth April 6. Three WA nominations for the steering committee. Update at DoW on 12 June Jurg intends to develop the project over the next 6 months.	IRP5 "interim steering committee" with Jurg 23 June Executive approves first 6 months Board approves project in 2018.	
Opportunities – Post election		Small window of opportunity after the election.	Agenda item: What are the opportunities post election? What are the implications of the machinery of government changes?
Opportunities - policy	Inventory/ list of policies from the CRCWSC impact session and January 2017 meeting		Agenda item: Present list of policies, identify gaps and those we want to influence and how to pursue them?
Opportunities - Regional projects	Investigated opportunities for regional projects: Brabham – possible case study for IRP5 Montario – possible "Ideas for" or reuse of wastewater from Subiaco WWTP Hamilton Hill School redevelopment – possible smart cities	Deliver regional project(s) with support of industry	

	Nambeelup – important but constrained by time frames		
Smart Cities	Bringing together bid for Smart Cities round of funding for: <ul style="list-style-type: none"> National Platform to connect CRC outputs with non-scientists - workshops 23 May QLD and 25 May VIC. Urban Monitor – numerous workshops, strong support, WALGA has taken the lead but not through smart cities Hamilton Hill School redevelopment 	Support WALGA with Urban Monitor to establish a proposal by the end of the year ready for LGA budget processes and/ or grants available at the time	Hamilton Hill is the only potential smart cities bid still targeting the first round.
TAP - WSC index	Draft proposal has been developed for the accreditation of consultants running WSC Index workshops.		
TAP - WSC Toolkit	Training session was delivered for the WSC Toolkit. Interviews with Peter Bach for virtual reality were conducted May 2-5.		
TAP - Platform	Draft proposal for the TAPs platform was presented at Advisory and EPRG that included: TAP1 – index, TDF, monitoring TAP2 – stream health, microclimate, metabolism, rainfall data, economics, toolkit TAP3 – DANCE4Water (tested in each region)		Steering committee to share other key aspects of the TAP proposal.
Adoption - WA Research and Adoption Plan	Barry has developed a new draft of the research and adoption strategy Capacity Building teleconference held 30 May with second one planned for 21 June to share progress to date.	Review the WA research and adoption plan. Capacity Building (face to face) meeting (17 July) is to focus on challenges and opportunities.	
KAT – capacity building	Barry requires majority of budget to be assigned to activities. Workshop group	Signoff on the workplan and budget at RAP to be sent to Barry. Budget going to June Board meeting.	Agenda item: Signoff on priorities around what will be done, how and by whom The process past and present Evaluation of last years capacity building. Proposed budget
Analysis activities: Evaluation	Evaluation of impacts by Sylvia Tawfic was circulated after the last RAP.		
Conference	Designed tours for: <ul style="list-style-type: none"> WGV - Landcorp Walking tour of Perth CBD WSUD - Syrinx Training on high groundwater: REDOX, nutrients and water balance Supporting marketing of the conference.		Update on tours. Request for support with marketing
Stakeholder engagement by Regional Manager	Visited state agencies (DoH, DSR), developers (Urban Quarter and Spatial), WALGA, and City of Canning, City of Melville, Mandurah, Murdoch Uni in order to understand of stakeholder needs, issues and opportunities Identified opportunities for regional projects Agreed that a Development Sector Engagement Strategy would be developed by the group and then ask for funding under Capacity building. Barry is organizing a consultant orientated CRC information session August	Meet regularly with participants Meet with key non-participants (eg UDIA) Develop a strategy for engagement with: <ul style="list-style-type: none"> the development sector; local government sector; various stakeholders around the transition strategy; and policy makers around strategic policy opportunities 	Upcoming meetings are with: the forever project Meetings related to the development sector strategy. Second round of meetings with local government related to engagement strategy. Agenda item: Circulation of stakeholder map



Western Regional Advisory Panel

Meeting No.
[25]

Attachment 5

17/05/2017

Agenda Item 9

Here is a link to the list of heads of the new agencies that will come into effect 1 July.

https://publicsector.wa.gov.au/sites/default/files/documents/2017_agency_heads.pdf

2017 - Machinery of Government changes

Current agencies	New departments	Agency heads
Department of State Development	Department of Jobs, Tourism, Science and Innovation	Mr Stephen Wood
Department of Commerce (Industry promotion and innovation functions)		
Western Australian Tourism Commission (Trading as Tourism WA)		
Department of Mines and Petroleum	Department of Mines, Industry Regulation and Safety	Mr David Smith
Department of Commerce (other than industry promotion and innovation functions)		
Department of Agriculture and Food	Department of Primary Industries and Regional Development	Mr Ralph Addis
Department of Regional Development		
Department of Fisheries		
Regional Development Commissions		
Department for Child Protection and Family Support	Department of Community Services	Mr Grahame Searle
Department of Housing (Housing Authority)		
Disability Services Commission		
Department of Local Government and Communities (Communities functions, including seniors, volunteering, youth and multicultural interests)		
Department of the Attorney General	Department of Justice	Dr Adam Tomison
Department of Corrective Services		
Department of Education	Department of Education	Ms Sharyn O'Neill
Department of Education Services		
School Curriculum and Standards Authority		
Department of Planning	Department of Planning, Lands and Heritage	Ms Gail McGowan
Department of Lands		
State Heritage Office		
Department of Aboriginal Affairs (Lands and Heritage functions)		
Department of Parks and Wildlife	Department of Biodiversity, Conservation and Attractions	Mr Mark Webb PSM
Botanical Gardens and Parks Authority		
Zoological Parks Authority		
Rottnest Island Authority		
Department of Local Government and Communities (Local Government functions)	Department of Local Government, Sport and Cultural Industries	Mr Duncan Ord OAM
Department of Culture and the Arts		
Department of Racing, Gaming and Liquor		
Department of Sport and Recreation		
Department of Water	Department of Water and Environmental Regulation	Mr Mike Rowe
Department of Environment Regulation		
Office of the Environmental Protection Authority		

2017 - Machinery of Government changes

Current agencies	New departments	Agency heads
Department of the Premier and Cabinet	Department of the Premier and Cabinet	Mr Darren Foster
Department of Aboriginal Affairs (Policy)		
Western Australian Police	Western Australia Police	Dr Karl O'Callaghan APM
Road Safety Commission		



Western Regional Advisory Panel		
Meeting No. [26]	Attachment 6 revised	
14/06/2017		

Agenda Item 10
Upcoming Policy and Guideline Opportunities;

Policy or Guideline	Opportunity to influence next 6 months? (yes/maybe/no)	How to influence? Who is involved?
SPP 2.1 Peel-Harvey Coastal Plain Catchment		
SPP 2.2 Gngangara Groundwater Protection		
SPP 2.3 Jandakot Groundwater Protections		
SPP 2.7 Public Drinking Water Source		
SPP 2.9 Water Resources		
SPP 2.10 Canning – Swan River System		
Liveable Neighbourhoods -> Neighbourhood Design		
Urban Forest Strategy for Perth Peel		
Design WA, Apartments done but the rest still to go including R codes		
Draft Government Sewerage Policy		
SPP 7.3 Precinct Design		
Transformed Peel - Peel Integrated Water Initiative		
Strategic Assessment of Perth Peel Region / Green Growth Plan		
Transport Plan / Metronet		
Water Resources Management Bill - committees (advisory council, innovation committee etc) gaps (water quality, liveability)		
Water Innovations Advisory Group		
Review of Better Urban Water Management		
Perth Peel 1.3 M - DoW Water Plan		
National Water Reform		
Sewerage policy		
national reuse guidelines?		
City of Armadale WSUD policy		
City of Melville green infrastructure policy		
River Protection Strategy – Drainage governance		
Water Innovation funding program?		

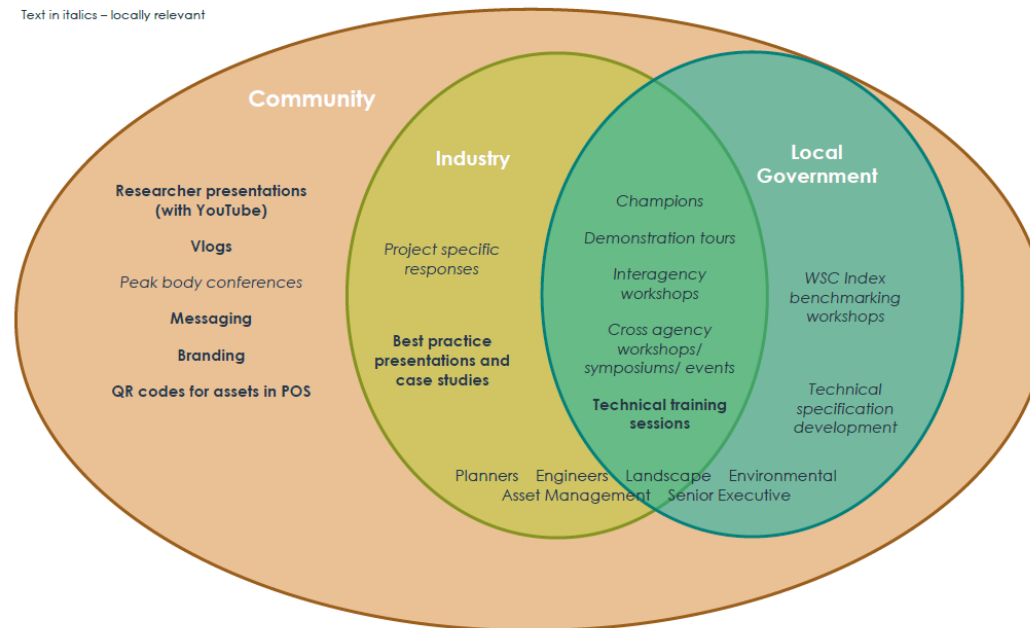
Western Regional Advisory Panel		
Meeting No. [26]	Attachment 7 -revised	
14/06/2017		

Agenda Item 11	
Capacity Building	

WSUD knowledge brokering and capacity building in WA – stakeholders & activities

Text in bold – National relevance

Text in italics – locally relevant



CRCWSC COMMUNICATIONS AND ADOPTION (KNOWLEDGE BROKERING) ACTIVITIES 2017/2018 – FOR DISCUSSION

CRC 40K	SS/H B hours	NM hours	hours/ mth or session	total/mt h or session	disburse ments	#session s	total cost	Cost after ticket sales	Total
Researcher presentations (with YouTube)	4	2	6	\$1,120	\$180.00	2	\$2,600	\$2,600	\$2,600
Creation of Vlog (2 min video of WSUD concept with static images and voice)	10	20	30	\$5,200		2	\$10,400	\$10,400	\$13,000
Industry practice note/ guidance (eg fact sheets/case study)	8	25	33	\$5,600		1	\$5,600	\$5,600	\$18,600
WSC inter/intra agency workshop	18	8	26	\$4,880		2	\$9,760	\$9,760	\$28,360
Cross agency forum and networking event	14	10	24	\$4,400		1	\$4,400	\$4,400	\$32,760
Bus trip (partially subsidised - Ticket sales estimate 45 @ \$50 pp, \$2250)	10	10	20	\$3,600	\$900.00	1	\$4,500	\$2,250	\$35,010
e-newsletters and links to resources on NWW website		2	2	\$320		12	\$3,840	\$1,590	\$36,600
Operational fund for researcher travel							\$3,500	\$3,500	\$40,100

CRC 80K	SS/H B hours	NM hours	hours/ mth or session	total/mt h or session	disburse ments	#session s	total cost	Cost after ticket sales	Total
Researcher presentations (with YouTube)	5	1	6	\$1,160	\$180.00	2	\$2,680	\$2,680	\$2,680
Creation of Vlog (2 min video of WSUD concept with static images and voice)	8	20	28	\$4,800		2	\$9,600	\$9,600	\$12,280
Practical technical training (preparation and delivery of 4 hour session)	25	15	40	\$7,400		1	\$7,400	\$7,400	\$19,680
WSC inter/intra agency workshop	18	8	26	\$4,880		3	\$14,640	\$14,640	\$34,320
Industry practice note/ guidance (eg fact sheets/case study)	8	24	32	\$5,440		1	\$5,440	\$5,440	\$39,760
Cross agency forum and networking event	14	10	24	\$4,400		1	\$4,400	\$4,400	\$44,160

Bus trip (partially subsidised - Ticket sales estimate 45 @ \$50 pp, \$2250)	8	12	20	\$3,520	\$900.00	1	\$4,420	\$2,170	\$46,330
Project specific interventions (1 on 1 with developers)	5	1	6	\$1,160		4	\$4,640	\$4,640	\$50,970
e-newsletters and links to resources on NWW website		2	2	\$320		12	\$3,840	\$3,840	\$54,810
Coordination and admin for Community Engagement WG	3	1	4	\$760		4	\$3,040	\$3,040	\$57,850
Marketing and branding of messages for the community							\$10,000	\$10,000	\$67,850
Development of QR codes for WSUD asset signage	3	8	11	\$1,880		4	\$7,520	\$7,520	\$75,370
Operational fund for researcher travel							\$5,000	\$5,000	\$80,370

Shaded activities are considered to have National relevance. These activities equate to more than 50% of the budget in both options.

CRCWSC NWW work program progress 2016/17

Activity	Deliverable	# sessions	Topic/location	Scheduled	Completed	In-kind contributions	Milestone 1
1	Review outcomes of T1	1	Review outcomes of T1	September	Yes	Review by RAP	Yes
2	Needs analysis - online survey and phone calls	1	Identification of capacity needs and priorities	November	Yes	Input from respondents and partners	
3	Local work plan for 2017 to 2020	1		April	Yes		Yes
4	Short list of priority policy initiatives	1	Review of SPP 2.9	October	Yes	Review by RAP	
5	Focussed events	2	(1) Landcorp Development managers (2) City of Armadale WSUD policy	15 May & 16 June 7 June		21	1
6	WSC workshops	2	(1) Project B 2.4 research findings and future (2) allocated to disbursements	25 November 2016	Yes N/A	34 attendees (4 hours each)	1
7	Industry practice note/ guidance	1	Car park retrofits	Draft - May			Yes
8	Researcher presentations	3	(1) Dave Pannell – A1.3 (2) Lindsay Beck – Index (3) Tracy Schultz – A2.3	2 December 2016 31 March 2017 21 April 2017	Yes Yes Yes	46 attendees 34 attendees 53 attendees	
9	Cross-agency forums and networking events	2	(1) LIAWA Symposium (2) AWA/SWA community event	4 April 2017 21 April 2017	Yes Yes	Over 100 hours Over 100 hours	1
10	Demonstration tours	1	White Gum Valley	28 February 2017	Yes	43 attendees	
11	e-newsletters and links to resources on NWW website	12		Monthly			

Melville street tree retrofits and EMRC urban canopy workshops – next financial year



CRC for
Water Sensitive Cities

Research Adoption Strategy

(Tranche 2: 2016/17 – 2020/21)



Australian Government
Department of Industry,
Innovation and Science

Business
Cooperative Research
Centres Programme

Document Control

Version date	Comments	Modified by
1.0	Communication and Adoption Strategy	Fiona Chandler /Barry Ball
2.0	Renamed to : Research Adoption Strategy Separation of communication and adoption to align with T2 folios	Barry Ball
2.1 - 31/10/2016	Minor formatting changes	Lorena Taylor

DRAFT

CRCWSC pathway to adoption

Our vision

The CRCWSC exists to meet the challenges of three critical drivers affecting Australian cities and towns: population growth and changes it affects in lifestyle and values; climate change and climatic variability; and economic conditions.

In the CRCWSC vision, future cities and towns, and their regions, will be sustainable, resilient, productive and liveable.

Our mission

The CRCWSC's preeminent research, analytical and advocacy capabilities and cross-sector partnerships enable us to do this by:

- developing knowledge across a broad range of relevant domains;
- synthesising the knowledge gained into powerful tools and communications that meet the needs of government, industry and the community; and
- influencing the key players who shape and manage our cities to adoption water sensitive solutions.

Long term critical outcomes and indicators of success

The CRCWSC Strategic Plan 2014/15 – 2016/17 identifies ten **outcomes** considered critical to the long-term successful achievement of the CRCWSC vision.

- The rules (regulatory environment) in which our cities are developed and planned supports WSC principles.
- The investment and decision making (business case) processes for urban development and water management adopt WSC principles.
- Communities are engaged by water and urban planning sectors in the development of strategies for the delivery of services.
- The practices (tools and techniques) used by urban planning, architecture, water management practitioners to create the physical, social and biological form of cities implement WSC best practice.
- Water cycle technologies are available with associated guidelines for their design and operational and asset management.
- WSC best practice in delivery of urban water services.
- WSC principles and approaches recognised in all National and State policy and growth plans.
- Industry leads the on-ground implementation of WSC interventions underpinned by rigorous industry standards.
- Government and industry has access to a world-class workforce with the capacity and capability to develop and implement WSC.
- Water utilities and/or private operators have the capacity, and are willing, to operate WSC infrastructure and technologies.

4 Research Adoption Strategy (Tranche 2016/17 - 2020/21)

- Australia is a world class provider of WSC Research and Development, Education, Technology, Capacity-building and consulting.
- Enduring partnerships and relationships between government, industry and research institutions established and flourishing in WSC Research|Synthesis|Influence.

Our approach

Our approach to adoption is underpinned by a conceptual framework informed by the needs and vision of industry partners for a water sensitive city underpinned by the CRCWSC tranche 2 research agenda and the utilisation of tranche 1 research outputs. Both are core to the successful delivery of the critical long-term outcomes identified in the CRCWSC Strategic Plan outcomes, and long-term policy change. Figure 1 presents the conceptual framework for adoption during the second tranche 2 activities of the CRCWSC commencing in 2016.

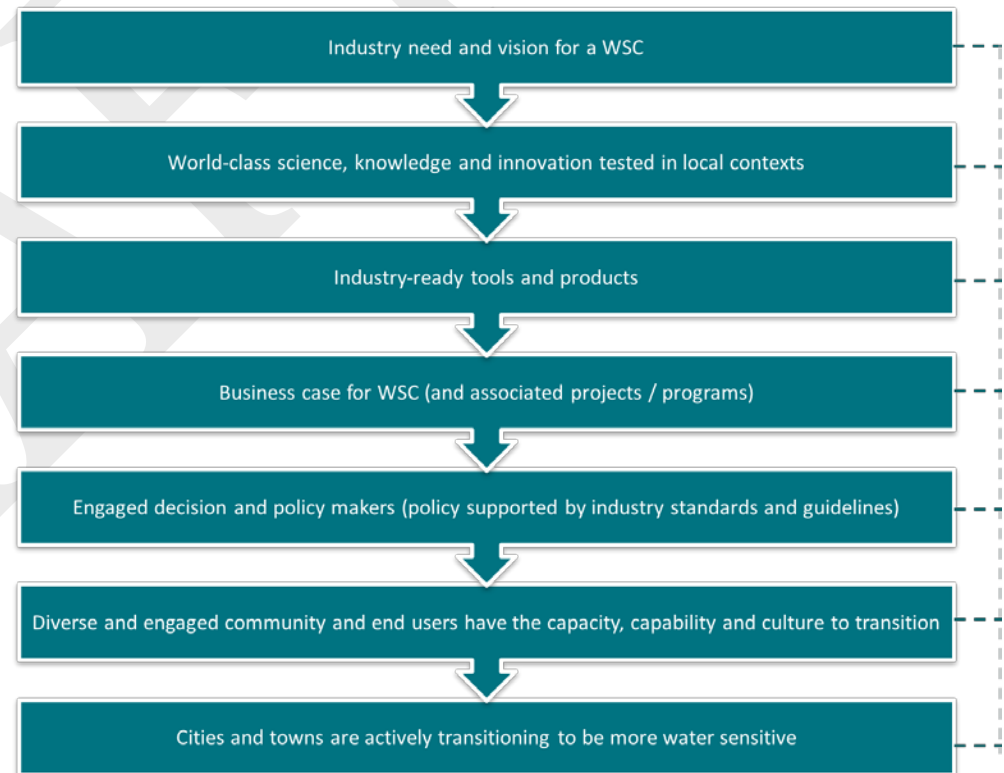
Figure 2 outlines the priority strategies identified by the CRCWSC Executive, and representatives of the Essential Participants and Regional Advisory Panels¹. Table 1 presents a more detailed overview of the priority strategies along with key performance indicators, specific actions and lead responsibilities.

Context

The initial Communications and Adoption Strategy (Tranche 1 - Version 1 and 2) were developed to support the dissemination of early research outputs during tranche 1 (2012 – 2016) and to support the building of essential networks and relationships that are the foundation of multi-disciplinary, industry-led research programs.

The Research Adoption Strategy (tranche 2) is focussed on the translation and dissemination of research outputs associated with research project undertaken in the first four-five years' effort, along with building the capacity of individuals and organisations to adapt, apply and evaluate innovative solutions for a water sensitive city future. This includes enabling the development and implementation of the various Water Sensitive Cities

Figure 1. Conceptual framework for CRCWSC communication and adoption (Tranche 2: 2016/17 – 2020/21) It is not meant to imply a linear process but rather recognises pre-conditions that are required to achieve sustainable and mainstream adoption.



¹ Strategies were identified during a workshop held on 18 March, 2016

Transition Plans.

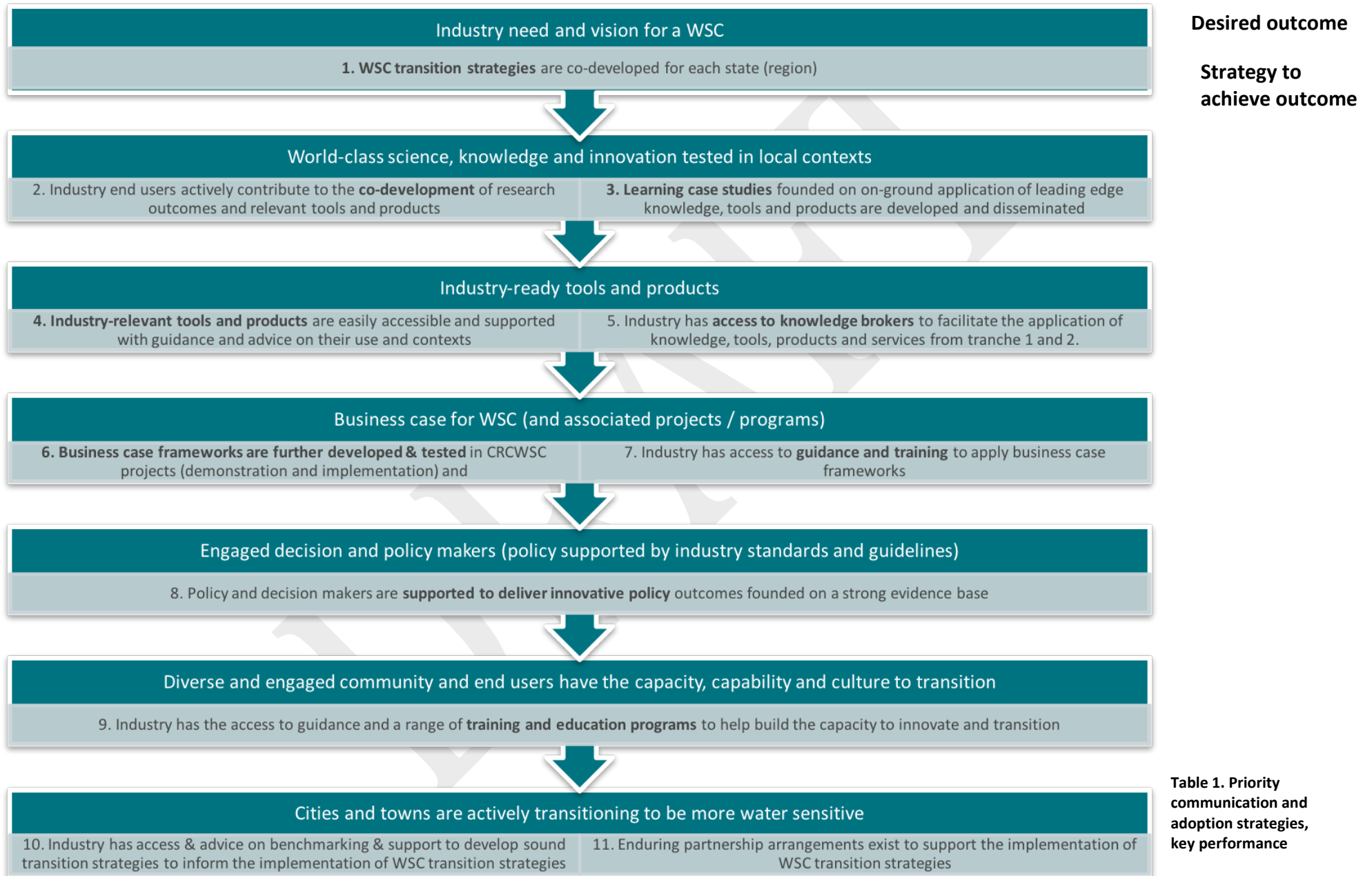
This strategy is not intended to be exhaustive as it is envisaged that local Water Sensitive City Transition Plans will identify further activities and actions that will be delivered at the local scale, but rather it identifies priority strategies the CRCWSC must target in order to maximise success in the delivery of the Strategic Plan outcomes. This strategy does not address communication and capacity building needs associated with researchers or the PhD / early career researcher cohort. These activities are managed within the Research and Development portfolio.

What we mean by adoption

The Australian Government defines knowledge adoption as the uptake of information, concepts, tools or practices (innovation) that have been generated primarily through research. The CRCWSC uses the term “adoption” to describe not only the uptake of concepts, tools and practices generated by the CRCWSC but also a wide range of interrelated activities that underpin successful knowledge uptake such as:

- engaging with stakeholders early and throughout the knowledge and research phases;
- effective communication and access to information, data and knowledge;
- effectively marketing the CRCWSC to build credibility and awareness;
- building capacity to engage and adopt research outputs and WSC principles;
- and influencing decision makers to embed research outcomes and WSC principles in policy.

Figure 2. Conceptual framework for CRCWSC communication and adoption (Tranche 2: 2016/17 – 2020/21)



indicators and actions for tranche 1 and 2 outputs.

Adoption Strategy	Performance indicator and target	Actions	Lead
1. WSC Transition Strategies are co-developed for each state / region	WSC Transition Strategies are co-developed with RAPS for Perth, Melbourne, Brisbane, Sydney and Adelaide by mid 2017	WSC Transition Strategy process developed and tested through the IRP1: <i>WSC Transition strategies</i> , are commenced in mid 2016	Chief Research Officer (CRO)
		Lead the development and implementation of endorsed WSC Transition Strategies with RAP	Research Adoption Executive (RAE)
2. Industry end users actively contribute to the development of research outcomes and relevant tools & products	All IRP proposals to ensure priority industry end-users (at least 1 for each IRP) are identified and are making a significant contribution to delivering agreed project outcomes, and advising on the development of industry relevant tools and products, along with an identified pathway for adoption.	Ensure IRP proposals provide detailed guidance minimum and communication and engagement requirements to ensure strong industry ownership and active contribution	CRO
		Establish project-level industry advisory groups for IRPs where appropriate	CRO
	At least five research synthesis workshops are undertaken per year aimed at applying and validating research knowledge in real industry contexts.	RAPs and industry participants identify priority opportunities for practical application of tranche 1 and tranche 2 knowledge.	CEO / RAE
3. Industry has access to WSC case studies and demonstration sites, and develops the capacity to learn from projects and programs that have delivered WSC outcomes	At least three CRCWSC case studies per year are developed and disseminated for priority locations and that represent a range of scales, development types, interventions and socio-institutional contexts.	Research project ' <i>Learning through demonstration and integration</i> ' (Project D1.4) leads the identification, analysis and dissemination of WSC learning case studies.	RAE/ CRO

8 Research Adoption Strategy (Tranche 2016/17 - 2020/21)

	At least one RAP identified REG project incorporates a learning and evaluation framework ² that will inform the development of a CRCWSC case study at the projects completion.	Research project ' <i>Learning through demonstration and integration</i> ' (Project D1.4) supports the development of a Learning and evaluation framework for a RAP selected REG prior to project commencement	RAE/ CRO
4. Industry-relevant tools and products are easily accessible and supported with guidance and advice on their use in various contexts	Industry end users are engaged in the identification of priorities for knowledge translation (from T1 and T2) as well as the development of products and services.	Work with Project Leaders (T1 and T2) and industry end users via the CRCWSC IP Management Framework to identify priorities for knowledge translation and development	CRO / COO
	Industry end users are actively using a range of knowledge products and services with positive outcomes.	Develop targeted Adoption Plans for priority CRCWSC tools and products, which includes a range of marketing, capacity building and evaluation actions.	CRO/COO
		Develop user manuals for priority CRCWSC tools and products that provides clear guidance on use, background evidence and science that has informed the tool development and support mechanisms	CRO
5. Industry has access to knowledge resources to facilitate the application of knowledge, tools, products and services from tranche 1 and tranche 2.	All IRPs to incorporate key roles and accountabilities to include activities that will support the dissemination and application of related knowledge to industry end users.	Provide guidance and targets in the project proposal template for use by project teams in the development of all Tranche 2 research projects	RAE
	Position descriptions for REDs and/or Regional Managers incorporate roles and activities that will support the dissemination and application of all knowledge and research outputs to industry end users.	Review the position descriptions to ensure key industry liaison roles have appropriate capacity and capability to support knowledge sharing and to provide advice for industry end users.	RAE
6. Business case frameworks are tested in CRCWSC case studies and demonstration projects	WSC Business Case framework and valuation tools are accessible by industry	Complete research project <i>Comprehensive Economic Valuation Framework</i> (Project IRP2) by 2017	CRO
	Knowledge on business case application is	Appropriate business case frameworks are	CRO / RAE

² A Learning and evaluation framework is

	integrated into all CRCWSC case studies and demonstration projects	considered in the analysis of all case study analyses and learning framework of new demonstration projects	
	CRCWSC Business Case frameworks are tested and validated in at least one REG in each state.	Identify at least one REG in each state that can support the application and evaluation of business case frameworks as part of the Learning Framework.	CRO
7. Industry has access to guidance and training to apply business case frameworks	Capacity building programs are accessible to industry end users	Develop a business model to support the roll out of the short course 'Building a strong business case for WSC projects and programs' and other structured capacity building programs as appropriate.	RAE
		Work with RAPs to identify local priorities for developing skills and capacity to use appropriate business case frameworks	RAE
8. Policy and decision makers are supported to deliver innovative policy outcomes founded on a strong evidence base and facilitate integrated outcomes across relevant organisations	CRCWSC identifies and proactively supports up to 3 policy influence priority initiatives (for example a new state-based water or urban growth policy)	A short list of priority policy initiatives are identified by the RAPs and considered for further influence strategy development by the Science-Policy research team (currently funded through IRP1) and the Executive.	RAE
	CRCWSC participants have access to a team of experts in influencing policy and planning outcomes. This service would include support to develop the evidence base as well as the 'influencing' strategy to ensure implementation	Funds are allocated in 2016/17 budget to support access to policy experts and advisors and to develop specific influence and policy support processes.	RAE
	Develop Industry or policy notes and guidance (e.g. synthesis report on key policy challenges) that support the translation of IRP outcomes and findings for policy-makers	Work with Regional Executive Directors, regional advisory panels, project leaders and knowledge brokers to identify priority topics and industry needs.	RAE
9. Industry has the access to guidance and a range of training and education programs to help build the capacity to innovate and transition	A Education and Training plan is developed and approved by the CRCWSC Executive that includes a business development plan for ensuring cost effective delivery of capacity building activities	Based on the outcomes of T1 project <i>Strengthening educational programs to foster water sensitive cities leaders</i> (Project D4.1) develop a business plan to design and implement priority programs in a cost—effective manner	RAE

10 Research Adoption Strategy (Tranche 2016/17 - 2020/21)

	RAPs have developed a local work plans that identified priorities for building skills and capabilities for priority industry end users.	Work with RAPs and state-based capacity building programs and providers to plan and fund local activities (consistent with the CRCWSC Communication and Adoption Strategy for tranche 2) to build skills and capacities in priority areas and for priority end users	RAE
10. Industry has access and advice on benchmarking and support to develop sound transition strategies to inform the implementation of WSC Transition Strategies	The WSC Index tool is available for use by CRCWSC participants to enable the tool to be further refined and enhanced	Project specific communication and adoption plan is developed and implemented as part of the T2 TAP portfolio	RAE/ CRO
	The WSC Index tools is used to underpin the development of the city-region based WSC Transition Plans	IRP1 incorporates the use of the WSC Index	CRO
11. Enduring partnership arrangements exist to support the implementation of WSC Transition strategies	RAPs endorse a Terms of Reference and strategy to build strong collaboration	Regional Managers are appointed to coordinate RAP activities and development and implementation of the WSC Transition Plan	RAE

Influence Strategy

The CRCWSC Influence Strategy identifies the priority influence activities that are considered essential to delivery of the CRCWSC Strategic Plan Critical Long Term Outcomes.

Table 2. Strategies, KPIs and Action to deliver internal influence

Internal Influence Strategy	Performance indicator and target	Actions	Lead
Essential Participants (EP) are advocates for, and play a lead role in influencing the water sensitive city policy agenda	Ensure key EP organisations, and their relevant Board Chairs / Ministers, are briefed annually by CRCWSC Executive and/or Board representatives	CRCWSC CEO / Chair to continue to attend and brief EP boards and executive meetings to report on achievement against the value proposition and strategic plan, and to identify water sensitive city policy reform opportunities	RAE
	Ensure relevant Ministers, policy advisors, Chairs and key Executives in EP organisations are regularly briefed on CRCWSC outcomes and progress	Ensure EPRG members have access to key communications materials that EPs can use to internally influence better e.g. quarterly reports, research reports and key findings.	Essential Participants Reference Group (EPRG)
	Support EP organisations' internal technical experts e.g. developer services, access CRCWSC science and technical understanding.	Create new forums to effectively share CRCWSC knowledge resources and findings.	EPRG
		Identify capacity building needs and integrate into CRCWSC capacity development programs at the local and national level.	RAE
Influence and support CRCWSC participant <u>Universities</u> to better integrate WSC-related concepts and principles into future curriculum development	Priority water sensitive city principles are considered by The University of Queensland, Monash University and The University of Western Australia (as a minimum) in undergraduate and post graduate curriculum review	Consult with CRCWSC university and training provider organisations to identify, plan and prioritise training and education programs.	CRO

Table 3. Strategies, KPIs and Action to deliver external influence

External Influence Strategy	Performance indicator and target	Actions	Lead
<p>Support key departments and ministries (e.g. for water, environment, planning and housing) in all states enhance the implementation of water sensitive outcomes and principles in appropriate policy reform and policy implementation processes</p>	<p>Opportunities for influence state-level policy reform are identified in all WSC Transition Strategies</p>	<p>Identify ministerial ‘trusted advisors’ and identify key political / organisational drivers to inform future policy influence initiatives</p>	<p>RAE</p>
		<p>Design and develop key communication resources and tools (e.g. policy notes, research synthesis reports, case studies and success stories), including an ‘elevator pitch’ that includes snippets of relevant facts, key messages, in appropriate language and aligned to hot topics – i.e. government not specifically talking about WC – but have interest in climate adaptability, heatwaves, liveability, employment etc.</p>	<p>RAE</p>
		<p>Create a cohort of CRCWSC champions (across participant organisations) who have the capacity and capability to disseminate key WSC messages at points of key decision-making.</p>	<p>RAE</p>
<p>Identify strategies to build awareness and capacity of the <u>urban development industry</u> (greenfield and infill), including public housing leaders (e.g. Defence Housing Authority and State Government Housing Authorities), to adopt WSC outcomes and principles</p>	<p>Key urban development peak industry bodies are represented on the RAP</p>	<p>Identify priority peak industry bodies such as UDIA, Property Council, HIA and the private consulting industry etc., along with communication opportunities (e.g. conferences, seminars and newsletters) and consider the value of including them on the relevant RAP or sub-group.</p>	<p>RAPs</p>
	<p>Strategies to build awareness and capacity of the urban development sector are included in local RAP adoption work plans</p>	<p>Ensure key champions and representatives within the sector have access to regular briefing notes / material either via CRCWSC executives or RAPs. Communication materials to be written in an appropriate language and target key issues such as evidence to drive innovation/best practice, appropriate costs and benefits to inform the development of business cases, how to manage risk and liability, and how to facilitate efficient development approval processes</p>	<p>RAE / RAPs</p>
<p>Identify strategies to build awareness and capacity of relevant regulator and approval agencies (e.g. Dept of Health, EPA, water regulators, development assessment), to accept WSC outcomes and principles in development projects.</p>	<p>Strategies to build awareness and capacity of the urban development sector are included in local RAP adoption work plans</p>	<p>Ensure key champions and representatives within regulatory and approval agencies have access to regular briefing notes / material either via CRCWSC executives or RAPs. Communication materials to be written in an appropriate language and target key information that provides the evidence to back up WSC strategies and technologies</p>	<p>RAPs / CRO</p>



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