

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 Sharon Dignard Proxy Water Corporation	Shelley Shepherd Essential Environmental	Ajay Shah KBR	Joanne Woodbridge Proxy Eastern Metropolitan Regional Council
Invitees			
Tony Wong Chief Executive Officer	Barry Ball Research Adoption Executive	Sonja Davidson CRSWSC Administrator	
Jurg Keller Chief Research Officer			
Apologies			





WESTERN Regional Advisory Panel

Meeting No. 24	<h2>Meeting Minutes</h2>	WA Trustees Building, L2, 133 St Georges Tce Board Room @ 8:00am
15/03/17		

Attendees		
John Savell – Housing Authority/CRCWSC EPRG Anas Ghadouani – UWA/ CRCWSC Western RED Emma Yuen – CRCWSC Regional Manager Mike Mouritz – CRCWSC Board Sonja Davidson – CRCWSC	Shelley Shepherd – New Water Ways Inc. Emma Monk – Department of Parks and Wildlife Ben Harvey - DoP Sylvia Tawfik – Monash	Antonietta Torre – DoW/CRCWSC EPRG Greg Ryan – LandCorp Sergey Volotovskiy - Water Corp Naomi Rakela– EMRC Peter Bach - Monash
Apologies		
Greg Claydon – DoW/CRCWSC Board – Inaugural Chair Nicholas Deeks – GHD	Peter Davies – UWA Bruce Young – UDIA Max Hipkins – City of Nedlands	Neil Burbridge – City of Armadale Ajay Shah – KBR Giles Pickard – City of Subiaco

Item No.	Agenda Topic	ATT
1.	<p>Welcome & Apologies</p> <p>The Chair Greg Claydon sends his apologies for this meeting. John Savell will act as meeting chair.</p> <p>The Chair opened the meeting at 8:07am and welcomed meeting attendees.</p> <p>The Chair acknowledged that Greg Claydon, Max Hipkins, Giles Pickard and Nick Deeks had sent their apologies.</p> <p>The Chair welcomed new Regional Manager, Emma Yuen to her first RAP meeting.</p> <p>The Chair welcomed to the RAP Department Parks and Wildlife member Emma Monk. Emma has previously worked at the Department of Water.</p> <p>The chair welcomed Sylvia Tawfik to the meeting; Sylvia is a Monash D6.1 Research Assistant and will be running an Evaluation workshop after the RAP meeting.</p> <p>The Chair advised Dr Peter Bach will phone into the meeting to give an overview on his upcoming research.</p> <p>The Chair thanked Sonja for the meeting preparation.</p>	
2.	<p>Record of Discussion</p> <p>The Record of Discussion from the last Regional Advisory Panel meeting held 18th January 2017 was noted and approved by Panel members.</p> <p>January Action 1: Mike Mouritz and Greg Claydon to contact the Department of Premier and Cabinet to gauge willingness to prepare WA submissions for the Smart Cities Fund.</p> <p>WA State Election Saturday 11 March. Update: The result is a Change in Government. The new cabinet has been announced: https://www.mediastatements.wa.gov.au/Pages/Search-By-Minister.aspx)</p> <p>March Action 1 Carry forward January Action 1 to next meeting.</p>	1



Item No.	Agenda Topic	ATT
	<p>January Action 3: Sonja to organise teleconference with Jamie Ewert, Anas, Emma Yuen, John & Antonietta to discuss Research Synthesis. Antonietta advised;</p> <ul style="list-style-type: none"> • Jamie Ewert to update CRC website to make information about Research Synthesis projects clear and consistent. • Paul McAllister from City of Gosnells advised the City is still keen to pursue Hester Park as a CRCWSC Research Synthesis project. <ol style="list-style-type: none"> 1. Determine if change of government will alter this decision 2. Suggests scoping possibility of adding synthesis day to immediately before or after WSC conference in July to save on travel costs. <p>March Action 2 Sonja to add agenda item to May meeting – Scoping option to host Hester Park Research Synthesis workshop immediately before or after WSC conference in July 2017.</p> <p>January Action 5: Greg Claydon and Mike Mouritz to confirm whether the CRCWSC’s IP consultant report will be distributed to the RAPs. Greg and Mike have requested the IP report. March Action 3 Emma Yuen to confirm with Barry Ball if IP consultant report will be distributed to RAPs.</p>	
3.	<p>CRC Executive</p> <p>Regional Executive Director Report</p> <ul style="list-style-type: none"> • Anas informed the RAP about the recent organisational change in the CRC WSC, by which The executive has transitioned to a smaller four-person executive team structure comprising the four executive positions of the Chief Executive Officer, Chief Research Officer, Chief Operating Officer and the Research Adoption Executive, In addition to being responsible for overseeing the day-to-day operation of the CRCWSC, the Executive team will also be responsible for setting the strategic direction of the CRCWSC, in consultation with a broader leadership team, and ultimately with the Board. • Anas will continue to be part of the broader leadership team which is made up of the remaining members of the former executive team, including Program Leaders, Regional Executive Directors and Strategic Stakeholder Engagement Directors. This new structure will enable us to further improve CRCWSC operations and our ongoing relationship with our research and industry participants. • As a member of the WA RAP Anas will continue his role of fostering stronger connection between the industry partners and the universities, as well as contributing to the overall CRC WSC by advising the executive team as part of the broader CRC WSC leadership team. Anas is also responsible for mentoring the Regional Manager in WA, a newly created role to drive the transition of WA cities and towns towards the integration of water sensitive cities principles. • Change in Government may affect the willingness of State Government agencies to be involved in the CRC due to bottom line costs. WRAP to focus on defining the <ul style="list-style-type: none"> ○ Needs of each agency ○ Who to contact – Priority Director Generals <p>March Action 4 Sonja to add Election Opportunities to May Agenda</p>	2
4.	<p>Regional Manager Report</p> <ul style="list-style-type: none"> • Staff and Regional Managers attending CRC Retreat 30-31 March in Victoria, which includes progressing the CRCWSC Strategic Plan 2017-21. • Tony Wong has established Think Tank <ul style="list-style-type: none"> ○ “What does a water utility of the future look like?” Paul Greenfield is 	



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	<p>taking the lead. SV offered to be involved and suggested WSAA Water Services Association of Australia as a contact. This will be a keynote talk at the July conference.</p> <ul style="list-style-type: none"> • Emma Yuen has held participant meetings over the past few months and in response to identified needs is developing; <ul style="list-style-type: none"> ○ a CRC overview document that explains how various activities fit together ○ A draft stakeholder map. • Key Issues – <ul style="list-style-type: none"> ○ How to transfer information coming out of the CRC to the stakeholders. ○ How can we bring the development sector into the CRC? Tony will be attending the UDIA Conference in the first week of April. ○ Water Sensitive Index – meeting scheduled to discuss cost effective methods of meeting strong interest in WSC Index in WA. <p>The Chair congratulated Emma Yuen on hitting the ground running.</p>	
5.	<p>CRCWSC Board Update</p> <ul style="list-style-type: none"> • Nominations Committee Meeting 10 February 2017– Nominations for Board Director nominated by the Other Participants close on 3rd April. Gap identified on Board – someone who provides the opportunity to engage with the Private Sector. March Action 5 Antonietta to forward Board Director nominations email to the WRAP • Next CRCWSC Board meeting 25 May 2017 	
6.	<p>CRCWSC T2 Advisory Committee Update The annual EPRG/Advisory Committee/Board/Executive meeting was held 2 February 2017 in Melbourne.</p> <p>Essential Participants Reference Group Update</p> <ul style="list-style-type: none"> • 2 February 2017 – feedback from annual meeting - WA delegates would have appreciated more time for discussion and strategic planning. 	
7.	<p>Water Sensitive Cities Virtual Reality Project ATTACHMENT 2 – meeting note 3</p> <p>Dr Peter Bach joined the meeting via conference call and updated attendees on his upcoming research that will better enable development of models, and a virtual reality computer game for planning of Green Urban Water Infrastructure.</p> <p>PB would like to interview (for 60 -90 minutes) a minimum 6, aspirational target 12, people, from Water Authorities, State agencies, Local Government and Industry to get varying viewpoints across industry</p> <p>PB has offered to deliver a Water Sensitive Toolkit Workshop whilst in WA. The WRAP requested a workshop on the micro climate component of the Toolkit.</p> <p>March Action 6: WRAP members to let Emma Yuen know if they are interested in being interviewed for Peter Bach’s Virtual Reality research project. Emma Yuen and Peter Bach will arrange interviews to be held in late April.</p> <p>March Action 7: Emma Yuen to arrange WSC Toolkit workshop to be held in late April</p>	3
8.	<p>Tranche 2 Update</p> <ul style="list-style-type: none"> • IRP1 Workshops #2 Day 1 Building a Business Case <ul style="list-style-type: none"> ○ Dr Sayed Iftekhar (IRP2) ran a couple of sessions covering economic data, and an economic evaluation matrix. 	



Item No.	Agenda Topic	ATT
	<ul style="list-style-type: none">○ Jamie Ewert ran through a session providing practical case studies on business cases and a session on empathy mapping.○ S V reported very good feedback from the Water Corp attendees.● IRP1 Workshops #2 Day 2 Developing Transition Strategy<ul style="list-style-type: none">○ A sub-team of the WSTN continued to work on the transition strategy and implementation plan for Perth using the Transition Dynamics Framework.● IRP3 Integrated Planning Workshop and IRP4 In-fill Developments Workshop<ul style="list-style-type: none">○ Workshops were held in Melbourne February 7 & 8.○ Discussions were held on whether to join IRP3 & 4 – it was decided to keep separate.<ul style="list-style-type: none">● Sergey advised that the Water Corporation would like to be involved on the steering committee. <p>March Action 8: Emma Yuen to seek advice on who will lead IRP3 and IRP4 steering committees and membership.</p> <p>March Action 9: Emma Yuen to circulate IRP3 and IRP4 workshop summaries.</p> <ul style="list-style-type: none">● IRP5 Groundwater National Scoping Workshop– Update<ul style="list-style-type: none">○ Workshop to be held in Perth 6th April○ Eloise will send out the invitations○ WA only IRP5 planning session 27th March. Sonja to coordinate this and send out invitations this week.	



Item No.	Agenda Topic	ATT
	March Action 14: WRAP to forward 1 page proposals for conference tours to Emma Yuen by 17 March	
	Tranche 1 Update	6
11.	B1.2 Catchment Scale Landscape Planning for Water Sensitive Cities in an Age of Climate Change (Project Leader Darryl Low Chow, WRAP contact Ben Harvey)	
12.	B2.23 Protection and restoration of urban freshwater ecosystems: informing management and planning (Project Leader Peter Davies, WRAP contact Antonietta Torre)	6
13.	B2.4 Hydrology and Nutrient Transport Processes in Groundwater/Surface Water Systems (Project Leader Carolyn Oldham, WRAP contact Antonietta Torre)	6
14.	B4.2 Social-Technical Flood Resilience in WSC – Adaption across spatial & temporal scales. (Project Leader Richard Ashley, PhD Student Amar Nanda, WRAP contact Nominations Neil Burbridge)	6
15.	B5.1 Statutory Planning for Water Sensitive Cities (Project Leader Barnaby McIlrath, PhD Don Williams, WRAP contact Ben Harvey) March Action 15: Antonietta to contact Barnaby McIlrath to check whether there is opportunity for the WRAP to provide feedback on the draft B5.1 recommendations and timeline for publication of final report.	6 & 7
16.	C5.1 Intelligent urban water systems (Project Leader Rachel Cardell-Oliver WRAP Contact Sergey Volotovskiy)	6
17.	D1.4 ‘Learning through Integration and Demonstration’ (Project Leader Celeste Morgan, WRAP contact Antonietta Torre)	6
18.	D5.1 Urban intensification and green infrastructure: towards a water sensitive city (Project Leader Diego Romirez-Lovering, WA led by - Geoffrey London (UWA) WRAP contact Greg Ryan) <ul style="list-style-type: none"> Geoffrey London has been invited to present at IRP 4 Workshop. 	
	Tranche 2 Update	
19.	IRP1 WSC Transition Strategy and Implementation Plans (Project Leader Briony Rogers, WA Regional Representatives Don Crawford and Cara Bourne) <ul style="list-style-type: none"> See minuted item 8 	
20.	IRP2 Comprehensive Economic Evaluation Framework (Project Leader Sayed Iftekhar, WRAP contact Naomi Rakela)	6



Item No.	Agenda Topic	ATT
21.	IRP3 Evidence –based integrated urban planning across different scales (Project Leader to be decided, WRAP Contact Ben Harvey) <ul style="list-style-type: none"> See minuted item 8 	
22.	IRP4 Achieving water sensitive outcomes for in-fill developments (Project Leader to be decided, WRAP contact Greg Ryan) <ul style="list-style-type: none"> See minuted item 8 	
23.	IRP5 Managing high groundwater under urban development (Project Leader to be decided, WRAP contact Emma Yuen) <ul style="list-style-type: none"> See minuted item 8 	
24.	WSC Tools & Products (TAP) (Project Leaders Jurg Keller & Christian Urich, WRAP Contacts Nick Deeks, Giles Pickard) <ul style="list-style-type: none"> TAP1 - WSC Index TAP2 - WSC Integrated Modelling tool kit TAP3 - DanCE4Water modelling tool kit A Steering Committee for the TAPs program has been established. A draft program proposal will be sent to the EPRG and RAPs for comment before being presented to the CRCWSC Board for endorsement at the February 2017 Board meeting. 	
25.	Knowledge Transition Tools and Services (KATS) (Project Leader Barry Ball, WRAP contact Shelley Shepherd) Capacity Building Collaboration - New WAtER Ways & CRCWSC <ul style="list-style-type: none"> See minuted item 9 And attachment 6 	6
26.	Research Synthesis <ul style="list-style-type: none"> See minuted item 2 	
27.	General Business <ul style="list-style-type: none"> Greg Claydon and WRAP happy to continue with Project updates. Watching brief to check on value. Calendar of Events July WRAP meeting date change agreed to 26 July 2017. Greg Claydon has advised he will unavailable for this meeting. John Savell to Chair. March Action 16: Sonja to update WRAP July calendar invites 	8
28.	Standing Items <ul style="list-style-type: none"> Western RAP Opportunities for Influence Engaging Stakeholders Group discussion on how best to set the agenda for the CRC WSC in WA <ul style="list-style-type: none"> WaterCorp has appetite to engage more with the CRC. <ul style="list-style-type: none"> MM has presented Transition Strategy and T1 outputs to Mike Hollett WSTN and Community Engagement sub- committee create the narrative for change Urban water R&D agenda – GC and MM are interested on how to use this to create a conversation with other WA Universities. Beyond the CRC 2021 – Resources need to be found for long term change. Department of Water – Mike Rowe – Encouraging ministers and CEO's to be 	



Item No.	Agenda Topic	ATT
	<p>involved in the conference. He will host keynote 1.</p> <ul style="list-style-type: none">• Priority: Contact new ministers and Director Generals to share the CRCWSC strategic plan.• Frugal Innovation – possibility of less money from State Govt for the CRC	
29.	<p>Correspondence In and Out None to record</p>	
30.	<p>Close: the meeting closed at <i>9:45am</i> and the Chair thanked everyone for their attendance.</p> <p>Date of next meeting: 17 May 2017</p>	

Actions	Description	Who	When
1.	Mike Mouritz and Greg Claydon to contact the Department of Premier and Cabinet to gauge willingness to prepare WA submissions for the Smart Cities Fund	Greg Claydon, Mike Mouritz	Carry forward to May
2.	Sonja to add agenda item to May meeting – Scoping option to host Hester Park Research Synthesis workshop immediately before or after WSC conference in July 2017.	Sonja Davidson	17 May 17
3.	Emma to confirm with Barry Ball if IP consultant report will be distributed to RAP.	Emma Yuen	
4.	Sonja to add Election Opportunities to May Agenda	Sonja Davidson	17 May 17
5.	Antionietta to forward Board Director nominations email to the WRAP	John Savell	
6.	WRAP members to let Emma Yuen know if they are interested in being interviewed for Peter Bach's Virtual Reality research project. Emma Yuen and Peter Bach will arrange interviews to be held in late April.	Emma Yuen	
7.	Emma Yuen to arrange WSC Toolkit workshop to be held in late April	Emma Yuen	
8.	Emma Yuen to seek advice on who will lead IRP3 and IRP4 steering committees and membership.	Emma Yuen	
9.	Emma Yuen to circulate IRP3 and IRP4 workshop summaries	Emma Yuen	23 March
10.	All to provide comments on WA Communication and Adoption Work Program to Shelley Shepherd	Sonja Davidson	
11.	Emma Yuen to confirm with Barry Ball the Capacity Building Budget for July 17- Jun 18.	Emma Yuen	
12.	Invite Community Engagement Sub-Committee to meet with Tracy Shultz.	Sergey Volotovskiy	
13.	Sonja to advise Tony Wong of Sergey's request for information on Keynote 3	Sonja Davidson	23 March



Actions	Description	Who	When
14.	WRAP to forward 1 page proposals for conference tours to Emma Yuen by 17 March	ALL	17 March
15.	Antonietta to contact Barnaby McIlrath to check whether there is opportunity for the WRAP to provide feedback on the draft B5.1 recommendations and timeline for publication of final report.		
16.	Sonja to update WRAP July calendar invites	Sonja Davidson	23 March
Standing Item	All WRAP members to forward to Sonja details of events that would be of interest to Western Region WSC and Sonja will keep the calendar up to date	All	ongoing
Standing Item	The Panel to share experiences from meetings and engagements with others in the industry.	All	ongoing



Western Regional Advisory Panel

Meeting No.
[25]

Attachment 2

17/05/2017

Agenda Item 3

Action from previous minutes

Legend
Done
Not Done
Deferred
On Agenda

Actions	Description	Who	When
1.	Mike Mouritz and Greg Claydon to contact the Department of Premier and Cabinet to gauge willingness to prepare WA submissions for the Smart Cities Fund	Greg Claydon, Mike Mouritz Emma Yuen	Item 8
2.	Sonja to add agenda item to May meeting – Scoping option to host Hester Park Research synthesis workshop immediately before or after WSC conference in July 2017	Sonja Davidson	Item 14
3.	Emma to confirm with Barry Ball if IP consultant report will be distributed to RAP.	Emma Yuen	Item 8
4.	Sonja to add Election Opportunities to May Agenda	Sonja Davidson	Item 9
5.	Antonietta to forward Board Director Nominations email to the WRAP	Antonietta Torre	Item 8
6.	WRAP members to let Emma Yuen know if they are interested in being interviewed for Peter Bach's Virtual Reality research project. Emma Yuen and Peter Bach will arrange interviews to be held in late April.	Emma Yuen	Item 8
7.	Emma Yuen to arrange WSC toolkit workshop to be held in late April	Emma Yuen	Item 8
8.	Emma Yuen to seek advice on who will lead IRP3 and IRP4 steering committees and membership.	Emma Yuen	Item 8





Actions	Description	Who	When
9.	Emma Yuen to circulate IRP3 and IRP4 workshop summaries	Emma Yuen	Item 8
10.	All to provide comments on WA Communication and Adoption Work Program to Shelley Shepherd	Shelley Shepherd	Item 11
11.	Emma Yuen to confirm with Barry Ball the Capacity Building Budget for July 17- Jun18	Emma Yuen	Item 6
12.	Emma Yuen to confirm with Barry Ball the Capacity Building Budget for July 17- Jun 18...	Emma Yuen	Item 11
13.	Invite Community Engagement Sub-committee to meet with Tracy Schultz	Sergey Volotovskiy	
14.	Sonja to advise Tony Wong of Sergey's request for information on Keynote 3	Sonja Davidson	23 March
15.	WRAP to forward 1 page proposals for conference tours to Emma Yuen by 17 March	ALL	17 March
16.	Antonietta to contact Barnaby McIlrath to check whether there is opportunity for the WRAP to provide feedback on the draft B5.1 recommendations and timeline for publication of final report.	Antonietta Torre	Item 8
17.	Sonja to update WRAP July calendar invites	Sonja Davidson	23 March
Standing Item	All WRAP members to forward to Sonja details of events that would be of interest to Western Region WSC and Sonja will keep the calendar up to date	All	ongoing
Standing Item	The Panel to share experiences from meetings and engagements with others in the industry.	All	ongoing





Western Regional Advisory Panel		
Meeting No. [25]	Attachment 4	
17/05/2017		

Agenda Item 8	
<p>We have posted the IRP5 Workshop summary notes on our website.</p> <p>Please click here to access.</p>	

IRP3 Project Steering Committee

	Nominat ed by	RAP/Re gion	Name	Organisation	Category	Comment
Industry	RAP	WA	Ben Harvey	Dept of Planning	State Govt	
			Shelley			
	RAP	WA	Shepherd	urbaqua	Consultant	
			Darren	City of Greater		
	RAP	VIC	Wilson	Dandenong	Local Govt	
			Andrew			
	RAP	VIC	Chapman	South East Water	Utility	
			Sarah	Melbourne		
	RAP	VIC	Watkins	Water	Utility	RAP contact Rhys Coleman
Research			John			RAP contact Garry Henderson
	RAP	QLD	O'Dwyer	KBR	Consultant	
			David	Hornsby City		
	RAP	NSW	Beharell	Council	Local Govt	
			Mellissa	WaterSensitive		
	RAP	SA	Bradley	SA	Capacity Building/utility	to be confirmed
			Chris			
	Exec	VIC	Chesterfield	CRCWSC		Nominated as project leader
			Steven			
Exec	QLD	Kenway	UQ	University		
		Darryl Low				
Exec	QLD	Choy	Griffiths	University		
		Brian Head	UQ	University	to be confirmed	
		Barneby				
Exec	VIC	Mcllroy	Maddox	Consultant/T1 researcher		
RAC member	RAC		Paul Greenfield	CRCWSC-Advisory Committee		

IRP4 Project Steering Committee

	Nominated by	RAP/Region	Name	Organisation	Category	Comment
Industry	RAP	WA	Nic Temov (proxy Matt Stack)	Dept Planning	State Govt State Govt/developer	RAP contact Ben Harvey
	RAP	WA	Greg Ryan	LandCorp South East	Utility	
	RAP	VIC	Pam Kerry	Water	Utility	
	RAP	VIC	Cintia Dotto	WaterTech City West	Consultant	
	RAP	VIC	Nigel Corby	Water	Utility	
	RAP	QLD	Kieron Breadmore	BCC	Local Govt	
	RAP	SA	Mellissa Bradley	WaterSensitive SA	Capacity Building/utility	
	RAP	NSW	Sadeq Zaman	Inner West Council	Local Govt	
	CRCWSC Exec	NSW	Lisa McLean	Flow Systems	Technology provider/utility	to be confirmed
	Research	CRCWSC Exec	QLD	Steven Kenway	UQ	University
CRCWSC Exec		WA	Alex Gardner	UWA	University	representing D5.1 project team
CRCWSC Exec		WA	Geoffrey London	UWA	University	
CRCWSC Exec		VIC	Nigel Tapper	Monash	University	
CRCWSC Exec		QLD	Zhiguo Yuan	UQ	University	
RAC member	RAC		Peter Newton	CRCWSC-Advisory Committee		



Quarterly Participants' Update

March 2017



Australian Government
Department of Industry,
Innovation and Science

Business
Cooperative Research
Centres Programme

2 | Quarterly Participants Update

Quarterly Participants' Update

March 2017

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About this document

This Quarterly Participants' Report provides an update on CRCWSC activities during the past quarter and progress in delivering its programs.

It is based on the reports provided to the CRCWSC Board at its last meeting and provides links to the detailed Research Program and Research Project Reports on the CRCWSC website for readers seeking further information on individual projects.



1. Communiqué from the Board

Chairman – Cheryl Batagol

2017 is off to a very positive start at the CRCWSC with some exciting local and overseas examples of practical application of our first tranche of research projects. We are commencing our second tranche of research projects and have had some important discussions about our future.

1.1 2017 Strategic Workshop

On 2 February 2017 the Board, Essential Participants, and the CRCWSC Advisory Group met with the CRCWSC Executive and Leadership Group to review the CRCWSC's progress and future priorities. It was a successful day with good participation and constructive discussion. An important output was the endorsement of the delivery approach for our second tranche of research and adoption projects. The extensive engagement process used to develop Tranche 2 was also acknowledged.

Endorsement was also received for the CRCWSC to actively pursue avenues to continue beyond 2020/21. This is also an important element of the Transition Plan required by our agreement with the Commonwealth Government.

After the workshop we received some constructive feedback on opportunities to improve future strategic discussions and our engagement with our participants and stakeholders. This feedback was discussed at Board level and has been helpful in designing the engagement process for developing the new Strategic Plan and 2017/18 Operating Plan (see COO's report below).

1.2 Board activities

February was a busy month for the Board with meetings of the Audit & Risk Committee, the Nominations Committee and the full Board. The Board has also been trialing greater use of video conferencing to improve effectiveness and reduce costs.

The Audit Committee noted that the CRCWSC's financial position was strong and within agreed parameters.

The Nominations Committee reviewed the process of electing of three Board positions:

- Chairman of the Board, nominated by Essential Participants
- Board member, nominated by Essential Participants and currently held by Kerry Stubbs
- Board member, nominated by Other Participants and currently held Dominic Dolan.



2. Chief Executive Officer's Report

2.1 Highlights

- Our Chairman was invited to accept an Honorary Doctorate in May 2017 by Monash University.
- A successful two-day benchmarking workshop with senior officers from a new CRCWSC Other Participant, Gold Coast City Council (which includes Gold Coast Water).
- A very successful two-day research development workshop with participants and other stakeholders to scope IRP3 and IRP4.
- The seamless transition of COO function with Ben Furmage commencing his seconded role at the CRCWSC on 18 Jan 2017.
- Successful launch of the Water Sensitive Slum Revitalisation project with the Wellcome Trust.
- A very successful trade mission to Kunshan sponsored by the Victorian Government (Liveability Victoria International) and Commonwealth Government (Australian Water Partnership) involving 11 companies. The three-day mission provided tangible opportunities for Business-to-Business matching to support the City of Kunshan's ambitious >AUD\$600million sponge city capital works program.

2.2 Business development

2.2.1 Gold Coast

A successful two-day benchmarking workshop with senior officers from new CRCWSC Other Participant, Gold Coast City Council (which includes Gold Coast Water). The workshop used the WSC Index and resulted in the CRCWSC being commissioned to deliver a full-scale visioning and transition planning process to inform the development of the Gold Coast Water Strategy.

2.2.2 Department of Environment, Land, Water and Planning (DELWP), Victoria

The CRCWSC continues to engage with DELWP in identifying opportunities to support implementation of the State's water plan, Water for Victoria. For example, CRCWSC can add value to the establishment of integrated water management forums in Metropolitan Melbourne and some regional catchments in relation to:

- water sensitive cities envisioning
- water sensitive cities indexing
- research synthesis of context specific water sensitive solutions.

2.2.3 Wellcome Trust Project Launch

The Hon. Josh Frydenberg MP, Minister for the Environment and Energy, launched the project of the Water Sensitive Slum Revitalisation project at Monash University. The launch received extensive press coverage across the print, radio and television media and coincided with a similar announcement in London by the Wellcome Trust.

2.2.4 Trade mission to Kunshan – 13-15 February 2017

A delegation of 27 people representing 11 Australian companies (including one Essential Participant and five CRCWSC SME Associates) travelled to Kunshan, China for this trade mission. The purpose of the mission was to form business collaboration with Chinese companies pre-selected by the City of Kunshan to deliver on an ambitious sponge city capital works program valued at over AUD\$600million over the next three years. More than 300 projects have been identified by the City of Kunshan, ranging from new and retrofitting urban development, pipeline upgrading, flood infrastructure, roads, parkland development, and waterway restoration.

This event was hosted by the Victorian Government and the Australian Government together with the City of Kunshan who jointly financed the event.

The Mayor of Kunshan opened proceedings followed by the Deputy Director of the Jiangsu Department of Housing and Urban-Rural Development. The proceedings of the first day and a half involved presentations from the City of Kunshan (and its consultants) on the challenges facing the city in urban water management and the city's broader sponge city masterplan. This was then followed by presentations from the Australian delegation, showcasing their particular expertise and experience. These companies represented three categories of services:

- Urban water system analysis and modelling, and engineering and ecological design
- Urban design and landscape architecture
- Water sensitive technologies and products.

On the 2nd day, the City of Kunshan presented its capital works plan for 2017-2018. This provided the framing of business-to-business discussions in the afternoon.

It was a very successful mission with all of the companies reporting they have secured important leads and realistic opportunities for business in Kunshan.

2.2.5 Victoria-Jiangsu MoU on Ecological and Sponge City Development Cooperation

A Jiangsu Government delegation led by the Governor of Jiangsu travelled to Melbourne in late March to execute an MoU to strengthen collaboration on sponge city initiatives and establish a Sponge City Innovation Park and Technology Validation Facility in China. As part of its visit, the delegation toured South East Water's Aquarevo urban development.

2.2.6 Australia-China Sponge City Innovation Park

The City of Kunshan has allocated a 10 Ha site to be converted into a “sponge city innovation park” that will showcase emerging Australian water sensitive cities technologies.

The CRCWSC has been commissioned to develop the masterplan for the park. A local design institute will then be engaged to design and oversee construction. The masterplan will include demonstration of green technologies such as constructed surface and sub-surface wetlands for stormwater and wastewater treatment respectively, biofilters at a range of scales (building, green walls, roadside and precinct), pressure sewers and smart tank systems, and greywater harvesting and treatment systems.

The CRCWSC has been invited to develop a framework for the Innovation Park to operate in unison with the hydraulic laboratory such that there is a combined facility for validation of emerging (Australian-based) technologies for application in China.

The City of Kunshan will construct a park reception and information centre. The CRCWSC has been asked to provide input to the architectural design specifications and may occupy the space as its first China office.

2.3 Our long term vision and constructive culture

As part of the process of reviewing our Strategic Plan the COO and I will be meeting with Participants in the next quarter to seek their views on the opportunities and challenges in bringing our shared vision of Water Sensitive Cities to life. We are keen to understand how the CRCWSC can assist in responding to these issues. This is also an opportunity to check on progress achieved to date and lessons for the future.

Our research consistently shows that collaboration is critical to achieving the changes needed to improve city water sensitivity. The CRCWSC team is working on its culture to ensure it models these behaviors. We are developing a set of organisational values that define how we work with others and each other. Participant views will be a valuable input to this.



3. Chief Operating Officer's Report

3.1 Highlights

- The Strategic Plan review and 2017/18 Operating Plan development are progressing well and will see further Participant involvement prior to finalisation.
- All period reporting requirements have been met.
- Culture and capability discussions and improvement actions are underway.
- The Q2 financial position is sound and we have commenced the 2017/18 budget process earlier than previous years.

3.2 Strategic and Operating Plans

The 2014/15 – 2016/17 Strategic Plan provided the context and high-level direction used to deliver the CRCWSC's first tranche of research projects. This Strategic Plan will sunset on 30 June 2017. A new Strategic Plan (2017/18 – 2020/21) provides an opportunity to:

- Reaffirm our commitment to our long term vision for water sensitive cities
- Update and restate the key challenges facing our cities and their regions
- Note the CRCWSC's mission to support governments, businesses and communities respond to these challenges
- Highlight the positive contribution the CRCWSC has already made
- Outline why the CRCWSC needs to evolve its approach over the next four years to:
 - Expand the practical application of WSC principles within Australia and overseas
 - Increase knowledge so that Australia maintains its position of international leadership
 - Position the CRCWSC to leave an enduring legacy.

A Strategic Plan can play a valuable role in ensuring alignment of purpose, effort and communications inside and outside the organisation. This is particularly important for an organisation like the CRCWSC where virtual teams and collaboration are critical to success. Genuine and effective engagement is essential to developing the Plan.

Proposed next steps for consultation on the Plan are:

- Board and Executive input to Strategic Plan key messages, table of contents, and proposed changes relative to the current Strategic Plan (completed – February 2017)
- Board to endorse the proposed structure and content of the 2017/18 – 2020/21 Strategic Plan (completed – February 2017)
- Comments on Draft Strategy by the Executive and staff, EPRG and Advisory Committees and key stakeholders (March/April)
- Finalise the Strategic Plan following Board review (May/June)
- Communicate the Final Strategy and 2017/18 – 20/21 Operating Plan (July).

The Operating Plan and Budget will be developed in parallel with the Strategic Plan and will be discussed with the Essential Participant Reference Group (EPRG) and Advisory Committee prior to their submission to Board in June.

3.3 Engagement with the Commonwealth Government

The Department of Industry Innovation and Science has written to the CRCWSC acknowledging receipt of our 2015/16 Commonwealth Annual Report. The Department commended the CRCWSC's progress with research and utilisation milestones and noted our strong financial position.

The CEO and (former) COO have also attended a teleconference with our CRC Programme Liaison Officer to discuss potential amendments to the Commonwealth Agreement. The 2nd February 2017 strategic workshop involving the EPRG, CRCWSC Advisory Committee, Board, Executive and Leadership Group endorsed the proposed Tranche 2 program and agreed that the Commonwealth Agreement be updated accordingly. Management will continue to work with the Department with the aim of finalising the variation to the Agreement by April in time for FY 2016/17 reporting.

3.4 Project Agreements

Formal Agreements supporting Regional Project 9.1: ABC Waters Evaluation and Modelling involving the Public Utilities Board (Singapore), the National University of Singapore, Monash University and the CRCWSC have been finalised and work commenced.

3.5 CRCWSC Partners

As at the end of Q2 2016/17, the CRCWSC had 80 partners – 8 Essential Participants, 60 Other Participants and 12 SMEs. No new partners joined during the reporting period.



4. Chief Research Officer's Report

4.1 Highlights

- Tranche 1 projects are approaching completion.
- Tranche 2 projects are being initiated.
- A program of Tools and Products arising from Tranche 1 research is being developed to assist practical application of WSC principles.

This quarter we have the first reports of the new IRP1 project together with the Program Leaders Summary reports from Programs A, B and C (Program D has been completed in the previous FY).

As more Tranche 1 projects enter the final quarters, some ongoing small extensions have been requested to complete final deliverables or accommodate PhD students who are yet to submit their thesis. These are only approved if there are strong justifications.

The overall project finance situation is still positive, although we have observed under-expenditure in the new IRP1 project and in the B2.2/3 project. In both cases this is related to timing issues that will likely be rectified in future quarters.

4.2 Tranche 1 Project Progress

Highlights for the three remaining Tranche 1 Programs in the last quarter include:

- There is a strong focus on completing remaining milestones and deliverables, with a significant level of outputs expected in the next two quarters. Program C as an example, has delivered 78 of 101 milestones to date and is on track to deliver most of the remaining milestones in the next two quarters.
- The level of active industry engagement and communication remains very high. This is further supported by several key conference presentations (IWA World Water Congress in October in particular), as well as paper publications and active involvement in seminars and workshops.
- Several projects are testing their outputs in collaboration with industry partners and have started to explore possible future activities which could be developed further through the Tools and Products (TAP) or Knowledge Application and Translation Services (KATS).

4.3 Progress on Tranche 2 project developments

The first of the Integrated Research Projects (IRP1, Transition strategies and implementation plans) started in this quarter and strong progress has already been achieved. There are significant expectations from the Regional Advisory Panels which the project team are managing to ensure strong progress and significant deliverables in the first three quarters (by June 2017). This project has also created some additional opportunities, with a separate, fully-funded transition strategy being delivered for Gold Coast City Council in conjunction with the CRCWSC's Business Development group.

IRP2 (Economic evaluation framework) has started planning and recruitment activities following Board approval in November 2016 and will ramp up in Q3.

IRP3 (Integrated planning) and IRP4 (In-fill developments) have moved to full project scoping and development in last part of Q2, with two full-day workshops held in Melbourne in February 2017. Project Steering Committees are being created to scope the proposal before the formal review process by Advisory Committee and EPRG and Board submission. Timing for a completion of this process before the May 2017 Board meeting is tight and one or both projects may be deferred by one quarter to ensure strong proposals are presented to the Board.

IRP5 (Groundwater impacted developments) will need a scoping workshop similar to other IRPs, and this is planned for early April.

Tools and Products (TAPs) sub-program activities have been collated based on the outcomes from the intellectual property review reported in previous quarter. An outline of the overall sub-program is being prepared for discussion with the Project/sub-program Steering Committee. Following further consultation, this subprogram will undergo review by the Advisory Committee and EPRG in April for Board consideration at the May meeting.

4.4 Program and Project Reports

The Program Leader Reports from the last quarter are linked below:

- [Society \(Program A\)](#)
- [Water Sensitive Urbanism \(Program B\)](#)
- [Future Technologies \(Program C\)](#)

The individual projects reports from the last quarter are linked below:

- [Understanding social processes to achieve water sensitive futures \(Project A2.1\)](#)
- [Accelerating transitions to water sensitive cities by influencing behaviour \(Project A2.2\)](#)
- [Engaging communities with water sensitive cities \(Project A2.3\)](#)
- [Better regulatory frameworks for water sensitive cities \(Project A3.2\)](#)
- [Strategies for influencing the political dynamics of decision-making \(Project A3.3\)](#)
- [Catchment scale landscape planning for water sensitive city-regions in an age of climate change \(Project B1.2\)](#)
- [Protection and restoration of urban freshwater ecosystems: informing management and planning \(Project B2.23\)](#)
- [Hydrology and nutrient transport processes in groundwater/surface water systems \(Project B2.4\)](#)
- [The design of the public realm to enhance urban microclimates \(Project B3.2\)](#)
- [Social-technical flood resilience in water sensitive cities – quantitative spatio-temporal flood risk modelling in an urban context \(Project B4.1\)](#)
- [Social-Technical Flood Resilience in Water Sensitive Cities – Adaptation across spatial & temporal scales \(Project B4.2\)](#)
- [Statutory planning for water sensitive cities \(Project B5.1\)](#)
- [Fit-for-purpose water production \(Project C1.3\)](#)
- [Resource recovery from wastewater \(Project C2.1\)](#)
- [Managing interactions between decentralised and centralised water systems \(Project C3.1\)](#)
- [Integrated multi-functional urban water systems \(Project C4.1\)](#)
- [Intelligent urban water systems \(Project C5.1\)](#)
- [Learning through demonstration and integration \(Project D1.4\)](#)
- [Water Sensitive Cities Modelling Toolkit \(Project D1.5\)](#)
- [Urban intensification and green infrastructure: towards a water sensitive city \(Project D5.1\)](#)
- [Water sensitive city transition strategies and implementation plans \(IRP1\)](#)
- [Economic Evaluation of ABC Water Design Features Implemented by Private Sector and Public Agencies \(IRP2.2\)](#)



5. Research Adoption Executive's Report

5.1 Highlights:

- CRCWSC ran a series of workshops, technical sessions and business development meetings at the International Water Association's World Water Congress.
- Visit to Melbourne by a delegation from Kunshan, including Mayor Shen, to showcase on-ground implementation and to present the CRC International Leadership Award to Director Zhou.
- The Elster Creek Working Group met to develop a shared understanding of the initiatives being undertaken in the Elster Creek Catchment to inform a whole-of-catchment water management approach.
- A WSC Index Benchmarking Workshop was held with the Gold Coast City Council. This workshop has led to the expansion of the project to the development of a WSC Transition Strategy for Gold Coast City.
- CRCWSC has committed to co-fund the SPLASH Co-ordinator role in NSW to ensure the CRCWSC maintains our strong Local Authority support base and to coordinate and integrate common programs of activities.
- The Advisory Committee has been asked to develop 'Position Papers' on strategic water sensitive city topics. The Committee will consider this role and identify potential 'Position Paper' topics at its April meeting.
- The Program for the WSC Conference in July 2017 has been developed in consultation with members of the Western Australian RAP. Registration for the conference is now open.
- Discussions have been progressing with WaterSecure to collaborate through Water360 to develop communication and education products as well as a visualisation tool.

5.2 Regional Advisory Panel Update

The Regional Advisory Panels have progressed their regional advocacy and capacity building activities, including the selection of representatives for the IRP3 and IRP4 workshops. The following is the current status of their operations:

5.2.1 WA Regional Advisory Panel

- Emma Yuen has begun a program of engagement with WA participants and stakeholders to understand their needs and to identify opportunities for the take-up of CRCWSC outputs.

5.2.2 Victorian Regional Advisory Panel

- The Local Government participants have met with the RAP Chair and CRCWSC Executive to discuss a number of issues including local government engagement and return on investment.
- The RAP has put a process in place for the appointment of the RAP Chair.

5.2.3 Qld Regional Advisory Panel

- Chris Tanner has commenced in his role with a focus of engagement with the land planning and development sector.

5.2.4 NSW Regional Advisory Panel

- Funding commitments have been made by number of Local Authorities in the Greater Sydney Region to join the current SPLASH network.
- CRCWSC has committed to co-fund the SPLASH Co-ordinator role to ensure the CRCWSC maintains our strong Local Authority support base and to coordinate and integrate common programs of activities.

5.2.5 SA Regional Advisory Panel

- The WaterSensitive SA Coordinator, Mellissa Bradley has agreed to expand her role to include the CRCWSC Regional Manager's capacity building and operational functions. Like the NSW arrangement, this will provide a more effective mechanism for the uptake of CRCWSC products through an already established and credible forum.

5.2.6 Key Regional Advisory Panel Issues going forward

- Ensuring that the Regional Advisory Panels have the representation from both the appropriate institution as well as the membership with the appropriate level of seniority to proactively progress the WSC outcomes within their organisation.
- Co-funding of Regional Managers to ensure a stronger ownership of the WSC program at the regional scale and to establish the foundation for a self-sustaining mechanism post the CRCWSC.

5.3 Research Adoption Strategy

The actions in the Research Adoption Strategy are on-track. The Strategy will be reviewed and updated during Q4 to reflect the 2017-21 Strategic Plan and Operational Plan.

5.4 Influence Plan

The Advisory Committee has been invited to lead the development of a series of 'Position Papers'. The Committee will consider how to undertake this role and identify potential 'Position Paper' topics at its April meeting.

There is an opportunity to provide strategic leadership on a topic both at the July 2017 WSC Conference and the Stockholm World Water Week at the end of August 2017. The suggested high priority topic is 'Utility of the Future' which has been supported in informal discussions with the Chair and some members of the Advisory Committee.

5.5 Knowledge Application & Translation Services

A draft Education and Training Strategy has been developed and is currently being reviewed by the Executive. The Strategy will be an input into the 2017-21 Operational Plan.

5.6 Project D1.4 – Learning through Demonstration and Integration

A survey was conducted with industry participants to gain feedback on how industry could best use case studies as learning tools and to also suggest appropriate case studies. These case studies will begin to be published on over the next quarter.

The Bentley Green Wall (WA) and Adelaide Airport (SA) have been selected as Demonstration Projects.

5.7 Stakeholder Engagement

The key points are:

- Visit to Melbourne by a delegation from Kunshan, including Mayor Shen, to showcase on-ground implementation and to present the CRC International Leadership Award to Director Zhou.
- The Elster Creek Working Group met to develop a shared understanding of the initiatives being undertaken in the Elster Creek Catchment to inform a whole-of-catchment water management approach. Attendees included: City of Kingston, City of Port Phillip, Bayside City Council, DELWP, MW, SEW.
- A meeting was held with Coliban Water to discuss future collaboration opportunities and potential CRCWSC membership.
- The Victorian Transition Strategy Committee, a sub-committee of the VIC RAP, met for the first time to discuss the development of the WSC Transition Strategy and Implementation Plan for Victoria. The committee representatives are: GHD, DEWLP, SEW, MVCC.
- The CRCWSC ran a series of workshops, technical sessions and business development meetings at the International Water Association's World Water Congress and Exhibition. The CRCWSC took part in the Knowledge and Research pavilion and led a number of talking space topics. Dr Sandra Hall, Regional Executive Director, was announced as a Fellow of the International Water Association.
- Professor Tony Wong presented at the 2nd Smart Cities Asia Conference.
- A number of meetings were held on the Revitalisation of Informal Settlements and Economy in the Greater Suva Area.
- Presentations were made to the respective key stakeholders for South Bank, Brisbane and UQ St Lucia Research Synthesis workshops. These workshops and reports have received significant praise and have initiated further engagement discussions.
- A Tianjin delegation met with DELWP and the CRCWSC to present on work being undertaken in Kunshan.
- Professor Anas Ghadouani appeared on Garden Gurus in Perth to discuss climate variability and water sensitive practices.

- Professor Tony Wong travelled with an ADB Mission to Makassar to meet with the Vice President for Knowledge Management.
- Professor Tony Wong and Kerrie Burge were part of an ADB Mission to Manila, including presentations to the Southeast Asia Department (SERD) and the Pacific Department (PARD).
- Professor Rob Skinner, Professor Tony Wong and Jamie Ewert met with DELWP to discuss the CRCWSC role in the implementation of the Victorian Water Plan.
- Jianbin Wang delivered 3 presentations at water sensitive city seminars in Taiwan at the Cheng Kung University.
- WSUD scoping meeting was held with staff of University of Nottingham-Ningbo, China (UNNC).
- A workshop with councils in Adelaide on the Water Sensitive Cities Toolkit and its urban heat mapping capabilities leading to strong interest amongst councils to apply the tool to develop their tree/green infrastructure strategies.
- A workshop was held with Sydney councils, Sydney Water and the CRCWSC to develop the SPLASH Business Plan.

5.8 Water Sensitive Cities Index

There is growing national and international interest in the WSC Index. The following WSC Index benchmarking and engagement activities is occurring in addition to the WSC Transition Strategies in IRP1 project.

5.8.1 In Western Australia:

- To date the Index has been used to benchmark the cities of Swan, Subiaco and with the City of Mandurah to follow.
- Discussions are in train with stakeholders including WALGA, EMRC, Water Corp and DoW regarding proposals to implement the Index with local government. This includes incorporating the Index into the Water Corp's 'Waterwise Councils' program and funding councils to undertake benchmarking using the Index.

5.8.2 In Victoria:

- Benchmarking using the WSC Index with the City of Moonee Valley
- Benchmarking of the Melbourne Metropolitan area with multiple water industry and state and local government stakeholders. The results are being incorporated into the water supply strategies for Melbourne that will be completed in March 2017.
- Working with DELWP on a proposal to fund a number of local governments in Melbourne's south-east to undertake Index benchmarking.

5.8.3 In Queensland:

- The CRCWSC has been engaged under a significant commercial contract by Gold Coast Water/City of Gold Coast to deliver the Index as part of a project to develop a Gold Coast Water Strategy.

5.8.4 International Interest:

- Early discussions have taken place with groups in Canada and the USA
- A Monash University research project in Indonesia will use the Index for two cities in partnership with several Indonesian Universities
- In Europe, interest in the Index has also been expressed by Climate Active Cities (CATCH), a network of 8 cities in 7 countries in the North Sea region.

5.9 Research Synthesis

Proposals for further synthesis workshops have been scoped for Aquarevo (Vic), Latrobe National Employment Cluster (Vic) and Hester Park (WA).



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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. [25]	Attachment 6	
17/05/2017		

Agenda Item 10
Upcoming Policy and Guideline Opportunities;

Policy and Guidelines	Discussion	Action/Decision
SPP 2.1 Peel-Harvey Coastal Plain Catchment		
SPP 2.2 Gnangara 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		
Draft Government Sewerage Policy		

Western Regional Advisory Panel		
Meeting No. [25]	Attachment 7	
17/05/2017		

Agenda Item 11	
Capacity Building	

Capacity Building	Discussion	Decision/Outcome
WA relevant		
WSC speaker series		
BUWM training		
NWW Board Meetings		
Water Industry night?		
Bus Trip/Demo Tour		
Fact Sheet/Case Study		
CRCWSC Meetings		
Local Government Engagement		
WSC Workshops		
Miscellaneous travel for interstate researchers to visit WA eg John Thwaites and Matthew Laing,		
implementation of development sector engagement strategy - eg design and roll out of training that is jargon free		
Implementation of local government engagement strategy - eg WALGA newsletter, training through local service providers		
training and inkind support for smart cities Urban monitor		
Development and roll out of communications strategy to WA stakeholders - eg guidance notes for specific hot issues using targeted content and language		
Activities (eg workshops) that support the WSC platform – toolkit, dance4water, WSC index		
Nationally and Internationally relevant		
knowledge through technology -vlog, webinar		
design guidelines (eg how to design for high groundwater)		
Translation of T1 outputs so that they are targetted and in an appropriate format for key stakeholder groups		

CRCWSC Western Region EVENT SCHEDULE 2016-2017

	Event	Topic	Organisation(s) in Charge
2017	2017	2017	2017
Wednesday 15 th March	Regional Advisory Panel		CRCWSC WR
15 th March	Evaluation Workshop		CRCWSC
17 th March 2017	IPWEA-WA	City Super day Sustainability	IPWEA
23 rd March 2017	AWA Seminar – Murdoch Uni	Academia and Industry: science – practice partnerships	AWA
24 th March 2017	Montario redevelopment	Ideas for Shenton Park	WaterCorp/Landcorp/CRC
27 th March 2017	IRP5 WR Participants	High Ground Water planning session	CRCWSC
29 th March 2017	WS Demonstration Tours	Kalamunda Hatfield Park	NWW
6 April 2017	IRP5 National Workshop	Proposal Development – Perth	CRCWSC
4 th April 2017	LIAWA symposium	Delivering Trees	
Tues 4 – Thurs 6 April	UDIA National Congress	(Crown Perth)	UDIA
Tuesday 11 th April	Nominations Committee	CRCWSC Nominations Committee	
8 - 23 April 2017 14 April	WA School Holidays Good Friday	Term 1 WA School Holidays	
Tuesday 18 th April	IRP2	Project Steering Committee Meeting	UWA - Tammie
Thursday 20 th April	IRP4	Project Steering Committee Meeting	UQ - Steve Kenway
Friday 21 st Apr 17	Community Involvement Day	AWA/SWA/NWW/CRCWSC	NWW
Thur 27 th April	Advisory Committee Meeting		CRCWSC
Friday 28 th April	WSC Tool kit	Workshop	CRCWSC
27 th April - 6 th May	WSC Tool kit	interviews	CRCWSC
3 rd -5 th May 2017	2017 Stormwater Victoria Conference	Time for a Watershed	
Friday 12 th May 17	EPRG Meeting	Teleconference	CRCWSC
16-18 May 17	AWA's Ozwater		AWA
Wednesday 17 th May	Regional Advisory Panel		CRCWSC WR
Monday 22 nd May	Board Meeting		CRCWSC
Tuesday 23 rd May	NWW introductory training session	Groundwater management for urban development	NWW
24 th – 25 th May	IRP2 Case Study	WWTP buffer zone	CRCWSC
Friday 2 nd June 2017	Audit & Risk Committee	Meeting	CRCWSC

	Event	Topic	Organisation(s) in Charge
Tuesday 6 th June	IRP2	Project Steering Committee Meeting	UWA - Tammie
Friday 16 th June	Board Meeting		CRCWSC
Tuesday 20 th June 2017	NWW introductory training session	Local Water Management Strategies - how to get it right	NWW
22 June	AWA WA Conference	Technology and Ethics	AWA
1 – 16 July 2017	WA School Holidays	T2 WA School Holidays	
12-14 July 2017	ECOCITY World Summit	Melbourne, Victoria	
Monday 17 th July 2017	IRP2	Project Steering Committee Meeting	UWA - Tammie
Monday 17 th July 2017	CRC WSC workshop	Capacity Building team and Regional Managers	CRCWSC
18 -20th July	3 rd Water Sensitive Conference	Perth, Western Australia	CRCWSC Nat
Wednesday 26 th July	Regional Advisory Panel		CRCWSC WR
Tuesday 25 th July	NWW introductory training session	Biofilters	NWW
Tuesday 15 th August	NWW introductory training session	Retrofitting for WSUD	NWW
23-25 August 17	2017 Stormwater NSW	Conference	
27 Aug – 1 Sept	World Water Week Stockholm	Water and waste – reduce and reuse.	Stockholm Intl Water Instit (SIWI)
Tuesday 5 th September	IRP2	Project Steering Committee Meeting	UWA - Tammie
Tuesday 19 th Sept	NWW introductory training session	Maintenance	NWW
Wed 20th September	Regional Advisory Panel		CRCWSC WR
23 Sep – 8 Oct 2017	WA School Holidays	T3 WA School Holidays	
10 – 13 October 2017	2017 Stormwater QLD	Conference	
17 th October	IRP2	Project Steering Committee Meeting	UWA - Tammie
Wed 15 th November	Regional Advisory Panel		CRCWSC WR
5 th December	IRP2	Project Steering Committee Meeting	UWA - Tammie
15 Dec – 28 Jan 2018	WA School Holidays	T4 WA School Holidays	
February 2018	10th International Water Sensitive Urban Design	(WSUD) Conference, Perth	Engineers Au, AWA Stormwater WA
CRC Board, Executive Or Committee Meeting	CRC Project Event	CRC Special Event	
CRC Project Team Meeting	CRC Synthesis Event	National External Event	
Regional Advisory Panel	Capacity Building -Public	WA External Event	

	Event	Topic	Organisation(s) in Charge
Meeting			
	Capacity Building - Invite	WA School Holidays	