

University of Arizona Water Resources Research Center 2020 METRICS REPORT

Progress toward Goals Outlined in University of Arizona Water Resources Research Center (WRRC) 2021 STRATEGIC PLAN

2020 Metrics Report Completed May 13, 2021

Goal 1: To increase WRRC capacity to engage in water policy and management research that is highly relevant to the real world through increased external funding and support and recruitment of skilled faculty and staff.

	2015	2016	2017	2018	2019	2020
Grant Funding Received						
Federal grants and contracts	\$374,803	\$397,374	\$456,246*	\$407,240	\$418,834	\$339,051
State grants and contracts	\$161,062	\$127,882	\$89,100	\$94,500	\$93,961	\$87,050
Foundation funds	\$233,249	\$101,871	\$117,500	\$211,590	\$245,533	\$210,510
Private grants and contracts	\$411,252	\$473,973	\$270,012	\$363,791	\$286,985	\$363,562
WRRC Staffing						
Faculty	3	3	3	3	3	3
Staff	22	21	20	20	20	18
Students	24	19	24	20	12	12
Grant-Funded Projects						
Number of new projects	3	6	5	8	8	6
Project funding	\$154,924	\$559,661	\$387,699.00	\$661,365	\$576,607	\$241,100
Indirect Costs (IDC) Received						
Total	\$76,548	\$89,659	\$79,513.97	\$94,789	\$86,508	\$66,070
University	\$45,928	\$53,795	\$47,708.38	\$56,874	\$51,905	\$39,642
CALS	\$18,372	\$21,518	\$19,083.35	\$22,749	\$20,762	\$15,857
Other departments	\$485	\$1,496	\$1,185.05	\$1,422	\$1,298	\$991
WRRC	\$11,763	\$12,850	\$11,537.19	\$13,745	\$12,543	\$9,580

Goal 2: To increase recognition, both within and beyond the University, of the WRRC as an excellent provider of skills and knowledge for future generations of water professionals

	2015	2016	2017	2018	2019	2020
Students Mentored Through WRRC Programs						
Graduate	20	14	19	16	3	16
Undergraduate	13	7	7	4	2	6
Project WET	22	22	20	22	22	13
WRRC Faculty Participation on Student Committees						
Master's	8	12	8	2	3	8
Ph.D.	5	9	10	12	13	12
Number of Students Instructed in Classroom Setting						
Formal class	15	15	101	102	131	120
Guest lectures	225	260	92	151	172	70

Goal 3: Through the activities of Arizona Project WET, support teacher professional development, offer real-world learning experiences for K-12 students, and train community and business members to facilitate student learning.

	2015	2016	2017	2018	2019	2020
Number of teachers with 7+ hours of professional development	341	522	563	451	566	398
Number of teachers with 90%+ positive response rate to professional development questionnaire	317 (93%)	496 (95%)	534 (95%)	421 (92%)	511(90%)	398 (100%)
Number of students instructed by participating teachers	31,759	35,695	44,470	22,614	33,739	31,832
Number of students engaged	33,392	46,776	25,681	32,828	37,678	12,142
Projected gallons of water saved	3,688,811	3,656,230	2,151,214	2,478,420	1,476,722	769,968

Goal 4: To enhance WRRC leadership in the dissemination of sound and independent water management and policy information and research results through increasing communication with a broad network of professional contacts around the State and beyond.

	2015	2016	2017	2018	2019	2020
Brown Bag Seminars	16	21	17	22	16	18
Annual Conference Registrations	341	286	357	333	390	609
Number of Presentations (Estimates of audience attendance) *						
Local (Tucson)	16 (480)	47 (1,410)	21 (630)	32 (960)	21(630)	17
State (Arizona)	27 (1,620)	32 (1,920)	30 (1,800)	7 (420)	20(1200)	5
National	18 (1,710)	25 (2,375)	14 (1,330)	30 (2,850)	12(1140)	10
International	7 (1,120)	10 (1,600)	13 (2,080)	5 (800)	4 (600)	21
Media Contacts						
Radio	2	7	3	1	0	2
Print	8	15	13	12	7	5
Video	2	8	5	1	1	1
Online	3	7	22	6	20	1
Subscribers to WRRC Publications						
Arroyo**	N/A	N/A	N/A	N/A	N/A	7514
Weekly Wave	1,822	2,027	2,198	2,630	2734	2847

*In 2020 the majority of WRRC presentations were virtual. Presentation attendance statistics are not available for many presentations made.

** Arroyo subscription reporting changed in 2020. Metrics from previous years are not available.

2020 University of Arizona Water Resources Research Center (WRRC) Partnership Metrics

Completed May 13, 2021

Program	Strategic Plan Objective	FTE			Mission Focus (%)			Partners/Collaborators/Engagement											
		WRRC Staff	Student	Volunteer Hours	Research	Instruction	Extension/ Outreach	Intra-university	Inter-university	Private/NGOs		Government					Tribal Engagement	International Engagement	Total
										Profit	Non-profit	City	County/Regional	State	Federal	School Districts			
WRRC 2020 Annual Conference	2,4	0.5	0.5	80	20	30	50	5	5	6	9	2	2	15	3		2		49
WRRC Brown Bag Seminars (Including Co-sponsored)	4	0.1				40	60	6	3	12	4	1		5	2				33
WRRC External Advisory Committee	1,4	0.1				30	70		1	15	7	2	1	3	2		2		33
Arroyo	2,4	0.3	0.2			10	90	1	1	5	3	1		2	1		2		16
Water Quality Research Program	1,2	1.0	0.5		40	50	10	15	35		2	42	5	10	8	2	6	16	141
WRRR 104 Program	2,4	0.4			40	30	30	9		3			2	3	1				18
Aqua STEM Program (AS)	3	1.00	1.00	321	5		95	1	1	2	1	2	1	1		15			24
Tucson Water Education Program (TWE)	3	2.00	8.0	40	1		99	5			2	4	1	1	1	9			23
Arizona Water Festivals Program (AWF)	3	2.00	1.00	1266	2		98	4	1	10	2	26	1	1	1	31			77
Teacher Professional Development Program (TACD)	3	1.75	1.00		30		70	1	2			9		1	1	128			142
Water Scene Investigation Program (WSI)	3	0.50	1.00		1		99			1	1	3				4			9
Recharge the Rain	3	0.50		0	1		99	2	1		2				1	5			11
Pinal Water Education Program (PWE)	3	1.00		240	1		99	1		2	1	7	1	1		7			20
Underwater ROV's	3	0.25						1											1
Cobre Valley Ecosystem Services Study	1,4	0.7	0.5	350	60		40	3	1	4	7	4	4	2	2	1	1		29
Babbitt Center Collaborative Research Agreement	1,4	0.3			70		30	1		3	2	2	2	2			1		13
Transboundary Aquifer Assessment Program (TAAP)	1,2,4	0.1	0.1		90		10	3	6		8				4			11	32
Extension Outreach	1,4	0.1	0.1		10		90	10		2									12
Know About Your Water	1,4	0.4	0.13		10		90			3	5	2	1	3	1				15
Santa Cruz Watershed Collaborative	1,4	0.03					100	1			4	1	2		3				11
Other Programs, Projects, and Initiatives	1,2,4	0.1								1	1	2	2						6
Director's Programs and Activities (not covered elsewhere)	1,2,4				20	20	70	31	62	4	23		5	4	15		4	23	171
Totals 2020		13.1	14.0	2297				100	119	73	84	110	30	54	46	202	18	50	886
Totals 2019		16.6	7.8	9451				164	115	78	102	123	52	54	45	230	20	52	1035
Totals 2018		15.4	9.7	7025				82	116	80	130	124	56	59	61	201	17	47	973
Totals 2017		14.6	10.7	7099				127	109	70	99	104	46	57	64	223	16	35	950
Totals 2016		13.6	10.8	7516				121	103	71	80	105	37	60	49	235	11	30	902
Totals 2015		15.6	9.5	7699				50	151	85	80	73	22	43	50	53	37	30	674
Totals 2014		15.5	9.2	6677				89	99	89	123	82	37	42	42	39	13	42	697
Totals 2013		15.3	8.4	6194				60	94	120	122	103	21	50	47	50	15	8	690

Objectives, University of Arizona Water Resources Research Center 2021 Strategic Plan

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