



NATIONAL SCIENCE FOUNDATION  
INDUSTRY/UNIVERSITY COOPERATIVE RESEARCH CENTERS

# FINAL Report

## *FY2024 STRUCTURAL INFORMATION<sup>1</sup>*

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VENTUREWELL**

**January, 2025**

<sup>1</sup>**NOTE:** FY2024 data collected from 79/79 Center Director Surveys (100% response rate) and covers award years ending 10/1/2023--9/30/2024.

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# IUCRC Structural Data Report – FY2024

**Table 1: FY2024 General Center Information (Sorted by Acronym)**

Year Started = The year NSF gave the Center the operating grant under which it was originally established as an IUCRC Center.

Phase = IUCRC program phase (I, II, III) for which the Center is currently funded.

Center	Acronym	Year Started	Phase	University Name (Site Director)	Partner University 1 (Site Director)	Partner University 2 (Site Director)	Partner University 3 (Site Director)	Partner University 4 (Site Director)
Advanced Mammalian Biomufacturing Innovation Center	AMBIC	2016	II	Johns Hopkins University (Betenbaugh)	Clemson University (Harcum)	University of Delaware (Lee)	University of Massachusetts-Lowell (Yoon)	University of Maryland-College Park (Bentley)
Advanced Semiconductor Chips with Accelerated Performance	ASAP	2023	I	University of Illinois at Urbana-Champaign (Rakheja)				
Alternative Sustainable and Intelligent Computing	ASIC	2018	I	Duke University (Chen)	Syracuse University (Qinru Qiu)	University of Notre Dame (Shi)		
Atomically Thin Multifunctional Coatings	ATOMIC	2015	II	Pennsylvania State University (Terrones)	Rice University (Lou)	Boise State University (Estrada)		
Building Energy Smart Technologies	BEST	2021	I	University of Colorado at Boulder (Krarti)	CUNY City College (Mohamed)			
Building Reliable Advances and Innovation in Neurotechnology	BRAIN	2017	II	Arizona State University (Santello)	University of Houston (Contreras-Vidal)	Georgia Tech Research Corporation (LaPlaca)	West Virginia University Research Corporation (Konrad)	
Broadband Wireless Access and Applications	BWAC	2013	II	University of Arizona (Krunz)	North Carolina State University at Raleigh (Guvenc)	University of Mississippi (Viswanathan)	Catholic University of America (Liu)	
Stream Health in Place	C2SHIP	2021	I	University of Arizona (Roveda)	Baylor College of Medicine (Bijan Najafi)	University of Southern California (Armstrong)	California Institute of Technology (Daraio)	University of North Dakota (Tavakolian)
Autonomous Air Mobility and Sensing	CAAMS	2022	I	University of Colorado at Boulder (Ahmed)	Brigham Young University (Beard)	Pennsylvania State University (Langelaan)	University of Michigan-Ann Arbor (Panagou)	Texas A & M Engineering Experiment Station (Valasek)
Cloud & Autonomic Computing	CAC	2008	II	Texas Tech University (Chen)	University of Arizona (Akoglu)			
Advanced Design and Manufacturing of Integrated Microfluidics	CADMIM	2014	II	University of California-Irvine (Lee)	University of Illinois at Chicago (Papautsky)			
Advanced Electronics through Machine Learning	CAEML	2016	II	University of Illinois at Urbana-Champaign (Rosenbaum)	North Carolina State University at Raleigh (Franzon)	Pennsylvania State University (Swaminathan)		
Advanced Forestry Systems	CAFS	2007	III	University of Maine (Weiskittel)	University of Washington-Seattle Campus (Turnblom)	University of Idaho (Nelson)	North Carolina State University at Raleigh (Cook)	Purdue University (Jacobs)
Advanced Knowledge Enablement	CAKE	2008	II	Florida Atlantic University (Furht)				

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Center	Acronym	Year Started	Phase	University Name (Site Director)	Partner University 1 (Site Director)	Partner University 2 (Site Director)	Partner University 3 (Site Director)	Partner University 4 (Site Director)
Arthropod Management Technologies	CAMTech	2013	III	University of Florida (Bonning)	University of Kentucky (Palli)			
Advanced Non-Ferrous Structural Alloys	CANFSA	2011	III	Colorado School of Mines (Kaufman)	Iowa State University (Collins)			
Advanced Research in Drying	CARD	2016	II	Worcester Polytechnic Institute (Yagoobi)	University of Illinois at Urbana-Champaign (Salapaka)			
Advanced Research in Forensic Science	CARFS	2017	II	Texas A&M AgriLife Research (Tarone)	University of South Alabama (Chambers)	Sam Houston State University (Kerrigan)		
Accelerated Real Time Analytics	CARTA	2018	II	University of Maryland-Baltimore County (Joshi)	Rutgers University-New Brunswick (Metaxas)	North Carolina State University at Raleigh (Chirkova)	University of Miami (Ogihara)	Arizona State University (Zhao)
Advance the Science of Exploration to Reclamation in Mining	CASERM	2018	I	Colorado School of Mines (Monecke)	Virginia Polytechnic Institute and State University (Westman)			
Bioplastics and Biocomposites	CB2	2014	II	North Dakota State University (Webster)	Washington State University (Englund)	Iowa State University (Cochran)	University of Georgia (Locklin)	
Big Learning	CBL	2018	I	University of Florida (Harley)	University of Missouri-Kansas City (Li)	University of Oregon (Nguyen)		
Bioanalytic Metrology	CBM	2019	I	University of Notre Dame (Bohn)	Indiana University-Bloomington (Jacobson)	Purdue University (Simpson)		
Cybersecurity Analytics and Automation	CCAA	2013	II	George Mason University (Jajodia)	University of North Carolina at Charlotte (Lipford)	Colorado State University (Ray)		
Computational Biotechnology and Genomic Medicine	CCBGM	2016	I	University of Illinois at Urbana-Champaign (Iyer)	Mayo Clinic Rochester (Wang)			
Disruptive Musculoskeletal Innovations	CDMI	2014	II	University of California-San Francisco (Lotz)	University of Toledo (Goel)	Ohio State University (Marras)		
Dielectrics and Piezoelectrics	CDP	2014	II	North Carolina State University at Raleigh (Parsons)	Pennsylvania State University (Trolier-McKinstry)			
Freeform Optics	CeFO	2013	III	University of Rochester (Rolland)	University of North Carolina at Charlotte (Suleski)			
Energy Harvesting Materials and Systems	CEHMS	2010	II	Virginia Polytechnic Institute and State University (Zhang)	Columbia University in the City of New York (Yin)	Pennsylvania State University (Rahn)		
Environmental Sustainability through Insect Farming	CEIF	2021	I	Texas A & M University (Jeffery Tomberlin)	Indiana University (Picard)	Mississippi State University (Jordan)		
Electromagnetic Compatibility	CEMC	2009	III	Missouri University of Science and Technology (Beetner)	University of Houston (Chen)			
Tire Research	CentiRe	2012	III	Virginia Polytechnic Institute and State University (Taheri)	University of Akron (Choi)			

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Center	Acronym	Year Started	Phase	University Name (Site Director)	Partner University 1 (Site Director)	Partner University 2 (Site Director)	Partner University 3 (Site Director)	Partner University 4 (Site Director)
Solid-State Electric Power Storage	CEPS	2021	I	South Dakota School of Mines and Technology (Smirnova)	Syracuse University (Qiao)	Northeastern University (Mukerjee)		
Rational Catalyst Synthesis	CeRCaS	2015	II	University of South Carolina-Columbia (Regalbuto)	Virginia Commonwealth University (Gupton)	University of California-Davis (Gates)		
Metamaterials	CfM	2011	III	University of North Carolina at Charlotte (Aggarwal)				
Geomechanics and Mitigation of Geohazards	CGMG	2018	I	California Institute of Technology (Avouac)				
High-Frequency Electronics and Circuits for Communication Systems	CHECCS	2021	I	University of Arkansas (Wejinya)	The University of Tennessee (Fathy)	Florida International University (Volakis)		
Hardware and Embedded Systems Security and Trust	CHEST	2019	I	University of Cincinnati (Emmert)	Northeastern University (Fei)	University of California-Davis (Hodayoun)	University of Connecticut (Chandy)	The University of Texas at Dallas (Makris)
Composite and Hybrid Materials Interfacing	CHMI	2021	I	Georgia Institute of Technology (Zhang)	Oakland University (Nassar)	The University of Tennessee (Vaidya)		
Integration of Composites into Infrastructure	CICI	2009	III	West Virginia University (GangaRao)	North Carolina State University at Raleigh (Seracino)	University of Miami (Nanni)	Texas A & M Engineering Experiment Station (Puppala)	
Integrated Material Science and Engineering of Pharmaceutical Products	CIMSEPP	2022	I	New Jersey Institute of Technology (Dave)	University of Minnesota-Twin Cities (Sun)			
Innovations in Structural Integrity Assurance	CISIA	2021	I	Louisiana State University and Agricultural & Mechanical College (Khonsari)	Louisiana Tech University (Matthews)			
Identification Technology Research	CITeR	2001	II	Clarkson University (Schuckers)	West Virginia University (Valenti)	University at Buffalo (Govindaraju)	Michigan State University (Ross)	
Infrastructure Trustworthiness in Energy Systems	CITES	2021	I	University of Illinois at Urbana-Champaign (Nicol)	Florida International University (Mohammed)	University of Arkansas (Li)		
Quantum Technologies	CQT	2022	I	Purdue University (Chen)	Indiana University (Ortiz)	University of Notre Dame (Kogge)		
Resource Recovery and Recycling	CR3	2010	III	Worcester Polytechnic Institute (Mishra)	Colorado School of Mines (Anderson)			
Research toward Advancing Financial Technologies	CRAFT	2021	I	Stevens Institute of Technology (Yang)	Rensselaer Polytechnic Institute (Gupta)			
Research in Systems and Storage	CRSS	2013	II	University of California-Santa Cruz (Litz)				
Data-Driven Drug Development and Treatment Assessment	DATA	2022	I	University of Michigan-Ann Arbor (Najarian)				
Electric, Connected and Autonomous Technologies for Mobility	eCAT	2023	I	Wayne State University (Wang)	Clarkson University (Liu)	University of North Texas (Fu)		

(continued)

Center	Acronym	Year Started	Phase	University Name (Site Director)	Partner University 1 (Site Director)	Partner University 2 (Site Director)	Partner University 3 (Site Director)	Partner University 4 (Site Director)
Electronic-Photonic Integrated Circuits for Aerospace	EPICA	2021	I	Georgia Institute of Technology (Ralph)	University of Central Florida (Delyett)	Vanderbilt University (Reed)		
Energy-Smart Electronic Systems	ES2	2011	III	Binghamton University, SUNY (Ghose)	Villanova University (Ortega)	The University of Texas at Arlington (Agonafer)		
Efficient Vehicles and Sustainable Transportation Systems	EV-ST5	2016	II	Arizona State University (Yu)	University of Louisville (Park)	The University of Alabama (Hong)	The University of Texas at Austin (Matthews)	
Grid-Connected Advanced Power Electronic Systems	GRAPES	2009	III	University of Arkansas (Zhao)	University of Wisconsin-Milwaukee (Cuzner)			
Novel High-Voltage/Temperature Materials and Structures	HVT	2014	I	University of Denver (Kumosa)	University of Connecticut (Cao)			
Intelligent, Distributed, Embedded Applications and Systems	IDEAS	2023	I	Arizona State University (Vrudhula)	Southern Illinois University at Carbondale (Tragoudas)	University of Southern California (Prasanna)		
Manufacturing and Materials Joining Innovation Center	Ma2JIC	2010	III	Ohio State University (Ramirez)	Colorado School of Mines (Yu)	The University of Tennessee (Gao)	Pennsylvania State University (Palmer)	
Membrane Applications Science and Technology	MAST	2010	III	University of Arkansas (Wickramasinghe)	University of Colorado at Boulder (Ding)	New Jersey Institute of Technology (Sirkar)	Pennsylvania State University (Zydney)	
Materials Data Science for Reliability and Degradation	MDS-Rely	2021	I	Case Western Reserve University (Bruckman)	University of Pittsburgh-Pittsburgh Campus (Leu)			
Multi-functional Integrated System Technology	MIST	2014	II	University of Florida (Nishida)	University of Central Florida (Yuan)	University of Virginia (Ghosh)		
Medical Innovations in Extended Reality	MIXR	2022	I	University of Maryland-College Park (Varshney)	University of Maryland-Baltimore (Murthi)	University of Michigan-Ann Arbor (Reddy)		
High Pressure Plasma Energy, Agriculture, and Biomedical Technologies	PEAB	2018	I	Drexel University (Fridman)	George Washington University (Keidar)			
Power Management Integration	PMIC	2018	II	Dartmouth College (Sullivan)	University of California-San Diego (Mercier)			
Pervasive Personalized Intelligence	PPI	2020	I	University of Colorado at Boulder (Dig)	Oregon State University (Wong)	Oakland University (Kessentini)		
Quantum Computing and Information Technologies	QCIT	2023	I	Carnegie Mellon University (Towe)				
Robots and Sensors for the Human Well-being	ROSE-HUB	2014	II	University of Minnesota-Twin Cities (Morellas)	Clemson University (Krovi)	Worcester Polytechnic Institute (Xiao)		
Science Center for Marine Fisheries	SCEMFIS	2013	III	University of Southern Mississippi (Powell)	William and Mary (Mann)			
Science of Heterogeneous Additive Printing of 3D Materials	SHAP3D	2018	II	University of Massachusetts-Lowell (Mead)	University of Connecticut (Ma)	Georgia Institute of Technology (Qi)		
Space, High-Performance, and Resilient Computing	SHREC	2017	I	University of Pittsburgh-Pittsburgh Campus (George)	University of Florida (Lam)	Brigham Young University (Wirthlin)	Virginia Polytechnic Institute and State University (Feng)	

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Center	Acronym	Year Started	Phase	University Name (Site Director)	Partner University 1 (Site Director)	Partner University 2 (Site Director)	Partner University 3 (Site Director)	Partner University 4 (Site Director)
Science, Management, Application/s, Regulation, and Training	SMART	2021	I	Georgetown University (Frieder)	University of Notre Dame (Nabrzyski)			
Soil Technologies	SoilTech	2023	I	University of Southern California (Moghaddam)	University of Connecticut (Li)	Iowa State University (Gomes)	University of Washington (Arabshahi)	
Solar Powered Future	SPF2050	2021	III	The University of Texas at Austin (Korgel)	Colorado State University (Sampath)			
Spatiotemporal Thinking, Computing and Application	STCA	2013	II	George Mason University (Yang)	Harvard University (Subramanian)			
Water Equipment and Policy	WEP	2010	III	University of Wisconsin-Milwaukee (Liao)	Marquette University (Zitomer)			
Wheat Genetics	WGRC	2013	II	Kansas State University (Akhunov)				
Wind Hazard and Infrastructure Performance	WHIP	2019	I	Texas Tech University (Zuo)	Florida International University (Zisis)			
Wind Energy Science, Technology and Research	WindSTAR	2014	II	University of Massachusetts-Lowell (Niezrecki)	The University of Texas at Dallas (Rotea)			
Wildfire Interdisciplinary Research Center	WIRC	2021	I	San Jose State University (Clements)	Worcester Polytechnic Institute (Simeoni)			
Weather Innovation, Smart Energy and Resilience	WISER	2023	I	SUNY at Albany (Thorncroft)	University of Connecticut (Anagnostou)			

# International site data not included in this report unless otherwise footnoted. See Table 10 for International Sites.

- a) Additional universities for CAFS include Oregon State University (Gonzalez-Benecke) and University of Georgia (Montes).
- b) Additional universities for CHEST include University of Virginia (Lambert).
- c) Additional universities for CAAMS include Virginia Polytechnic and State University (Kochersberger).
- d) Additional universities for C2SHIP include University of Missouri-Columbia (Skubic).

**Table 2: FY2024 Operating Budget and Total Funding**

Program Income = Funding provided to the Center by the following sources: Member Fees and Additional Industry.

NSF/IUCRC = Funding provided by the IUCRC program, including operating grant, supplements, and evaluator support.

Member Fees = Funding collected by a Center from membership fees, including Military Interdepartmental Purchase Requests (MIPR) covering membership support.

Additional Industry = Additional member funding (e.g., enhancements, donations, etc.) which is applied to the Center as a whole (e.g., income that results in outcomes shared equally by all Center members).

Other NSF = Funding for the Center provided by other NSF groups or divisions.

State = Funding provided by state government and/or an agency or program funded by state government.

Other Federal = Funding for the Center provided by other Federal funding sources, but does not include funding from NSF.

Non-Federal = Funding for the Center provided by other non-Federal funding sources, foundations, etc.

Center Acronym	Program Income + NSF/IUCRC	Program Income Sources			Add-on Funding			
		NSF / IUCRC	Member Fees	Additional Industry	Other NSF	State	Other Federal	Non-Federal
AMBIC	\$2,732,500	\$ 750,000	\$1,982,500	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
ASAP	\$ 690,000	\$ 150,000	\$ 540,000	\$ 0	\$1,999,998	\$ 0	\$ 0	\$ 0
ASIC^	\$ 125,000	\$ 0	\$ 125,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
ATOMIC	\$ 576,470	\$ 126,470	\$ 450,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
BEST	\$ 595,000	\$ 300,000	\$ 290,000	\$ 5,000	\$ 0	\$ 0	\$ 0	\$ 0
BRAIN	\$ 811,955	\$ 389,455	\$ 422,500	\$ 0	\$ 133,110	\$ 0	\$ 247,123	\$ 25,000
BWAC^	\$ 400,000	\$ 0	\$ 400,000	\$ 0	\$ 0	\$ 15,000	\$ 0	\$ 0
C2SHIP	\$2,250,000	\$1,350,000	\$ 900,000	\$ 0	\$ 0	\$600,000	\$ 0	\$ 0
CAAMS	\$2,110,000	\$1,000,000	\$1,110,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
CAC	\$ 630,926	\$ 100,000	\$ 350,000	\$ 180,926	\$ 0	\$ 0	\$ 0	\$ 0
CADMIM	\$ 687,000	\$ 337,000	\$ 350,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
CAEML	\$1,000,031	\$ 100,000	\$ 900,031	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
CAFS	\$2,625,000	\$ 800,000	\$1,825,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
CAKE^	\$ 438,000	\$ 0	\$ 438,000	\$ 0	\$ 480,000	\$ 0	\$ 350,000	\$100,000
CAMTech	\$ 716,000	\$ 266,000	\$ 450,000	\$ 0	\$ 0	\$ 72,000	\$ 0	\$ 0
CANFSA	\$ 580,375	\$ 99,000	\$ 481,375	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
CARD	\$ 620,980	\$ 65,980	\$ 555,000	\$ 0	\$ 0	\$150,000	\$ 400,000	\$ 0
CARFS^^	\$ 370,000	\$ 45,000	\$ 325,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
CARTA	\$2,330,000	\$ 500,000	\$ 800,000	\$1,030,000	\$ 0	\$ 0	\$ 0	\$ 0
CASERM	\$1,966,710	\$ 300,000	\$1,192,704	\$ 474,006	\$ 571,779	\$ 0	\$ 807,739	\$ 0
CB2	\$1,105,602	\$ 403,102	\$ 582,500	\$ 120,000	\$ 0	\$ 0	\$ 0	\$ 30,000
CBL^	\$ 300,000	\$ 0	\$ 300,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
CBM	\$1,000,000	\$ 450,000	\$ 550,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
CCAA	\$ 205,000	\$ 55,000	\$ 150,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
CCBGM^	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
CDMI	\$ 605,796	\$ 299,996	\$ 305,800	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

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Center Acronym	Program Income + NSF/IUCRC	NSF / IUCRC	Member Fees	Additional Industry	Other NSF	State	Other Federal	Non-Federal
CDP^	\$ 805,657	\$ 0	\$ 805,657	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
CeFO	\$ 878,000	\$ 155,000	\$ 723,000	\$ 0	\$ 69,562	\$ 0	\$ 0	\$ 0
CEHMS^	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
CEIF	\$ 946,667	\$ 450,000	\$ 496,667	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
CEMC	\$2,570,000	\$ 200,000	\$2,370,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
CenTiRe	\$ 843,000	\$ 100,000	\$ 743,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
CEPS	\$ 737,000	\$ 450,000	\$ 287,000	\$ 0	\$ 220,000	\$900,000	\$ 0	\$ 0
CeRCaS	\$ 800,000	\$ 100,000	\$ 700,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
CfM	\$ 380,068	\$ 150,000	\$ 230,068	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
CGMG^^	\$1,207,315	\$ 55,000	\$ 375,000	\$ 777,315	\$ 0	\$ 0	\$ 0	\$ 0
CHECCS^	\$ 175,000	\$ 0	\$ 175,000	\$ 0	\$ 98,758	\$ 0	\$ 0	\$ 0
CHEST	\$2,175,000	\$ 900,000	\$1,275,000	\$ 0	\$ 0	\$ 0	\$1,000,000	\$ 0
CHMI	\$ 840,000	\$ 450,000	\$ 390,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
CICI	\$1,019,231	\$ 71,000	\$ 948,231	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
CIMSEPP	\$ 950,000	\$ 350,000	\$ 600,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
CISIA	\$ 424,000	\$ 24,000	\$ 400,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
CITeR	\$1,197,981	\$ 10,000	\$1,010,981	\$ 177,000	\$ 158,333	\$ 0	\$ 404,145	\$155,606
CITES	\$ 675,000	\$ 450,000	\$ 225,000	\$ 0	\$ 120,000	\$ 0	\$ 0	\$ 0
CQT	\$ 850,000	\$ 450,000	\$ 400,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
CR3	\$ 750,000	\$ 100,000	\$ 650,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
CRAFT	\$ 825,000	\$ 300,000	\$ 525,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
CRSS	\$ 500,000	\$ 100,000	\$ 400,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
DATA	\$ 350,000	\$ 150,000	\$ 200,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
eCAT	\$ 625,000	\$ 450,000	\$ 175,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
EPICA	\$ 692,000	\$ 200,000	\$ 492,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
ES2	\$1,664,640	\$ 205,977	\$1,165,250	\$ 293,413	\$ 0	\$ 25,000	\$ 0	\$105,375
EV-STs	\$ 575,000	\$ 400,000	\$ 175,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
GRAPES	\$ 970,686	\$ 255,988	\$ 575,000	\$ 139,698	\$ 0	\$ 0	\$ 0	\$ 0
HVT^	\$ 120,000	\$ 0	\$ 120,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
IDEAS	\$ 975,000	\$ 450,000	\$ 525,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Ma2JIC	\$1,833,846	\$ 217,063	\$1,616,783	\$ 0	\$ 191,424	\$ 0	\$ 0	\$ 0
MAST	\$ 855,346	\$ 90,346	\$ 765,000	\$ 0	\$ 99,999	\$ 0	\$ 0	\$ 0
MDS-Rely	\$ 422,523	\$ 110,023	\$ 312,500	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
MIST	\$1,153,923	\$ 528,923	\$ 625,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
MIXR	\$ 675,000	\$ 450,000	\$ 225,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
PEAB^	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
PMIC^	\$ 106,250	\$ 0	\$ 106,250	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0



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Center Acronym	Program Income + NSF/IUCRC	NSF / IUCRC	Member Fees	Additional Industry	Other NSF	State	Other Federal	Non-Federal
PPI	\$ 525,000	\$ 300,000	\$ 225,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
QCIT	\$ 250,000	\$ 100,000	\$ 150,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
ROSE-HUB	\$ 764,500	\$ 265,000	\$ 499,500	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
SCMFIS	\$ 721,966	\$ 296,966	\$ 425,000	\$ 0	\$ 0	\$ 0	\$ 0	\$375,788
SHAP3D	\$ 474,978	\$ 119,978	\$ 355,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
SHREC <sup>^^</sup>	\$2,341,262	\$ 281,262	\$2,040,000	\$ 20,000	\$ 0	\$ 0	\$ 0	\$ 0
SMART	\$ 605,000	\$ 100,000	\$ 425,000	\$ 80,000	\$ 0	\$ 0	\$ 0	\$ 0
SoilTech	\$1,000,000	\$ 600,000	\$ 400,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
SPF2050	\$ 971,956	\$ 340,000	\$ 574,982	\$ 56,974	\$ 0	\$ 0	\$1,500,000	\$ 0
STCA	\$ 720,978	\$ 186,000	\$ 534,978	\$ 0	\$ 50,000	\$ 0	\$ 200,000	\$ 0
WEP	\$1,000,000	\$ 500,000	\$ 500,000	\$ 0	\$ 15,000	\$ 0	\$ 0	\$ 0
WGRC <sup>^</sup>	\$ 400,000	\$ 0	\$ 400,000	\$ 0	\$ 0	\$ 0	\$1,500,000	\$ 0
WHIP	\$ 625,000	\$ 300,000	\$ 325,000	\$ 0	\$ 20,000	\$ 0	\$ 98,054	\$ 0
WindSTAR	\$ 889,054	\$ 277,531	\$ 611,523	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
WIRC	\$ 570,804	\$ 170,804	\$ 400,000	\$ 0	\$ 84,230	\$ 0	\$ 0	\$ 0
WISER	\$ 550,000	\$ 150,000	\$ 400,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
<b>Grand Mean</b>	<b>\$866,468</b>	<b>\$256,302</b>	<b>\$567,706</b>	<b>\$42,460</b>	<b>\$54,585</b>	<b>\$22,304</b>	<b>\$82,368</b>	<b>\$10,022</b>
<b>Grand Sum</b>	<b>\$68,450,976</b>	<b>\$20,247,864</b>	<b>\$44,848,780</b>	<b>\$3,354,332</b>	<b>\$4,312,193</b>	<b>\$1,762,000</b>	<b>\$6,507,061</b>	<b>\$791,769</b>

\* Report sorted Alphabetically by Center Acronym.

<sup>^</sup> Denotes centers on no cost extension, they did not receive any additional NSF IUCRC funding during the reporting period.

<sup>^^</sup> Denotes centers on a no cost extension that have carried forward funds from the previous year. They did not receive any additional NSF IUCRC funding during the reporting period.

**Table 3: FY2024 Capital and In-Kind Support**

Total Capital In-Kind = Funding for the Center provided by other non-Federal funding sources, foundations, etc.(sum of “Capital and In-Kind Support” columns).  
Admin % = Estimated percentage of the primary site’s direct operating budget allocated to administration (e.g., administrative salaries, travel, telephone).

Center Acronym	Program Income + NSF/IUCRC	Capital and In-Kind Support					Admin %	
		Total Capital In-Kind	Equipment	Facilities	Personnel	Software		Other Support
AMBIC	\$2,732,500	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	15%
ASAP	\$ 690,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	0%
ASIC	\$ 125,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	0%
ATOMIC	\$ 576,470	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	52%
BEST	\$ 595,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	29%
BRAIN	\$ 811,955	\$ 100,974	\$ 29,174	\$ 0	\$ 0	\$ 0	\$ 71,800	21%
BWAC	\$ 400,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	60%
C2SHIP	\$2,250,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	17%
CAAMS	\$2,110,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	43%
CAC	\$ 630,926	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	3%
CADMIM	\$ 687,000	\$ 110,000	\$ 0	\$ 0	\$ 0	\$ 60,000	\$ 50,000	36%
CAEML	\$1,000,031	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	13%
CAFS	\$2,625,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	8%
CAKE	\$ 438,000	\$ 80,000	\$ 0	\$ 0	\$ 50,000	\$ 30,000	\$ 0	0%
CAMTech	\$ 716,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	14%
CANFSA	\$ 580,375	\$ 57,000	\$ 0	\$ 0	\$ 0	\$ 57,000	\$ 0	17%
CARD	\$ 620,980	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	17%
CARFS	\$ 370,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	0%
CARTA	\$2,330,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	6%
CASERM	\$1,966,710	\$1,200,000	\$1,200,000	\$ 0	\$ 0	\$ 0	\$ 0	2%
CB2	\$1,105,602	\$3,688,354	\$3,030,000	\$ 498,844	\$159,510	\$ 0	\$ 0	19%
CBL	\$ 300,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	17%
CBM	\$1,000,000	\$ 12,000	\$ 12,000	\$ 0	\$ 0	\$ 0	\$ 0	57%
CCAA	\$ 205,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	97%
CCBGM	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	0%
CDMI	\$ 605,796	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	50%
CDP	\$ 805,657	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	26%
CeFO	\$ 878,000	\$ 30,000	\$ 0	\$ 0	\$ 30,000	\$ 0	\$ 0	21%
CEHMS	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	0%
CEIF	\$ 946,667	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	14%
CEMC	\$2,570,000	\$ 75,000	\$ 75,000	\$ 0	\$ 0	\$ 0	\$ 0	3%
CenTiRe	\$ 843,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	15%
CEPS	\$ 737,000	\$ 150,000	\$ 0	\$ 100,000	\$ 50,000	\$ 0	\$ 0	12%

(continued)

Center Acronym	Program Income + NSF/IUCRC	Total Capital In-Kind	Equipment	Facilities	Personnel	Software	Other Support	Admin %
CeRCaS	\$ 800,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	23%
CfM	\$ 380,068	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	16%
CGMG	\$1,207,315	\$ 500,000	\$ 400,000	\$ 0	\$ 0	\$ 100,000	\$ 0	6%
CHECCS	\$ 175,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	164%
CHEST	\$2,175,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	24%
CHMI	\$ 840,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	54%
CICI	\$1,019,231	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	5%
CIMSEPP	\$ 950,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	31%
CISIA	\$ 424,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	61%
CITeR	\$1,197,981	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	10%
CITES	\$ 675,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	57%
CQT	\$ 850,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	31%
CR3	\$ 750,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	8%
CRAFT	\$ 825,000	\$1,337,196	\$ 0	\$1,045,909	\$284,674	\$ 0	\$ 6,613	15%
CRSS	\$ 500,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	17%
DATA	\$ 350,000	\$ 132,890	\$ 0	\$ 0	\$118,240	\$ 10,000	\$ 4,650	13%
eCAT	\$ 625,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	0%
EPICA	\$ 692,000	\$1,553,905	\$ 553,905	\$ 0	\$ 0	\$1,000,000	\$ 0	38%
ES2	\$1,664,640	\$ 396,604	\$ 396,604	\$ 0	\$ 0	\$ 0	\$ 0	12%
EV-ST5	\$ 575,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	28%
GRAPES	\$ 970,686	\$ 48,250	\$ 17,250	\$ 0	\$ 11,000	\$ 0	\$ 20,000	11%
HVT	\$ 120,000	\$ 10,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 10,000	0%
IDEAS	\$ 975,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	25%
Ma2JIC	\$1,833,846	\$2,867,015	\$ 50,000	\$ 0	\$ 0	\$1,746,788	\$1,070,227	10%
MAST	\$ 855,346	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	22%
MDS-Rely	\$ 422,523	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	77%
MIST	\$1,153,923	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	9%
MIXR	\$ 675,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	67%
PEAB	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	0%
PMIC	\$ 106,250	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	126%
PPI	\$ 525,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	14%
QCIT	\$ 250,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	43%
ROSE-HUB	\$ 764,500	\$ 100,000	\$ 100,000	\$ 0	\$ 0	\$ 0	\$ 0	30%
SCEMFIS	\$ 721,966	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	23%
SHAP3D	\$ 474,978	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	18%
SHREC	\$2,341,262	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	7%
SMART	\$ 605,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	50%

(continued)

<b>Center Acronym</b>	<b>Program Income + NSF/IUCRC</b>	<b>Total Capital In-Kind</b>	<b>Equipment</b>	<b>Facilities</b>	<b>Personnel</b>	<b>Software</b>	<b>Other Support</b>	<b>Admin %</b>
SoilTech	\$1,000,000	\$ 4,000	\$ 4,000	\$ 0	\$ 0	\$ 0	\$ 0	0%
SPF2050	\$ 971,956	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	3%
STCA	\$ 720,978	\$ 850,000	\$ 500,000	\$ 200,000	\$150,000	\$ 0	\$ 0	19%
WEP	\$1,000,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	4%
WGRC	\$ 400,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	6%
WHIP	\$ 625,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	36%
WindSTAR	\$ 889,054	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	16%
WIRC	\$ 570,804	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	14%
WISER	\$ 550,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	57%
<b>Grand Mean</b>	<b>\$866,468</b>	<b>\$168,395</b>	<b>\$80,607</b>	<b>\$23,351</b>	<b>\$10,803</b>	<b>\$38,023</b>	<b>\$15,611</b>	<b>26%</b>
<b>Grand Sum</b>	<b>\$68,450,976</b>	<b>\$13,303,188</b>	<b>\$6,367,933</b>	<b>\$1,844,753</b>	<b>\$853,424</b>	<b>\$3,003,788</b>	<b>\$1,233,290</b>	<b>N/A%</b>

**Table 4: FY2024 Industry Membership Descriptors***FY2024 Memberships*

Current = Number of memberships this year.

Starting = Number of memberships in the previous reporting year.

New = Count of new memberships added this year.

Terminated = Count of terminated memberships this year.

*Lifetime Memberships*

Starting = Sum of all original memberships.

New = Sum of all original memberships plus all reported new memberships.

Terminated = Sum of all terminated memberships.

*Annual Fees = Annual membership fees for respective Center membership types.*

Center Acronym	FY2024 Memberships				Lifetime Memberships			Annual Fees		
	Current	Starting	New	Terminated	Starting	New	Terminated	Primary	Secondary	Tertiary
AMBIC	32	33	1	2	16	32	4	\$ 65,000		
ASAP	9	9	9	0	9	9	0	\$ 60,000		
ASIC	12	12	0	0	14	19	8	\$ 50,000		
ATOMIC	10	10	0	2	12	23	13	\$ 45,000	\$ 22,500	
BEST	10	10	2	2	11	13	2	\$ 50,000	\$ 25,000	\$ 5,000
BRAIN	14	12	4	1	11	21	13	\$ 50,000	\$ 25,000	
BWAC	14	15	0	1	16	45	32	\$ 50,000	\$ 25,000	
C2SHIP	21	18	2	0	14	16	0	\$ 50,000	\$ 25,000	
CAAMS	21	26	0	6	26	0	6	\$ 50,000		
CAC	8	10	0	5	13	61	44	\$ 50,000	\$ 25,000	
CADMIM	11	11	1	0	13	25	14	\$ 50,000		
CAEML	14	12	2	1	12	19	8	\$ 60,000		
CAFS	81	102	0	22	68	291	209	\$ 25,000	\$ 12,500	
CAKE	9	20	0	11	10	100	71	\$ 50,000	\$ 25,000	\$ 5,000
CAMTech	8	13	0	5	7	16	9	\$ 60,000	\$ 30,000	
CANFSA	11	9	2	0	9	29	12	\$ 57,000	\$ 28,500	
CARD	17	12	5	0	9	24	6	\$ 50,000	\$ 25,000	\$ 5,000
CARFS	7	0	7	0	17	33	20	\$ 50,000		
CARTA	16	15	1	0	11	18	6	\$ 50,000		
CASERM	34	28	12	6	7	38	7	\$ 50,000	\$ 25,000	
CB2	23	27	2	6	31	63	39	\$ 35,000	\$ 17,500	\$ 5,000
CBL	6	5	1	1	26	39	26	\$ 50,000	\$ 25,000	
CBM	13	13	2	2	12	16	4	\$ 50,000	\$ 25,000	
CCAA	8	8	0	0	7	21	14	\$ 50,000		
CCBGM	3	3	0	0	7	10	7	\$ 50,000		
CDMI	10	12	0	2	7	26	28	\$ 40,000	\$ 20,000	
CDP	24	24	0	0	24	38	13	\$ 41,674	\$ 13,892	
CeFO	18	16	3	1	7	42	23	\$ 60,000	\$ 30,000	\$ 15,000
CEHMS	16	16	0	0	11	45	29			

(continued)

Center Acronym	Current	Starting	New	Terminated	Starting	New	Terminated	Primary	Secondary	Tertiary
CEIF	17	16	3	2	15	18	2	\$ 50,000	\$ 25,000	
CEMC	34	31	11	7	15	123	79	\$ 70,000	\$ 35,000	
CenTiRe	22	21	2	1	18	27	17	\$ 42,500	\$ 21,250	
CEPS	10	8	2	0	11	2	0	\$ 50,000	\$ 25,000	
CeRCaS	14	17	3	6	7	25	17	\$ 50,000	\$ 25,000	
CfM	7	6	1	0	8	23	15	\$ 45,000	\$ 25,000	
CGMG	9	9	0	0	10	13	4	\$ 50,000	\$ 25,000	
CHECCS	10	8	2	0	10	12	0	\$ 50,000	\$ 25,000	\$ 10,000
CHEST	26	23	2	2	24	33	9	\$ 50,000	\$ 25,000	
CHMI	14	14	3	3	13	16	3	\$ 30,000	\$ 15,000	
CICI	34	41	4	11	15	110	79	\$ 50,000	\$ 30,000	\$ 15,000
CIMSEPP	16	13	3	3	13	3	3	\$ 50,000	\$ 25,000	
CISIA	8	8	0	0	8	8	0	\$ 50,000	\$ 25,000	
CITeR	25	22	3	2	8	84	70	\$ 50,000	\$ 10,000	
CITES	6	6	3	3	8	11	3	\$ 50,000	\$ 25,000	
CQT	10	12	2	4	12	2	4	\$ 50,000	\$ 25,000	
CR3	16	15	1	0	14	51	37	\$ 40,000		
CRAFT	19	17	6	4	17	23	4	\$ 50,000	\$ 25,000	
CRSS	7	9	0	2	10	28	20	\$ 50,000	\$ 15,000	
DATA	11	10	1	0	10	1	0	\$ 40,000	\$ 20,000	
eCAT	4	4	4	0	4	4	0	\$ 50,000	\$ 25,000	
EPICA	13	16	1	4	13	14	4	\$ 61,500		
ES2	21	22	3	4	15	63	35	\$ 50,000	\$ 25,000	
EV-STIS	4	2	2	0	18	33	21	\$ 50,000	\$ 25,000	
GRAPES	20	21	1	2	17	50	32	\$ 50,000	\$ 25,000	\$ 5,000
HVT	11	11	0	0	13	27	16	\$ 40,000	\$ 20,000	
IDEAS	7	7	7	0	7	7	0	\$ 75,000	\$ 37,500	
Ma2JIC	32	36	1	4	25	106	67	\$ 55,000	\$ 27,500	
MAST	15	17	2	4	8	39	29	\$ 60,000	\$ 30,000	
MDS-Rely	8	9	0	2	7	7	2	\$ 50,000	\$ 25,000	
MIST	14	11	0	0	10	32	23	\$ 50,000	\$ 25,000	
MIXR	7	3	4	0	3	4	0	\$ 50,000	\$ 25,000	
PEAB	14	14	0	0	9	16	1	\$ 50,000		
PMIC	8	10	1	4	2	14	7	\$ 50,000	\$ 25,000	
PPI	3	4	0	1	7	5	1	\$ 75,000	\$ 37,500	
QCIT	2	2	2	0	2	2	0	\$ 100,000	\$ 50,000	\$ 35,000
ROSE-HUB	14	11	5	2	15	53	35	\$ 35,000	\$ 10,000	
SCEMFIS	14	14	1	1	9	18	5	\$ 50,000	\$ 25,000	
SHAP3D	11	15	0	4	10	19	10	\$ 50,000	\$ 15,000	\$ 5,000
SHREC	41	59	1	20	35	66	65	\$ 50,000		
SMART	8	7	0	1	7	7	1	\$ 50,000	\$ 25,000	

(continued)

<b>Center Acronym</b>	<b>Current</b>	<b>Starting</b>	<b>New</b>	<b>Terminated</b>	<b>Starting</b>	<b>New</b>	<b>Terminated</b>	<b>Primary</b>	<b>Secondary</b>	<b>Tertiary</b>
SoilTech	8	8	8	0	8	8	0	\$ 50,000	\$ 25,000	
SPF2050	12	17	1	6	6	55	43	\$ 50,000	\$ 25,000	
STCA	8	8	1	1	10	43	30	\$ 50,000		
WEP	11	11	0	0	6	29	20	\$ 50,000	\$ 25,000	
WGRC	9	9	1	1	12	17	9	\$ 50,000		
WHIP	6	6	1	1	6	9	3	\$ 50,000		
WindSTAR	17	18	0	1	10	23	9	\$ 47,641	\$ 17,865	
WIRC	8	9	1	2	12	13	2	\$ 50,000	\$ 25,000	
WISER	8	8	8	0	8	8	0	\$ 50,000		
<b>Grand Mean</b>	<b>15</b>	<b>15</b>	<b>2</b>	<b>2</b>	<b>13</b>	<b>32</b>	<b>19</b>	<b>50,194</b>	<b>20,368</b>	<b>4,038</b>
<b>Grand Sum</b>	<b>1,153</b>	<b>1,196</b>	<b>164</b>	<b>191</b>	<b>997</b>	<b>2,536</b>	<b>1,503</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

\* If an annual fee type is blank, that indicates that type of membership is not offered by the Center.

**Table 5: FY2024 Human Resources**

Total Staff = Total number of students, researchers, and administrators working at a Center.

Total Admins = Staff who primarily work on Center administration.

Faculty Scientists = Center Director(s) and Faculty Researchers working on Center-funded projects.

Research Staff = Non-faculty researchers working on Center-funded projects.

Postdocs = Postdoctoral researchers working on Center-funded projects.

Total Researchers = Sum of all Faculty Scientists, Research Staff, and Postdocs. Students = Students working on Center-funded projects.

Total Students = Sum of all PhD, Masters, and Undergraduate students.

Center Acronym	Total Staff	Total Admins	Researchers			Total Researchers	Students			Total Students
			Faculty Scientists	Research Staff	Postdocs		PhD	Masters	Undergraduate	
AMBIC	102	6	32	5	1	38	40	11	7	58
ASAP	30	1	10	0	1	11	18	0	0	18
ASIC	52	1	19	0	3	22	27	0	2	29
ATOMIC	41	3	16	1	2	19	10	2	7	19
BEST	28	1	11	1	0	12	5	6	4	15
BRAIN	123	3	27	1	3	31	19	28	42	89
BWAC	45	2	20	0	3	23	16	2	2	20
C2SHIP	176	6	47	9	20	76	31	9	54	94
CAAMS	81	5	24	0	3	27	17	14	18	49
CAC	46	0	15	0	3	18	13	9	6	28
CADMIM	58	2	9	2	3	14	13	3	26	42
CAEML	36	2	13	0	2	15	18	0	1	19
CAFS	78	6	25	15	4	44	12	11	5	28
CAKE	18	0	8	0	1	9	5	2	2	9
CAMTech	40	1	17	0	13	30	4	2	3	9
CANFSA	12	1	5	0	1	6	5	0	0	5
CARD	26	2	9	0	0	9	11	1	3	15
CARFS	43	4	19	5	3	27	5	2	5	12
CARTA	70	4	28	1	4	33	25	6	2	33
CASERM	100	1	33	3	2	38	17	26	18	61
CB2	83	2	41	4	10	55	15	2	9	26
CBL	29	1	8	0	0	8	18	0	2	20
CBM	84	2	25	2	3	30	52	0	0	52
CCAA	59	2	17	1	0	18	17	10	12	39
CCBGM	36	2	23	1	0	24	8	0	2	10
CDMI	44	4	21	7	2	30	6	3	1	10
CDP	42	2	18	0	2	20	17	0	3	20
CeFO	56	4	16	4	0	20	20	1	11	32
CEHMS	9	0	3	0	2	5	3	1	0	4



(continued)

Center Acronym	Total Staff	Total Admins	Faculty Scientists	Research Staff	Postdocs	Total Researchers	PhD	Masters	Undergraduate	Total Students
CEIF	51	2	15	0	2	17	8	9	15	32
CEMC	66	2	9	3	4	16	28	9	11	48
CenTiRe	49	1	20	0	1	21	23	2	2	27
CEPS	44	2	10	6	2	18	14	4	6	24
CeRCaS	55	1	18	1	6	25	18	0	11	29
CfM	21	1	9	0	0	9	10	1	0	11
CGMG	35	1	9	2	11	22	9	0	3	12
CHECCS	57	6	37	0	0	37	5	7	2	14
CHEST	88	3	27	1	2	30	33	9	13	55
CHMI	38	5	14	0	0	14	10	3	6	19
CICI	77	2	17	11	6	34	17	10	14	41
CIMSEPP	28	1	8	1	1	10	12	2	3	17
CISIA	26	2	10	0	2	12	7	2	3	12
CITeR	116	1	23	0	1	24	50	19	22	91
CITES	18	2	7	0	1	8	3	3	2	8
CQT	64	1	33	0	3	36	19	0	8	27
CR3	14	2	6	1	0	7	3	2	0	5
CRAFT	54	2	16	0	0	16	15	0	21	36
CRSS	31	3	12	0	0	12	12	2	2	16
DATA	19	0	8	1	3	12	0	3	4	7
eCAT	50	3	9	4	2	15	19	6	7	32
EPICA	33	2	11	2	1	14	16	0	1	17
ES2	85	5	11	1	5	17	32	20	11	63
EV-STs	29	2	16	0	1	17	8	2	0	10
GRAPES	42	2	11	0	3	14	15	8	3	26
HVT	18	0	8	1	2	11	4	1	2	7
IDEAS	21	2	10	0	0	10	7	2	0	9
Ma2JIC	90	4	21	2	11	34	9	12	31	52
MAST	62	3	19	0	6	25	28	1	5	34
MDS-Rely	37	2	15	0	3	18	4	3	10	17
MIST	67	1	20	0	7	27	28	3	8	39
MIXR	20	5	8	5	0	13	1	0	1	2
PEAB	20	0	13	1	0	14	4	2	0	6
PMIC	31	4	9	0	1	10	12	3	2	17
PPI	34	2	10	0	0	10	16	6	0	22
QCIT	9	1	8	0	0	8	0	0	0	0
ROSE-HUB	77	4	18	3	1	22	11	22	18	51
SCEMFIS	43	1	22	1	0	23	2	4	13	19

(continued)

Center Acronym	Total Staff	Total Admins	Faculty Scientists	Research Staff	Postdocs	Total Researchers	PhD	Masters	Undergraduate	Total Students
SHAP3D	53	2	22	0	2	24	16	8	3	27
SHREC	92	3	18	1	0	19	27	29	14	70
SMART	24	4	7	0	0	7	4	1	8	13
SoilTech	30	1	14	0	1	15	8	1	5	14
SPF2050	30	1	7	2	2	11	12	4	2	18
STCA	44	2	9	8	3	20	5	0	17	22
WEP	44	2	13	2	5	20	11	2	9	22
WGRC	23	2	9	2	4	15	2	0	4	6
WHIP	34	2	10	5	0	15	15	0	2	17
WindSTAR	59	3	21	0	0	21	27	6	2	35
WIRC	46	2	19	0	4	23	0	18	3	21
WISER	49	5	12	21	4	37	7	0	0	7
<b>Grand Mean</b>	<b>49</b>	<b>2</b>	<b>16</b>	<b>2</b>	<b>3</b>	<b>21</b>	<b>14</b>	<b>5</b>	<b>7</b>	<b>26</b>
<b>Grand Sum</b>	<b>3894</b>	<b>182</b>	<b>1267</b>	<b>150</b>	<b>204</b>	<b>1621</b>	<b>1113</b>	<b>402</b>	<b>576</b>	<b>2091</b>

**Table 6: FY2024 Center Director Descriptor**

Time Allocation = Percentage allocation of the primary center director's full-time equivalent for budgetary purposes.

Center Acronym	Time Allocation (%)				
	Center Administration	Other Administration	Research	Teaching	Other
AMBIC	20	0	50	30	0
ASAP	25	5	35	20	15
ASIC	30	5	35	25	5
ATOMIC	10	10	40	20	20
BEST	25	10	30	30	5
BRAIN	25	25	30	10	10
BWAC	20	0	50	10	20
C2SHIP	40	10	40	0	10
CAAMS	5	5	30	40	20
CAC	8	50	20	20	2
CADMIM	10	25	40	20	5
CAEML	15	0	40	25	20
CAFS	25	25	20	20	10
CAKE	10	5	40	25	20
CAMTech	30	10	60	0	0
CANFSA	15	15	40	20	10
CARD	25	5	40	25	5
CARFS	10	30	20	20	20
CARTA	25	5	40	20	10
CASERM	20	10	40	30	0
CB2	10	23	32	22	13
CBL	8	0	42	40	10
CBM	10	10	55	15	10
CCAA	10	10	75	0	5
CCBGM	15	5	35	20	25
CDMI	5	25	40	20	10
CDP	25	20	25	15	15
CeFO	30	5	50	0	15
CEHMS	20	15	45	20	0
CEIF	60	5	15	10	10
CEMC	15	10	45	20	10
CenTiRe	15	10	55	20	0
CEPS	10	10	35	35	10
CeRCaS	30	10	30	20	10
CfM	10	30	35	15	10

(continued)

<b>Center Acronym</b>	<b>Center Administration</b>	<b>Other Administration</b>	<b>Research</b>	<b>Teaching</b>	<b>Other</b>
CGMG	4	13	23	60	0
CHECCS	40	0	30	20	10
CHEST	10	5	50	25	10
CHMI	25	10	25	25	15
CICI	13	6	45	30	6
CIMSEPP	35	5	35	20	5
CISIA	20	20	60	0	0
CITeR	25	0	40	25	10
CITES	3	87	10	0	0
CQT	8	5	50	30	7
CR3	15	15	40	20	10
CRAFT	30	10	0	20	40
CRSS	15	20	25	30	10
DATA	15	1	79	3	2
eCAT	20	20	20	30	10
EPICA	20	30	25	20	5
ES2	10	50	35	0	5
EV-ST5	15	5	50	25	5
GRAPES	15	35	30	10	10
HVT	10	5	40	45	0
IDEAS	30	20	30	20	0
Ma2JIC	15	20	45	15	5
MAST	10	5	50	30	5
MDS-Rely	15	10	35	35	5
MIST	8	77	5	5	5
MIXR	10	50	30	0	10
PEAB	10	10	40	40	0
PMIC	7	10	24	59	0
PPI	50	10	30	0	10
QCIT	15	9	36	30	10
ROSE-HUB	15	15	60	0	10
SCEMFIS	35	5	45	10	5
SHAP3D	5	35	25	25	10
SHREC	20	40	25	15	0
SMART	10	0	45	25	20
SoilTech	10	50	30	0	10
SPF2050	20	15	35	30	0
STCA	20	10	40	20	10

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<b>Center Acronym</b>	<b>Center Administration</b>	<b>Other Administration</b>	<b>Research</b>	<b>Teaching</b>	<b>Other</b>
WEP	20	10	40	25	5
WGRC	10	10	60	10	10
WHIP	25	5	0	0	70
WindSTAR	20	30	30	10	10
WIRC	30	25	25	15	5
WISER	5	35	30	5	25
<b>Grand Mean</b>	<b>18.09</b>	<b>16.28</b>	<b>36.47</b>	<b>19.54</b>	<b>9.62</b>

**Table 7: FY2024 Center Outcomes**

Students Receiving Degree = Number of Center-trained Ph.D./M.D.'s, M.S.'s, and B.A./B.S.'s that received a degree during the reporting period.

Students Hired by Members = Number of Ph.D./M.D.'s, M.S.'s, and B.A./B.S.'s that were hired by industry and government members during the reporting period.

Publications = Publications in the open literature the Center researchers produced based on Center research, including publications reported that have a Center member as an author.

Presentations = Presentations made about Center projects.

Projects = Research projects funded by either: a) IAB member fees, b) NSF IUCRC support, or c) any other support that would not have been obtained without the existence of the Center AND the results of which are shared with ALL Center members.

Center Acronym	Students Receiving Degree			Students Hired by Members			Publications			Projects
	BS Grad	MS Grad	PhD Grad	BS Hired	MS Hired	PhD Hired	w/ Ctr Research	w/ IAB Members	Presentations	
AMBIC	4	0	14	0	0	8	23	2	34	27
ASAP	0	0	1	0	0	1	0	0	6	6
ASIC	0	0	5	0	0	0	15	6	18	1
ATOMIC	1	1	0	0	0	0	10	1	36	8
BEST	4	5	0	1	1	0	3	3	8	6
BRAIN	16	1	2	0	0	0	11	3	25	10
BWAC	0	3	9	0	1	3	44	9	29	8
C2SHIP	19	6	7	2	1	1	22	23	73	18
CAAMS	6	5	1	0	0	1	15	4	18	18
CAC	3	10	6	4	2	7	18	4	12	8
CADMIM	25	1	7	0	0	1	8	1	70	8
CAEML	1	1	1	0	1	1	13	2	13	10
CAFS	3	6	5	0	2	2	21	3	77	18
CAKE	4	2	2	0	1	0	12	2	4	7
CAMTech	0	1	0	0	0	0	6	0	4	15
CANFSA	0	0	2	0	0	0	11	5	12	4
CARD	0	1	0	0	0	0	8	0	11	12
CARFS	0	1	2	0	0	0	6	2	32	0
CARTA	0	6	11	0	0	0	63	19	53	14
CASERM	18	6	3	0	0	0	54	28	46	33
CB2	7	1	6	0	0	3	12	0	40	11
CBL	1	0	7	0	0	1	24	12	16	7
CBM	1	0	18	0	0	5	18	6	45	29
CCAA	2	4	2	0	0	0	26	0	29	6
CCBGM	1	0	2	0	0	0	13	6	10	4
CDMI	0	2	0	0	0	1	1	0	12	10
CDP	0	0	1	0	1	0	70	3	33	18
CeFO	5	1	8	0	0	3	20	1	7	11
CEHMS	0	0	0	0	0	0	0	0	0	6
CEIF	1	1	1	0	0	0	1	0	35	11

(continued)

Center Acronym	BS Grad	MS Grad	PhD Grad	BS Hired	MS Hired	PhD Hired	w/ Ctr Research	w/ IAB Members	Presentations	Projects
CEMC	1	1	2	0	1	2	55	50	45	13
CenTiRe	0	1	5	0	0	3	5	5	13	10
CEPS	4	2	2	0	0	0	10	12	59	3
CeRCaS	3	0	13	1	0	10	4	2	10	13
CfM	0	0	4	0	0	2	29	3	24	10
CGMG	0	0	2	0	0	1	9	3	73	10
CHECCS	7	3	1	0	0	0	0	0	7	8
CHEST	14	6	20	1	1	1	56	9	86	31
CHMI	5	4	1	1	1	0	9	0	12	7
CICI	6	4	3	0	1	1	29	12	52	11
CIMSEPP	5	1	2	1	1	1	16	1	28	12
CISIA	0	1	4	0	0	0	8	0	4	7
CITeR	0	9	14	0	0	2	45	2	57	21
CITES	1	2	1	0	0	0	14	1	15	7
CQT	5	0	5	0	0	0	9	0	9	14
CR3	0	2	1	0	0	0	5	0	41	10
CRAFT	1	0	0	0	0	0	6	0	14	10
CRSS	0	1	4	0	0	0	5	0	0	10
DATA	1	1	1	0	0	1	0	0	0	4
eCAT	0	1	1	0	0	1	10	0	24	4
EPICA	1	0	3	0	0	1	8	3	22	6
ES2	4	2	10	0	1	7	25	22	102	10
EV-ST5	0	1	3	0	1	2	18	2	14	4
GRAPES	2	4	2	0	1	1	29	2	23	15
HVT	0	0	3	0	0	1	21	2	7	6
IDEAS	0	0	0	0	0	0	0	0	0	6
Ma2JIC	15	5	6	0	0	4	6	5	25	25
MAST	3	1	6	0	0	1	19	7	26	21
MDS-Rely	6	1	0	1	0	0	3	1	17	6
MIST	2	1	6	1	0	3	8	1	11	29
MIXR	0	0	0	0	0	0	0	0	0	4
PEAB	0	0	1	0	0	0	12	1	10	5
PMIC	3	2	5	0	1	1	8	0	8	10
PPI	0	2	0	0	0	0	22	0	20	8
QCIT	0	0	0	0	0	0	0	0	0	4
ROSE-HUB	15	17	3	0	0	0	19	0	15	7
SCEMFIS	0	1	0	0	0	0	14	0	5	23
SHAP3D	0	0	4	0	0	0	11	1	15	7
SHREC	9	10	6	1	0	4	38	14	48	7
SMART	2	1	0	0	0	0	9	4	6	6

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Center Acronym	BS Grad	MS Grad	PhD Grad	BS Hired	MS Hired	PhD Hired	w/ Ctr Research	w/ IAB Members	Presentations	Projects
SoilTech	0	0	0	0	0	0	0	0	1	8
SPF2050	5	1	4	0	0	2	18	0	12	11
STCA	3	2	1	2	0	1	27	7	77	8
WEP	2	3	2	1	1	1	2	2	2	6
WGRC	0	0	0	0	0	0	6	0	11	7
WHIP	0	0	3	0	0	0	6	5	8	5
WindSTAR	0	1	5	0	0	0	16	1	20	12
WIRC	4	6	0	0	1	0	0	0	1	8
WISER	0	0	1	0	0	0	0	0	47	7



**Table 8: FY2024 Alumni Career Outcomes**

**Table 8a: Centers Reporting One or More Alumni Career Outcome Last Fiscal Year**

<b>Alumni Outcome</b>	<b>Number of Centers</b>	<b>Percent of Centers</b>
Hired by Industry Members	39	49
Hired by Government Members	14	18
Hired by Non Member Industry	52	66
Hired by Non Member Governmental Agency	18	23
Faculty Positions	16	20
Postdoc Positions	26	33
Continuing Education	38	48

**Table 8b: Total Number and Means of Alumni Career Outcomes Last Fiscal Year**

<b>Alumni Outcome</b>	<b>Total for All Centers</b>	<b>Mean for All Centers</b>
Hired by Industry Members	109	1.38
Hired by Government Members	21	0.27
Hired by Non Member Industry	266	3.37
Hired by Non Member Governmental Agency	27	0.34
Faculty Positions	19	0.24
Postdoc Positions	43	0.54
Continuing Education	128	1.62

**Table 9: Intellectual Property & Commercialization Events**

**Table 9a: Centers Reporting One or More Intellectual Property and Commercialization Event Last Fiscal Year**

<b>Intellectual Property Event</b>	<b>Number of Centers</b>	<b>Percent of Centers</b>
Invention Disclosures	28	35
Patent Applications	31	39
Patents Granted/Derived	12	15
Licensing Agreements	6	8
Royalties Realized	0	0
Software copyrights	5	6
Spinoff Companies Formed	5	6

**Table 9b: Total Number and Means of Intellectual Property and Commercialization Events Last Fiscal Year**

<b>Intellectual Property Event</b>	<b>Total for All Centers</b>	<b>Mean for All Centers</b>
Invention Disclosures	59	0.75
Patent Applications	70	0.89
Patents Granted/Derived	23	0.29
Licensing Agreements	11	0.14
Royalties Realized	0	0.00
Software copyrights	10	0.13

**Table 10: International Sites**

<b>Center Acronym</b>	<b>International Site Name</b>	<b>Country</b>
CBL	Tampere University	Finland
CDP	University of Sheffield	United Kingdom
CITeR	Idiap Research Institute	Switzerland
CR3	KU Leuven	Belgium

## Appendix

### NOTES AND SPECIAL CONSIDERATIONS

1. All averages and sums exclude missing data. With the exception of percentages, data from multi-university centers has been aggregated across universities; percentages represent averages for the reporting universities.
2. This report includes only data on Centers which were actively funded or under a no-cost extension in the NSF IUCRC Program during FY2024.
3. Starting with FY2016 we are no longer capturing university contributions nor other cash support. Because we are no longer capturing these funding sources, the total funding for the center is not comparable to reports produced prior to FY2016.