



The Nelson Mandela African Institution of Science and Technology (NM-AIST)
Africa Centre for Research, Agricultural advancement,
Teaching Excellence and Sustainability (CREATES)

Interim Financial Report **July - December, 2020**



NAME OF ACE: Centre for Research Advancement, Teaching Excellence and Sustainability in Food and Nutrition Security (CREATES-FNS)			
Statement of sources and Uses of Funds for the period ending		July to Dec 200	
	Sources of Funds	Period Ending 31/12/2020	Cummulative from Inception to date
	Opening cash balance	509,594.01	509,594.01
	Government Funds	-	
	World Bank IDA Funds	-	
	Other funds		
	Refunds to SA/Retirements		
	Credit		
	Total	-	
	Add receipt		
	Government Funds	-	
	World Bank IDA Funds	-	813,651.68
	Student Fees (IUCEA)	9,590.00	278,614.00
	Refunds to SA/Retirements	886.37	158.00
	Credit	-	62,007.00
	ICTP Conference	3,521.13	3,521.13
	Others(EWA BELT PROJECT)	107,607.80	23,307.25
	Total Financing	631,199.31	1,690,853.07
	Less: Expenditure as per ACE Annual Impelmentation Plan		
	Establish Life Sciences / CREATES-FNS experiential based curricula		
	Improve the CREATES-FNS teaching and learning approach	46,806.57	141,003.27
	Co-create CREATES-FNS teaching and learning environment		-
	Enroll and support Masters and PhD candidates	-	154,454.03
	Strengthen the research framework in CREATES-FNS	48,397.63	190,238.92
	Improve the CREATES-FNS research approach	5,000.00	-
	Quality assurance framework	-	49,920.55
	Equity Dimesions	15,000.00	3,732.02
	Attracting Regional Academic Staff and Students	11,000.00	14,472.15
	Engaging National and Regional Academic Partners		6,472.98
	Attracting National and Regional Sector Partners		-
	International academic collaboration		-
	Center Management and Governance	110,174.92	206,709.92
	Sustainable Financing	14,075.35	-
	Monitoring and Evaluation	25,000.75	113,362.42
	Sub-total	275,455.22	880,366.26
	Bank charges	2,218.08	9,156.47
	Transfers(Credit)	-	305,027.00
	Sub-total	2,218.08	
	Total Expenditure	277,673.30	1,194,549.73
	Closing Balance	353,526.01	

TABLE 17: Name of ACE Centre for Research Advancement,Teaching Excellence and Sustainability in Food and Nutrition Security (CREATES-FNS)										
Uses of Funds(USD) (Breakdown) for the period ending 31/12/2020										
Objective code	Expenditure	Actual	Period ending Planned	Variance	Cumulative from Project Inception to date.					
					Actual	Planned	Variance			
5.1.1	Establish Life Sciences / CREATES-FNS experiential based curricula									
	Affirm / validate the curricula review gaps (for 5.1 and 5.2 simultaneously)	-	-	-	26,816.98	54,000.00	27,183.02	ongoing	5 years	
	Inaugurate the Centre and validate the society and industry needs to inform the curricular review and development	-	-	-	34,591.33	54,000.00	19,408.67	ongoing	5 years	
	Supporting international Accreditation of two programs		-	-	78,837.45	78,837.45	-			
	TCU curriculum approval charges	-	-	-	-	12,000.00	12,000.00	ongoing	5 years	
	International accreditation of curricula	-	-	-	-	-	-			
	Sub-Total	-	-	-	140,245.76	198,837.45	58,591.69			
5.1.2	Improve the CREATES-FNS teaching and learning approach									
	Develop and deliver a T&L module		-	-	26,000.00	26,000.00	-			
	Support short course and exchange programs on T&L for faculty and CREATES-FNS team		-	-	100,000.00	100,000.00	-			
	Supporting international Accreditation of two programs		12,000.00	12,000.00		12,000.00	12,000.00	ongoing	5 years	
	Paying approval or accreditation cost to TCU for national accreditation of 2 programs	7,315.00	8,000.00	685.00	7,315.00	8,000.00	685.00	ongoing	5 years	
	Facilitate short course delivery on pedagogy that will be offered in collaboration with Zhejiang Normal University of China and TCU		35,000.00	35,000.00	-	35,000.00	35,000.00	ongoing	5 years	
	Covering cost for hosting or sending PhD and Faculty staff from/or to other institutions for research or teaching	5,000.00	13,500.00	8,500.00	5,000.00	13,500.00	8,500.00	ongoing	5 years	
	Support recruitment and retaining of one post docs in teaching , supervising the students and developing funding proposals	10,000.00	20,000.00	10,000.00	10,000.00	20,000.00	10,000.00	ongoing	5 years	
	Support Development of NM-AIST hostel to accommodate the lactating mothers	4,491.57	150,000.00	145,508.43	4,491.57	150,000.00	145,508.43	ongoing	5 years	
	Improving NM-AIST Laboratory facility through equipment and furnishing	5,000.00	25,000.00	20,000.00	5,000.00	25,000.00	20,000.00	ongoing	5 years	
	Support students with concrete research findings, products and innovations to disseminate and sharing their outputs to industries and community	15,000.00	15,000.00	-	15,000.00	15,000.00	-	ongoing	5 years	
	Conducting two joint short courses with CREATES Partners to; students and Faculty Members	-	15,000.00	15,000.00	-	15,000.00	15,000.00	ongoing	5 years	
	Sub-Total	46,806.57	293,500.00	246,693.43	172,806.57	419,500.00	246,693.43			
5.1.3	Co-create CREATES-FNS teaching and learning environment					-	-			
	Recruit, retain and engage a hybrid and dynamic human resource		-	-	-	42,000.00	42,000.00	ongoing	5 years	
	Facilitate experimental / applied opportunities and short internship programmes and exchange for students and faculty in the appropriate industry	-	-	-	-	10,000.00	10,000.00	ongoing	5 years	
	Open opportunities for key partner to create their own set of environments for T&L	-	-	-	-	12,000.00	12,000.00	ongoing	5 years	
	Improve software for modeling simulations and laptops/computers to facilitate e-learning and virtual access to international resources (SOFTWARE)	-	-	-	-	40,000.00	40,000.00	ongoing	5 years	
	Upgrade/ procure extra accessories and equipment including Bio repository for running the laboratory and other teaching activities (working benches, inverters/generators etc) incubation?	-	-	-	-	55,000.00	55,000.00	ongoing	5 years	
	Sub-total	-	-	-	-	159,000.00	159,000.00			
5.1.4	Enroll and support Masters and PhD candidates									
	Support a recruitment process for excellence of MSc and PhD students under CREATES-FNS	-	-	-	90,891.37	90,000.00	(891.37)			
	Offset Tuition fees plus stipend for PhD students under CREATES-FNS	-	-	-	389,612.47	385,547.07	(4,065.40)			
	Offset Tuition fees plus stipend for MSc students under CREATES-FNS	-	-	-	252,788.56	255,000.00	2,211.44	ongoing		
	Sub-Total	-	-	-	733,292.40	730,547.07	(2,745.33)			
5.2.1	Research Excellence									
	Strengthen the research framework in CREATES-FNS				-					
	Support development of Bioengineering Laboratory at NM-AIST in collaboration Hunan University of Technology (HUT)	7,111.00	100,000.00	92,889.00	7,111.00	7,111.00	-			
	Validate the society and industry needs to inform the research agenda in alignment with the curriculum				-	-				
	Establishment of Demonstration plots/farm facilities for practical trainings, research and income generation (A knowledge & Skill Platform)	35,000.00	85,000.00	50,000.00	35,000.00	70,000.00	35,000.00			
	Facilitating participation of CREATES in knowledge exchange events and conferences (TCU exhibition, Nanenane (soapbox) and Mandela SETI Week)	6,286.63	10,000.00	3,713.37	6,286.63	12,573.26	6,286.63			
	Support researches by PhD students in FNS	-	-	-	126,633.08	122,345.00	(4,288.08)			
	Support researches by Msc students in FNS	-	-	-	-	30,000.00	30,000.00	ongoing	5 years	
	Sub-Total	48,397.63	195,000.00	146,602.37	175,030.71	242,029.26	66,998.55			

5.2.2	Improve the CREATES-FNS research approach					-	-				
	Develop and deliver a R4D module program for faculty	-	-	-	-	-	-				
	Support Mandela week, exhibitions and innovation sessions	-	-	-	3,214.00	20,000.00	16,786.00	ongoing	5 years		
	Upgrade/ procure extra accessories and equipment including Biorepository for running the laboratory and other research activities (working benches, inverters/generators etc) incubation?		-	-	42,872.47	55,000.00	12,127.53	ongoing	5 years		
	Support publication of research findings	5,000.00	-	(5,000.00)	2,998.74	5,000.00	2,001.26	ongoing	5 years		
	Facilitate knowledge exchange activities (attendance and participation in international conferences and competitions)	-	-	-	28,618.28	25,000.00	(3,618.28)				
	Establish knowledge exchange formats (own Journal, communication, brochures...)	-	-	-	-	-	-				
	Identify and support research mentorship courses/workshops for supervisory excellence	-	-	-	-	20,000.00	20,000.00	ongoing	5 years		
	Procure and maintain one vehicle for students and faculty	-	-	-	24,000.00	80,000.00	56,000.00	ongoing	5 years		
	Sub-Total	5,000.00	-	(5,000.00)	101,703.49	205,000.00	103,296.51				
5.3.0	Quality assurance framework					-	-				
	Support Accreditation and Certification of NM-AIST testing Laboratory	-	15,000.00	15,000.00	755.00	15,755.00	15,000.00	ongoing	5 years		
	Training all CREATES-FNS faculty on Quality Assurance (short-course) in combination with Monitoring and Evaluations (relevant for 5.1. and 5.2.)	-	-	-	42,837.31	38,000.00	(4,837.31)				
	Participate in the Partnership of Applied Sciences, Engineering and Technology (PASET) benchmarking exercise.	-	-	-	-	3,000.00	3,000.00	ongoing	5 years		
	Support acquisition and retention of ISO 9000 and ISO 17025 certificates	-	-	-	-	10,000.00	10,000.00	ongoing	5 years		
	Sub-Total	-	15,000.00	15,000.00	43,592.31	66,755.00	23,162.69				
5.4.0	Equity Dimensions					-	-				
	Support implementation of NM-AIST Gender policy	-	8,000.00	8,000.00	3,000.00	5,000.00	2,000.00	ongoing	5 years		
	Participate in ongoing AWARD activities (mentorship courses, best performance recruitment)	5,000.00	5,000.00	-	4,464.04	3,000.00	(1,464.04)		5 years		
	Sensitizing young girls and boys in secondary schools and colleges to participate in Sciences, Engineering, and Mathematics and Technology subjects (in collaboration STEMi program)	5,000.00	10,000.00	5,000.00	-	9,000.00	9,000.00	ongoing	5 years		
	Conducting training to women, special groups, youth and other small scale processors on food processing, value addition, packaging and marketing	5,000.00	20,000.00	15,000.00	-	-	-				
	Sub-Total	15,000.00	43,000.00	28,000.00	7,464.04	17,000.00	9,535.96				
5.5.0	Attracting Regional Academic Staff and Students					-	-				
	Updating and maintaining Centre -website with opportunities and CREATES capacities for Attracting Regional Academic Staff and Students	5,000.00	9,000.00	4,000.00	-	-	-				
	To participate in Regional organized events by IUCEA and forums to showcase CREATES capacity and opportunities to attracting Regional Students and staff		11,000.00	11,000.00	-	1,000.00	1,000.00	ongoing	5 years		
	Showcase the capacity of CREATES-FNS to faculty, research scientists and students from the region	6,000.00	8,000.00	2,000.00	-	-	-				
	Sensitize targeted audiences in the region to showcase the programs offered by CREATES-FNS		-	-	26,244.25	26,000.00	(244.25)				
	Support e-recruitment and e-admission portal and update it regularly (Budget under ICT)	-	-	-	-	3,000.00	3,000.00	ongoing	5 years		
	Support international staff and student information office - together with WISE	-	-	-	-	3,000.00	3,000.00	ongoing	5 years		
	Sub-Total	11,000.00	28,000.00	17,000.00	26,244.25	33,000.00	6,755.75				
5.6.0	Engaging National and Regional Academic Partners					-	-				
	Facilitate co-supervision with regional partners		5,000.00	5,000.00	6,549.00	5,000.00	(1,549.00)				
	Build capacity for e-communication / knowledge exchange at each key partner site	-	-	-	5,440.00	6,000.00	560.00	ongoing	5 years		
	Support joint teaching among the National and Regional academic partners		9,000.00	9,000.00	-	9,000.00	9,000.00	ongoing	5 years		
	Sensitize targeted audiences in the region to showcase the knowledge products of CREATES-FNS		-	-	5,911.00	6,000.00	89.00	ongoing	5 years		
	Sub-Total	-	14,000.00	14,000.00	17,900.00	26,000.00	8,100.00				
5.7.0	Attracting National and Regional Sector Partners					-	-				
	Extending CREATES-FNS reach multi-level and inter-sectorial	-	-	-	993.45	1,000.00	6.55				
	Develop and implement an inclusiveness strategy for multi-level and inter-sectorial partners (including a listserv, consistent ways of prioritizing who can participate, transparent)	-	5,000.00	5,000.00	3,560.00	5,000.00	1,440.00	ongoing	5 years		
	Organize and conducting outreach activities in collaboration with National and Regional Partners sectors partners (Private and public institutions) to promote technology and knowledge transfer, skills dissemination for addressing challenges facing community and industries	-	30,000.00	30,000.00	-	30,000.00	30,000.00	ongoing	5 years		
	Participate in National and Regional sectors forums for showcasing CREATES capacity to attract Sector Partners (eg. National Agricultural policy conference, SAGCOT Partners forum)	-	14,000.00	14,000.00	-	14,000.00	14,000.00	ongoing	5 years		
	Strategies to parallel labor market requirements (gap analysis, ongoing monitoring of labor changes and shifts, new working area, alumni-tracking etc)	-	-	-	-	-	-				
	Quarterly community extension events (work directly with independent farmers, small businesses)	-	-	-	-	-	-				
	Sub-Total	-	49,000.00	49,000.00	4,553.45	50,000.00	45,446.55				

5.8.0	International academic collaboration										
	Facilitate co-supervision with International partners	-	-	-	84,464.90	85,000.00	535.10				
	Acknowledge international successes through multiple strategies	-	-	-	-	-	-				
	sub-total	-	-	-	84,464.90	85,000.00	535.10				
5.9.0	Center Management and Governance										
	Support Review of NM-AIST Corporate Strategic Plan	-	20,000.00								
	Staff and stabilize key leadership positions in each of the core units			-	1,792.45	1,500.00	(292.45)				
	Off-set of Monthly Centre Management Team Salaries and incentives	65,174.92	185,000.00	119,825.08	286,224.24	270,000.00	(16,224.24)		60,674.92		
	Support short-term trainings to Centre Management Team to enhance their performance			-	-	-	-				
	Procurement of equipment, furnishing and office supplies	7,000.00	20,000.00	13,000.00	7,000.00	175,000.00	168,000.00	ongoing	5 years		
	Support recruitment of new Centre staff (Job Advert cost and interview)	4,000.00	5,000.00	1,000.00	8,000.00	8,000.00	-				
	Support short-term trainings to Centre Management Team to enhance their performance	4,000.00	15,000.00								
	Developing CREATES Sustainability Strategy	3,000.00	8,000.00	5,000.00	492.00	8,000.00	7,508.00	ongoing	5 years		
	Support for conducting sub working group, management and governance board meetings	1,500.00	2,000.00	500.00	10,941.81	10,000.00	(941.81)		5 years		
	Covering cost for fuel expenses	3,500.00	5,000.00	1,500.00	-	5,000.00	5,000.00	ongoing	5 years		
	Prepare annual procurement plan			-	-	-	-		5 years		
	Maintenance and repair of the Centre vehicle	3,500.00	5,000.00	1,500.00	-	5,000.00	5,000.00	ongoing	5 years		
	Advertise products and services to be procured	3,500.00	7,000.00	3,500.00	6,018.23	7,000.00	981.77	ongoing	5 years		
	Facilitate meetings of tender Board and tender evaluation committee			-	204.23	300.00	95.77				
	Facilitate NM-AIST/ Centre Leaders to attend Regional Technical Advisory meetings organized by IUCEA/RFU		12,000.00	12,000.00	-	15,000.00	15,000.00				
	Prepare audit report and table it in the Council Audit Committee	4,500.00	12,000.00	7,500.00	4,500.00	6,000.00	1,500.00	ongoing	5 years		
	Procurement of 4 laptops, 1 Desktop computer and 1 Smart table for Data visualization	3,500.00	10,000.00		3,500.00						
	Support the NM-AIST/ Centre Leaders and NSC Members to participate National ACE Steering Committee meetings	7,000.00	10,000.00		7,000.00						
	sub-total	110,174.92	316,000.00	165,325.08	335,672.96	510,800.00	185,627.04				
5.1.0	Sustainable Financing										
	Facilitate development of winning proposal grants (grants writing support, seed money, identifying calls) including research chairs	9,075.35	14,000.00	4,924.65	19,072.00	20,000.00	928.00	ongoing	5 years		
	Conduct demand-/ industry-driven short courses and international conferences on a cost-plus basis	5,000.00	30,000.00	25,000.00	5,000.00	30,000.00	25,000.00	ongoing	5 years		
	Prepare an ethical framework for provision of consultancy services to the industry and society	-	3,000.00	3,000.00	-	3,000.00	3,000.00	ongoing	5 years		
	Sensitize and conduct annual campaigns for philanthropic contributions	-	-	-	-	-	-				
	sub-total	14,075.35	47,000.00	32,924.65	24,072.00	53,000.00	28,928.00				
5.1.1	Monitoring and Evaluation										
	Develop a Monitoring and Evaluation e-System (shared across all key partners, including equity indicators)	4,500.00	6,500.00	2,000.00	10,000.00	10,000.00	-				
	Preparing audit reports (Finance & Procurement) and financial statements	2,500.00	5,000.00	2,500.00	7,984.00	8,000.00	16.00				
	Paying annual Auditing fee (CAG & PPRA)	6,500.75	12,000.00	5,499.25			-				
	Conducting Centre Performance review and planning meeting/workshop	9,500.00	10,000.00	500.00	9,500.00		(9,500.00)				
	Preparing, documenting and sharing of Centre success stories and achievements (newsletters, TV and Radio shows, and audio visual documentary)	2,000.00	20,000.00	18,000.00	2,000.00		(2,000.00)				
	sub total	25,000.75	53,500.00	28,499.25	29,484.00	18,000.00	(11,484.00)				
	GRAND TOTAL	275,455.22	1,054,000.00	738,044.78	1,896,526.84	2,814,468.78	928,441.94				

Centre for Research Advancement, Teaching Excellence and Sustainability in Food and Nutrition Security					
(CREATES-FNS)					
July to December,2020					
Disbursement Linked Indicators	Action to be Completed	Status of Action Completion	Amount Allocated	Amount Disbursed	Amount not Disbursed
DLI # 1 INSTITUTIONAL READINESS					
DLI 1.1 To meet conditions for Effectiveness	for Effectiveness:	Completed	600,000	600,000	0
	The Performance and Finance Agreements executed				
	The National Steering Committee created				
DLI 1.2 Development Of Detailed Implementation Plans	Implementation plan approved by the Ministry of Education, Science, Technology and Vocational Training and accepted by the IUCEA/WB	Completed	500,000	500,000	0
DLI #2:EXCELLENCE IN EDUCATION AND RESEARCH CAPACITY AND DEVELOPMENT IMPACT					
DLR# 2.1: Timely annual implementation of the plans	At least 85% of activities implemented on timely manner	This Indicator restructured and dropped during Midterm Review	N/A	N/A	N/A
DLR #2.2: Newly enrolled students in the ACE of which at least 20% must be regional (African) students	At least 30% of PhD and Masters candidates enrolled are from the region	The following students were enrolled; MSc 27 (2 Regional , 2 Regional Female)	1,300,000	409,602	890,398
	At least 40% of the PhD and Masters candidates are females	PhD students 8 (1 Regional, 1 Regional female)			
	Short courses	Short courses: 16 Participants			
DLR#2.3: Accreditation of quality of education programs	At least three PhD and three MSc programs approved by national and one Master program approved by international	10 New curricular were Nationally Accredited	600,000	300,000	300,000
DLR#2.4: Partnerships for collaboration in applied research and training collaboration	signed annually: 4 with academic institutions, 1 with industry / research institute and 3 with	A total of 22 MoUs were signed (5 private companies & 17 Academic/ Research partners)	200,000	200,000	-
DLR#2.5: Peer-reviewed journal papers or peer-reviewed conference papers prepared collaboratively with national, regional or international co-authors	At least 20 internationally peer reviewed research articulated co-authored	56 papers were published in peer reviewed journals:	500,000	300,000	200,000

	DLR#2.6: Faculty and PhD student exchanges to promote regional research and teaching collaborations	with at least two week internship in a private sector	A total of 18 PhD students and faculty staff participated in exchange programme of at least two weeks for research and	700,000	40,000	660,000
		academic staff with at least two week internship in a private sector				
	DLR#2.7: External revenue generation	At least \$31,000 in year one, \$351,700 in year two, &722,700 in year three and \$602,700 in year four, of external funds	The Centre has generated a total a total of \$ 195,834.34 but yet to be verified	900,000		900,000
	DLR#2.8: Institution participating in benchmarking exercise	CREATES-FNS participates in the Partnership of Applied Sciences, Engineering and Technology (PASET) benchmarking exercise.	The Centre Participated in PASET benchmarking exercise	100,000	100,000	0
	DLI#3: TIMELY, TRANSPARENT AND INSTITUTIONALLY REVIEWED FINANCIAL MANAGEMENT					
	DLR#3.1: Timely Withdrawal applications supported by interim unaudited financial reports for each ACE	Timely Withdrawal applications supported by interim	Withdrawal Application was submitted by the	75,000		75,000
	DLR#3.2 : Functioning audit committee under each Eastern and Southern African Higher Education Institutions	The University Council Audit Committee meets at least four times in a	Four NM-AIST Audit Committee Quarterly meetings were held to discuss Audit	75,000		75,000
	DLR#3.3: Functioning internal audit unit for each Eastern and Southern African Higher Education Institution	Project accounts audited annually and submitted to the Ministry and the IUCEA/WB within six months after the	Quarterly Audits were carried out by the NM-AIST Internal Audit Unit and findings were tabled to the Audit	75,000		75,000
	DLR#3.4: Transparency of financial management (audit reports, interim unaudited financial reports, budgets and Annual Work Programs are all web accessible)	All the audit reports, interim financial reports, budgets and annual work plan	Centre Website was updated with information	75000		75000
	DLI#4: TIMELY AND AUDITED PROCUREMENT					
	DLR# 4.1 Timely procurement audit report for each ACE	Procurement audit report tabled in the Council Audit Committee on quarterly basis	Procurement Audited report was developed and tabled at the Council Audit Committee	150,000		150,000
	DLR#4.2: Timely and satisfactory procurement progress report for each ACE	Procurements are done in accordance with an annual procurement plan, advertised and	Procurement done based on the annual plan developed	150,000		150,000
	GRAND TOTAL			6,000,000	2,449,602	3,550,398