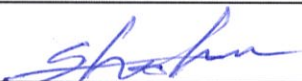
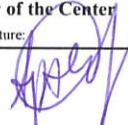
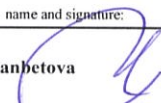


Financial Report

Fiscal Year 2023

Project's title:	'SEDS2021013 Harvesting Basic Oxygen Furnace (BOF) Slags as Construction Materials Using Mineral Sequestration Process in Calcium Looping (CaL) Technology'					
School/ Research Center name:	School of Engineering and Digital Sciences					
Start date:	01.01.2021	End date:	31.12.2023	Budget period:	2021/ 2022/2023	
Currency/	KZT			USD		
Years:	Year 1	Year 2	Year 3	Year 1	Year 2	Year 3
Amount awarded:	21 500 000 KZT	23 000 000 KZT	24 250 000 KZT	50 000 USD	50 000 USD	50 000 USD
Amount spent:	21 039 196 KZT	17 719 041 KZT	21 056 865 KZT	48 928 USD	40 361 USD	44 870 USD
Principal Investigator name and signature:		Acting Dean/ Director of the Center name and signature:		Chief administrative officer name and signature:		
Shon Chang Seon 		Yelyzaveta Arkhangelsky 		Togzhan Nurmagambetova 		

* There was a overlimit in 2022 of the total amount awarded due to equipment price coming from 2021 year.

PAYMENTS TO RESEARCH TEAM MEMBERS

Instructions: Include the names of persons, who were involved on conducting research under the project in a particular budget period. Include all collaborating investigators and other individuals who meet the senior/key person definition if they are from NU or NU's organizations in part «Faculty members, NU collaborating investigators».

Include all collaborating researchers from non-NU organizations in part «External investigators»

The amount spent should be indicated in tenge (KZT) and include taxes and fringe benefits paid by the employer such as health insurance, bonuses, compensations, etc. (see examples in the Table below).

Faculty members, NU collaborating investigators

#	First name	Last name	Position in School/Center	Position in the project	Monthly payment, in USD	Time allocated to the project, in months	Amount spent, in KZT
1							
Subtotal							0

External investigators

#	First name	Last name	Affiliated organization	Position in the project	Monthly/Yearly payment, in USD	Time allocated to the project, in months	Amount spent, in KZT
2021							
1	Shalkar	Moman		Project administrator	200	2	172 000
2	Nadira	Kasenova		Project administrator	200	9	759 667
3	Islam	Orynbasarov		Research assistant	1750	2	1 505 000
4	Zarina	Onoprienko		Research assistant	218	3	280 933
5	Sabrina	Bakirova		Research assistant	181	3	233 490
6	Aidyn	Tugelbayev		Research assistant	375	2	322 500
Subtotal for 2021							3 273 590
2022							
1	Saule	Yermakhanova		Project administrator	200	4	323 933
2	Islam	Orynbasarov		Research assistant	167	6	430 000
Subtotal for 2022							753 933
2023							
1	Saule	Yermakhanova		Project administrator	100	2	92 000

2	Assel	Jussiyeva	Project administrator	200	10	892 400
3	Aizhan	Kisambinova	Research assistant	500	4	904 667
Subtotal for 2023						1 889 067
Total						5 916 590

Students

#	First name	Last name	Role on the project	Monthly/Yearly payment, in USD	Time allocated to the project, in months	Amount spent, in KZT
2021						
1	Daniyar	Syzdykov	Research assistant	\$0	1	-
2	Aizhan	Kisambinova	Research assistant	\$1 500	4	2 580 000
3	Saken	Sandybai	Research assistant	\$1 500	4	2 580 000
4	Gulfairuz	Kareken	Research assistant	\$667	3	860 000
5	Nurtay	Kozhageldi	Research assistant	\$271	7	817 000
6	Vladislav	Galiulin	Research assistant	\$100	4	190 490
7	Umut	Bakhbergen	Research assistant	\$1 500	2	1 290 000
8	Ayazhan	Bazarbekova	Research assistant	\$500	6	1 290 000
Subtotal for 2021						9 607 490
2022						
1	Aizhan	Kisambinova	Research assistant	500	5	1 075 000
2	Saken	Sandybai	Research assistant	500	5	1 075 000
3	Zarina	Onoprienko	Research assistant	233	12	1 204 000
4	Gulfairuz	Kareken	Research assistant	500	12	2 580 000
5	Aliya	Abzal	Research assistant	113	12	580 500
6	Moldir	Raiymbek	Research assistant	100	12	516 000
7	Asem	Kushzhanova	Research assistant	100	11	483 033
8	Nurtay	Kozhageldi	Research assistant	500	12	2 580 000
9	Umut	Bakhbergen	Research assistant	1000	3	1 290 000
Subtotal for 2022						11 383 533
2023						
1	Zarina	Onoprienko	Research assistant	500	12	2 760 000
2	Gulfairuz	Kareken	Research assistant	500	6	1 380 000
3	Aliya	Abzal	Research assistant	500	2	460 000
4	Moldir	Raiymbek	Research assistant	100	5	230 000
5	Asem	Kushzhanova	Research assistant	100	5	230 000
6	Anel	Galymzhankyzy	Research assistant	126	11	651 667
7	Islambek	Manap	Research assistant	100	12	529 000
8	Doszhan	Temirbekov	Research assistant	126	12	667 000
9	Dulat	Ualiyev	Research assistant	284	4	522 867
10	Zhaniya	Omarova	Research assistant	126	11	660 867
11	Nurtay	Kozhageldi	Research assistant	333	9	1 380 000
12	Vladislav	Galiulin	Research assistant	875	4	1 610 000
Subtotal for 2023						11 081 401
Total						32 072 424

Briefly describe the responsibilities of each person.

If there is a significant difference between estimated (proposed) and spent amounts explain the reasons

EQUIPMENT

Instructions: Equipment is defined as an item of property that has an expected service life of more than one year.

If an item exceed \$2,000 indicate its name and dollar amount, list each item of equipment separately. For items not exceeding \$2,000 indicate general categories, including an amount for each category. Categories with amounts less than \$1,000 are not required to be itemized (see examples in the Table below).

The amount spent should be indicated in tenge (KZT) and include shipping and any maintenance costs and agreements.

#	Equipment Item	Number of items	Cost per item, in USD	Total Cost, in USD	Amount spent, in KZT
2021					
1	Chamber for carbonization of concrete	1	8 059	8 059	3 465 280
2	Multifunctional Universal Hydraulic Extruder	1	1 725	1 725	741 664
Subtotal for 2020					4 206 944,00

Project's Consolidated Budget for the reporting and all previous budget periods

Indicate total expenses for the reporting and all previous budget periods as requested below.

Expenditure items	The Amount spent, in thousands of tenge (KZT)		
	Year 1	Year 2	Year 3
DIRECT COSTS	19 964 614	16 644 065	18 631 872
Materials and Supplies	865 916,80	1 950 870	1 260 500
Payments To Research Team Members	12 881 080,00	12 137 466	12 970 468
Taxes	19 064,22	-	36 921
Third party expenditures	-	-	-
Registration fees/membership fees	110 787,25	225 587	1 189 072
Third party expenditures of affiliated PE "NURIS","UMC", "NULITS", "USM" (including taxes)	358 688,85	565 427	-
Travel (including Students trips)	781 410,74	1 764 715	1 919 302
Publication Costs	740 722,28	-	1 255 608
Equipment	4 206 944	-	-
INDIRECT COSTS	1 074 582	1 074 976	2 424 994
Facility costs	1 074 582	1 074 976	1 212 497
Overheads			1 212 497
TOTAL	21 039 196	17 719 041	21 056 865