



TECHNOLOGY COMMERCIALIZATION PROJECT (P090695)

EUROPE AND CENTRAL ASIA | Kazakhstan | Trade & Competitiveness Global Practice |
IBRD/IDA | Specific Investment Loan | FY 2008 | Seq No: 14 | ARCHIVED on 03-Dec-2015 | ISR21601 |

Implementing Agencies: Ministry of Education and Science

Key Dates

Key Project Dates

Bank Approval Date:15-Jan-2008

Effectiveness Date:15-Dec-2008

Planned Mid Term Review Date:04-Nov-2013

Actual Mid-Term Review Date:27-Oct-2013

Original Closing Date:31-Dec-2012

Revised Closing Date:31-Dec-2015

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The development objective of this Project is to demonstrate significantly improved scientific performance and commercial relevance of research performed by inter-disciplinary teams of scientists selected through transparent competitive process.

Has the Project Development Objective been changed since Board Approval of the Project Objective?

No

Components

Name

STRENGTHENING SCIENCE BASE OF KAZAKHSTAN:(Cost \$37.52 M)

LINKING KAZAKH SCIENCE TO MARKETS:(Cost \$18.16 M)

PROJECT MANAGEMENT UNIT:(Cost \$8.63 M)

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	● Moderately Satisfactory	● Moderately Satisfactory
Overall Implementation Progress (IP)	● Moderately Satisfactory	● Moderately Satisfactory
Overall Risk Rating	● Moderate	● Moderate



Implementation Status and Key Decisions

Implementation of the Technology Commercialization Project advances according to the timetable agreed with the client. The total disbursements have reached about 82% as of June 1st 2015 and are expected to grow further to 86.4% by end-Dec 2015.

Based on the signed Loan Agreement, \$10.5 million from WB Loan are to be matched by Government co-financing and spent for supporting research grants.

Outstanding issues with TCO contractor CRDF Global with regards to changing organizational structure, staffing and financial management procedures have been resolved.

Consultants for analysis of legislation governing IP and technology commercialization have been selected and the Ministry is now in process of signing contracts, the Bank team urges the Ministry to expedite the process of procuring relevant services without any delay allowing sufficient time to deliver the work and for the Ministry to pay by the contract in full before December 15, 2015.

Next visit of International Science and Commercialization Boars, tentatively planned for the week of Dec 3, 2015 should conduct final assessment of results achieved by the first two rounds of grant recipients in addition to monitoring and evaluation of progress of groups of second and third round.

MOES and WB will agree on the potential date of joint TCP FPIP workshop during the next WB mission in November 2015.

Ministry needs to prepare a project completion summary reviewing achieved results and comparing them to project goals and indicators.

Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	--	● Moderate	● Moderate
Macroeconomic	--	● Moderate	● Moderate
Sector Strategies and Policies	--	● Moderate	● Moderate
Technical Design of Project or Program	--	● Moderate	● Moderate
Institutional Capacity for Implementation and Sustainability	--	● Substantial	● Substantial
Fiduciary	--	● Moderate	● Moderate
Environment and Social	--	● Moderate	● Moderate
Stakeholders	--	● Substantial	● Substantial
Other	--	--	--
Overall	--	● Moderate	● Moderate

Results

Project Development Objective Indicators



► Number of international publications in peer reviewed journals from SS and JR program (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0	55	55	11-17
Date	15-Jan-2008	31-Mar-2015	31-Mar-2015	31-Dec-2015

► Number of patent applications registered through the Technology Commercialization Office (TCO) (cumulative) (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0	17	17	6-12
Date	15-Jan-2008	31-Mar-2015	31-Mar-2015	31-Dec-2015

► Share of private sector financing of SS and JR program (%) (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	To be taken after the results of the competition	5%	5%	5-20%
Date	15-Jan-2008	31-Mar-2015	31-Mar-2015	31-Dec-2015

Overall Comments

Intermediate Results Indicators

► Number of Senior Scientist Groups (SSG) and Junior Researcher Groups (JRG) established (cumulative) (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0	33	33	20
Date	15-Jan-2008	20-Mar-2014	20-Mar-2014	31-Dec-2015



► Number of graduate students involved in the SSG and JRG research projects (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	74.00	74.00	20.00
Date	15-Jan-2008	31-Mar-2015	31-Mar-2015	31-Dec-2015

► Rate of equipment use (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	20.00	20.00	80.00
Date	15-Jan-2008	31-Mar-2015	31-Mar-2015	31-Dec-2015

► Number of technology audits (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0	5	5	5
Date	15-Jan-2008	31-Mar-2015	31-Mar-2015	31-Dec-2015

► Establishment of the Technology Commercialization Office (TCO) (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Not established.	TCO established and operating	TCO established and operating	TCO established and operating.
Date	15-Jan-2008	11-Oct-2013	11-Oct-2013	31-Dec-2015



► Number of scientists and entrepreneurs trained at the TCO (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	460.00	460.00	240.00
Date	15-Jan-2008	31-Mar-2015	31-Mar-2015	31-Dec-2015

► Number of reviewed laws, rules and regulations and revision of recommendations (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	15.00	15.00	15.00
Date	15-Jan-2008	31-Mar-2015	31-Mar-2015	31-Dec-2015

► Number of partnerships between SSGs, JRGs, research institutions and private sector (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	70.00	70.00	70.00
Date	15-Jan-2008	31-Mar-2015	31-Mar-2015	31-Dec-2015

► Number of licenses sold with the help of the TCO (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2.00	2.00	16.00
Date	15-Jan-2008	31-Mar-2015	31-Mar-2015	31-Dec-2015



► Number of grants awarded by the TCO for technology commercialization (cumulative) (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0	66	66	55-60
Date	15-Jan-2008	31-Mar-2015	31-Mar-2015	31-Dec-2015

► Establishment of an international peer-reviewed journal (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	N	N	N	Y
Date	15-Jan-2008	20-Mar-2014	20-Mar-2014	31-Dec-2015

► Number of international co-authored articles per researchers in SSGs and JRGs (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	6.00	6.00	--
Date	15-Jan-2008	31-Mar-2015	31-Mar-2015	31-Dec-2015

► Establishment of the International Materials Science Center (IMSC) (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Not established.	The IMSC established and operating	The IMSC established and operating	The IMSC established and operating.
Date	15-Jan-2008	03-Sep-2013	03-Sep-2013	31-Dec-2015



► Number of partnerships established between researchers and academia (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	25.00	25.00	--
Date	15-Jan-2008	31-Mar-2015	31-Mar-2015	31-Dec-2015

► Number of patents registered with the help of the TCO (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	17.00	17.00	--
Date	15-Jan-2008	31-Mar-2015	31-Mar-2015	31-Dec-2015

► Number of timely submission of scientific reports, financial statements, and audit reports (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	384.00	384.00	--
Date	15-Jan-2008	31-Mar-2015	31-Mar-2015	31-Dec-2015

Overall Comments

Data on Financial Performance

Disbursements (by loan)

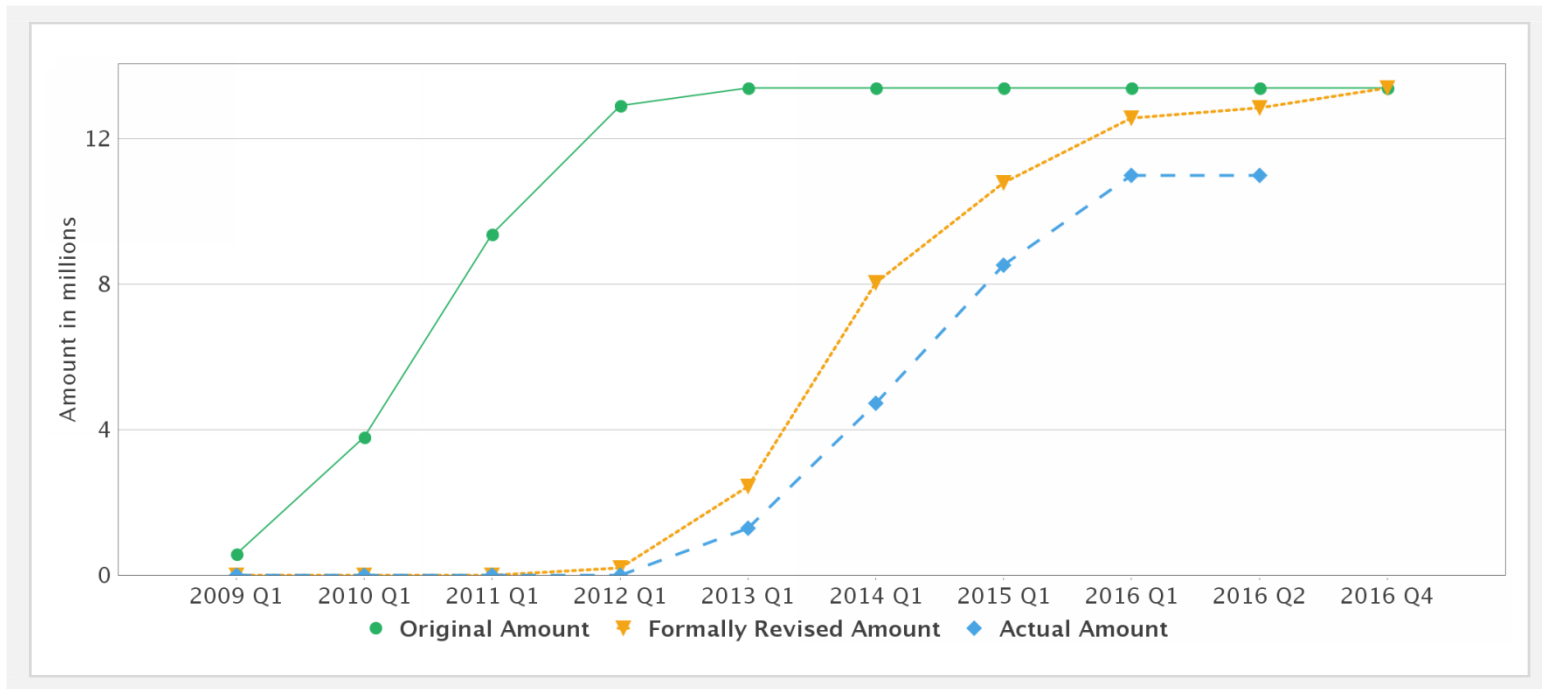
Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	Disbursed
P090695	IBRD-48840	Effective	USD	13.40	13.40	0.00	10.99	2.41	82%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P090695	IBRD-48840	Effective	15-Jan-2008	02-Feb-2008	15-Dec-2008	31-Dec-2012	31-Dec-2015



Cumulative Disbursements



Restructuring History

Level Approved on 26-Jul-2012

Related Project(s)

There are no related projects.