		Te	ntative	Plar	of Oj	perat	ion														Version 0		
TO STARTED and currently CONTINIUES un-performed yet, due to COVID19 fandemic and others																						Date: Oct 2	25, 2019
move to next year Please comcern consultants																					Monito	ring	
Inputs	Year Month	Jan- Mar	2020 Apr- Ju ⁱ Jun Se	- Oct- Dec	Jan- Mar	2021 Apr- J Jun S	il- Oct- ep Dec	Jan- Mar	202 Apr- Jun	2 Jul- O Sep D	ct- Jan- lec Mar	20 - Apr- r Jun	23 Jul- 04 Sep D	ct- Jan ec Ma	202 n- Apr- ar Jun	24 Jul- Oo Sep D	2025 ct- Jan- A ec Mar r	ър.	Rem	arks	Issue		Solution
Expert	\geq																						
Chief Advisor/Pathology (as a short-term expert)	Actual	╉╋	┢╋╋╋					╎╇			▝		▛▖▖▖▛	╃ ╫ ฅ				-			Assistant professor, Dr Lichiau Boriigin arrived		
Project Coordinator(s) (as long-term expert(s))	Plan Actual	╉											(on October, 2021 in Mongolia		
Other Experts with necessary expertise.	Plan Actual		┝┼┼┼╋										##	Ħ									
Equipment		<u> </u>												ننكن									
Necessary experimental instruments and equipment for research activities in the Project	Plan Actual																						
Necessary equipment and/or materials for educational activities in the Project	Plan Actual	┟┟┟┦	┢╋╋╋					┟┊┊				╫	┢╋╋╋	╫╫	┝┼┊┼			-					
Training in Japan																							
Bacteriology, Immunology, Epidemiology, Pathology, Molecular Biology, Bioinformatics and other necessary specialized areas	Plan Actual		┝╋╋╋										┝╋╋	╋╋				-					
In-country/Third country Training		┦╵╵												ш				-					
	Plan							H						Щ									
A _4''4'	Voor	ᅳ	2020		T	2021	ilii	T	202	<u>, , , , , , , , , , , , , , , , , , , </u>		20		╨	201	<u>1111</u> 94	2025		Dible ()titi			
Sub-Activities	Month	Jan-	Apr Ju	- Oct-	Jan-	Apr- J	il- Oct-	Jan-	Apr-	Jul- O	ct- Jan-	- Apr-	Jul- O	ct- Jan	n- Apr-	Jul- Oo	ct- Jan- A		Ianan	Mongolia	Achievements	Iss	ue & Countermeasures
Inagnostic systems. 1.1. Development of a LAMP-based rapid diagnostic method (test kit) for M. bo infection	vis																						
1.1.1. To develop a LAMP-based method for detecting <i>M. bovis</i> -specific genetic region at the Hokkaido University (including drying of reagents).	Plan Actual																		RCZC	IVM	to performing at the RCZD of Japan		
1.1.2. To make the <i>M. bovis</i> gene detection method into a "kit" using an ink-jet printer in the Hokkaido University (trial production of a rapid diagnostic test	Plan		Ш											Ш					RCZC	IVM	to performing at the RCZD of Japan		
kit).	Actual																						
1.1.3. To evaluate the sensitivity and specificity of the developed kit(s) with biological specimens of <i>M</i> hours infected patients and animals in Mongolia	Plan													Щ					RIT	NCDC			
ototogical specificity of M. 50715 Interest patients and annuals in biologona .	Actual		(Relle				
1.1.4. To prepare Standard Operating Procedure(s) (SOPs) for the genetic diagnosis of M. bovis infections in humans at NCCD following the improvements are made as anopromize based on the aforementioned evaluation	Plan																		RIT RCZC	NCCD			
results.	Actual		Щ		Ш								ЩЦ	Щ									
1.1.5. To prepare SOPs for the genetic diagnosis of <i>M. bovis</i> infections in livestock at IVM following the improvements are made as appropriate based on	Plan																		RCZC	IVM			
the aforementioned evaluation results.	Actual																			1111			
1.2. Establishment of the LAMP-based gene detection method for tuberculosis c in NCCD.	omplex																						
1.2.1. To introduce the LAMP-based gene detection method for tuberculosis	Plan																		RIT	NCCD			
complex into NCCD.	Actual													Ш					RCZC				
1.2.2. To evaluate the sensitivity and specificity of the gene detection method by	Plan	Ш								ШĪ									RIT	NCCD		1 -	
comparing the test results obtained from conventional methods.	Actual																		RCZC			1	

Innute	Year	2	2020		2	021		2022		2	2023		2	2024		2025	Pan	parks	Iccue	Solution
	Month	Jan- Apr Mar Jun	r- Jul- n Sep	Oct- Dec	Jan Apr Mar Jun	Jul-Oct- Sep Dec	Jan- Aj Mar Ju	pr- Jul- in Sep	Oct- J Dec !	lan- Apr Mar Jun	- Jul- 1 Sep	Oct- Ja Dec M	an- Apr 1ar Ju	r- Jul- n Sep	Oct- Dec	Jan- Ap Mar r-	Ken	lains	15500	Solution
1.3. Development of a LAMP-based Rapid Diagnostic Method (Test Kit) for <i>B</i> . infection	mallei																			
 1.3.1. To develop a LAMP-based method for detecting <i>B.mallei</i> -specific genetic region at the Hokkaido University (including drying of reagents). 	Plan Actual																FMV RCZC	IVM	to performing at th HU of Japan	
1.3.2. To make the B. mallei gene detection method into a "kit" using an ink-jet printer in the Hokkaido University (trial production of a rapid diagnostic test	Plan																FMV	IVM	to performing at th HU of Japan	
kit). 1.3.3. To evaluate the sensitivity and specificity of the developed kit(s) with 	Plan																FMV			
biological specimens of <i>B. mallei</i> -infected animals in Mongolia .	Actual																RCZC	IVM		
1.3.4. To prepare SOPs for the genetic diagnosis of <i>B. mallei</i> infections in humans at NCCD following the improvements are made as appropriate based on the aforementioned evaluation results. (<i>Note: the Activity 1.2.4 should be</i>	Plan																FMV	IVM		
conducted in consideration of the results of epidemiological studies on B. mallei infection in human performed in the Activities under the Outcome 2.)	Actual																KCZC			
1.3.5. To prepare SOPs for the genetic diagnosis of <i>B. mallei</i> infections in livestock at IVM following the improvements are made as appropriate based on the aforementioned evaluation results.	Plan Actual																FMV RCZC	IVM		
1.4. Development of an immunochromatography-based Rapid Diagnostic Meth Kit) for <i>B. mallei</i> infection	od (Test						1::1:													
1.4.1. To search B. mallei -specific antigen by investigating the reactivity of protein, expressed in E. coli, etc. from selected specific genetic region of a B. mallei standard strain, with the serum collected from B. mallei -infected horses,	Plan																FMV	IVM	to performing at th HU of Japan	
in the Hokkaido University.	Actual																			
1.4.2. To develop an immunochromatography-based method for detecting <i>B. mallei</i> specific antibodies using the specific antigen protein selected in the Activity 1.3.1 and the positive serum of <i>B. mallei</i> -infected horses.	Plan Actual																FMV	IVM	to performing at th HU of Japan	
1.4.3. To make the <i>B. mallei</i> -specific antibody detection method into a "kit" in collaboration with private enterprises in Japan or Mongolia (trial production of a rapid diagnostic test kit).	Plan Actual																FMV	IVM		
1.4.4. To assess the sensitivity and specificity of the kit by performing non- inferiority or comparative superiority test with conventional methods such as	Plan																FMV	IVM		
from infected horses in Mongolia .	Actual																			
1.4.5. To prepare SOPs for the serological diagnosis of <i>B. mallei</i> infections in livestock at IVM following the improvements are made as appropriate based on the aforementioned evaluation results.	Plan Actual																FMV	IVM		
1.5. To establish production systems for the genetic diagnostic kits described above by introducing Ink-jet printers into NCCD and/or IVM.	Plan																FMV	NCCD IVM		
1.6. Updating of the diagnostic flow for tuberculosis including detection of <i>M. b</i> well as of the methods for detecting drug-resistant <i>M. tuberculosis</i> in NCCD.	Actual																			
1.6.1.To introduce the methods for isolating tuberculosis complex from human sputum specimens by culturing them with liquid medium (MGIT) as well as	Plan																RCZC	NCCD		

Annex 4-2

Tunu	ato.	Year		2	2020			20	021			2	022				2023	3			202	4		2025	Domosla	Issue	Isona	Solution	
mpu	its	Month	n Jan Ma	n- Apr ar Jur	r- Jul n Sej	- Oct p Dec	Jan- Mar	Apr- Jun	Jul- Sep	Oct- Dec	Jan- Mar	Apr- Jun	Jul Sep	- Oct	t- Jar c Ma	n-Aj ar Ju	or-J m S	ul- C Sep I	Det-	Jan- Mar	Apr- Jun	Jul- Sep	Oct- J Dec M	an- Ap Aar r-	Kennarks			Issue	Solution
	solid (L-J) media for M. tuberculosis and M. bovis in NCCD, in conformity to the WHO-recommended methods.	Actual																							RIT				

T		Year		2020)		2021		2022		2023	2024	2025	Da	moules	Issue	Colution
mpu	S	Month	Jan- Mar	Apr- J Jun S	ul- Oct	t- Jan- A c Mar	Apr- Jul- Jun Sep	Oct- J Dec I	fan- Apr- Jul- Mar Jun Sep	Oct- J Dec M	Jan- Apr- Jul- Oct- Mar Jun Sep Dec	Jan- Apr- Jul- C Mar Jun Sep I	Oct- Jan- Ap Dec Mar r-	Ke.	marks	Issue	Solution
	1.6.2. To introduce the MGIT-based drug susceptibility test mehod for secondline and new anti-tuberculosis drugs, according to the WHO recommendation.	Plan Actual												RIT RCZC	NCCD		
		Plan															
	1.6.3. To introduce the techniques of whole genome sequencing of tuberculosis complex using the next-generation sequencer into NCCD.	Actual												RIT RCZC	NCCD		
	1.6.4. To establish a test method for comprehensively detecting drug-resistance- related genetic mutations for anti-microbial resistance (AMR) predictions using	Plan												RIT	NCCD		
	the next-generation sequencer (e.g., MinION) in NCCD.	Actual												RCZC			
	1.6.5. To revise or newly develop SOPs of the diagnostic flow for tuberculosis in human including the detection of M having as well as for the detection of days.	Plan												RIT	NCCD		
	resistant <i>M. tuberculosis</i> .	Actual												RCZC	несь		
1.6. for stai	To carry out practical consultations with relevant authorities concerned gaining the approval of the project-developed diagnostic tests (kits) as dard tests for humans or livestock infectious diseases (e.g., SOP	Plan												RIT	MOH NCCD		
reg Sta in h	stration in individual organizations, official registries as the National adard Methods) as well as for revising the diagnostic flow for tuberculosis unnans (including the detecting method for drug-resistant <i>M. tuberculosis</i>).	Actual												RCZC	GAVS RVM		
Outor	t 2: The enidemics of tuberculosis and glanders as zoonotic dises	uses in hi	uman	are e	valuat	ed using	y molect	ılar eni	demiological	techni	ianes.						
2-1. hur	Molecular-epidemiological evaluation of the epidemics of <i>M. bovis</i> Infection nan	ı in				<u> </u>					1						
	2.1.1. To isolate M. tuberculosis and M. bovis from sputum samples of	Plan												PIT			
	tuberculosis-suspected patients brought into the NCCD by culturing them on liquid and L-J medium, using the techniques introduced in the Activity 1.5.1.	Actual												RCZC	NCCD		
	2.1.2. To estimate the prevalence of <i>M. bovis</i> in the tuberculosis complex isolated from humans by determining the presence of <i>M bovis</i> in the colonies	Plan												RIT	NCCD		
	grown on L-J medium using the LAMP-based genetic detection method developed in the Activity 1.1.	Actual												RCZC	NCCD		
	2.1.3. To perform the activities for active case finding of tuberculosis with LAMP-based gene detection method for tuberculosis complex (established in the	Plan												DIT			
	Activity 1-2) and/or IGRA by investigating slaughterhouse workers and owners of infected livestock, in order to collect the data and information for the risk analyses of zoonotic tuberculosis.	Actual												RCZC	NCCD		
2-2. (mt	Molecular-epidemiological evaluation of the emergence of drug-resistant ltidrug-resistant) <i>M. tuberculosis</i> in human												-				
	2.2.1. To identify drug-resistant (multidrug-resistant) <i>M. tuberculosis</i> by performing a conventional drug susceptibility testing on the tuberculosis	Plan												RIT	NCCD		
	complex isolated in the Activity 2.1.1.	Actual												RCZC	heeb		
	2.2.2.To evaluate the emergence of gene mutations related to drug resistance by	Plan				[]]											
	performing the comprehensive resistance gene screening using a next-generation sequencer (e.g., MinION) on the strains with confirmed drug resistance (multidrug resistance), using the test method introduced in the Activity 1.5.2.	Actual												RIT RCZC	NCCD		

Annex 4-4

Tananata	Year	2020	2021	2022	2023	2024	2025	Demen		I	S - 1
Inputs	Month	Jan- Apr- Jul- Oct Mar Jun Sep De	Jan- Apr- Jul- Oct- Mar Jun Sep Dec	Jan- Apr- Jul- Oct- Mar Jun Sep Dec	Jan- Apr- Jul- Oct- Mar Jun Sep Dec	Jan- Apr- Jul- Oct Mar Jun Sep De	t- Jan- Ap ec Mar r-	Keman	KS	issue	Solution
2-3. To develop a draft revision of the current guidelines or equivalent document(s) for the diagnosis of tuberculosis in human on the basis of the prevalence of <i>M. bovis</i> human infections as well as the results of epidemiological evaluations of drug-resistant <i>M tuberculosis</i> , with consultation from relevant authorities such as the Ministry of Health.	Plan Actual							RIT RCZC	MOH NCCD		
2-4. To conduct specific consultations with the authorities concerned such as the Ministry of Health for the revision of the guidelines or equivalent document(s) on the basis of the epidemiological evidences.	Plan Actual							RIT RCZC	MOH NCCD		
2-5. Epidemiological evaluation of the epidemics of <i>B. mallei</i> Infection in huma	n										
2.5.1. To collect the biological samples (sputum and/or throat swab) obtained from patients with human infectious pneumonitis for whom no causative agent has been identified in the NCCD, followed by transferring them to IVM.	Plan Actual							RIT FMV	NCCD IVM		
2.5.2. To evaluate the presence of human cases of <i>B. mallei</i> infection in IVM by screening them with the gene detection method developed in Activity 1.2.	Plan Actual							RIT FMV	NCCD IVM		
Output 3: The epidemics of tuberculosis and glanders as zoonotic dise	ases in l	vestock are evalu	ted using seroepide	miological and mol	ecular epidemiologic	al / seroepidemiol	ogical techi	niques, respectively			
3-1. Molecular-epidemiological evaluation of the epidemics of <i>M. bovis</i> Infection in livestock	Plan Actual			~~~~							
3.1.1. To isolate tuberculosis complex using the L-J mediua in IVM, from the tubercles-suspected granulomas samples collected from cattle and sheep at slaughterhouses and meat markets in the project target areas.	Plan Actual							RCZC	IVM	About 91 lung samples of slaughtered cattles were collected in September to October, 2020 and to performed bacteriology for those samples. One of <i>Mycobacteria</i> -like isolate was obtained when growth in L-J medium. And than to performed the Mycobacteria specific PCR.	
3.1.2. To estimate the prevalence of <i>M. bovis</i> in the tuberculosis complex isolated from cattle and sheep by determining the presence of <i>M. bovis</i> in the colonies grown on L-J medium using the genetic detection method developed in the Activity 1.1.	Plan Actual							RCZC	IVM	We are trying to validate/determine the resulting Mycobacteria spp like isolates by the general PCR. But have not yet received an kits of the LAMP-PCR to determine for agents of BTB.	
3.1.3. To investigate the endemic status of <i>M. bovis</i> infection including subclinical infection by performing the Interferon-Gamma Release Assay (IGRA) on herds in which <i>M. bovis</i> -detected cattle were kept.	Plan Actual							RCZC	IVM	We are unable to perform this analysis. Because, to purchase of this kind of diagnostic kit is currently ongoing.	
3.1.4. To assess the transmission and distribution of <i>M. bovis</i> in animals (amongst cattle, between cattle and sheep, and amongst sheep) by performing the comprehensive gene screening using a next-generation sequencer (e.g., MinION) on the colonies grown on the L-J media for <i>M. bovis</i> as well as in consideration of the IGRA results of endemic status in herds.	Plan Actual							RCZC	IVM	We are unable to perform this analysis. Because, to purchase of this kind of diagnostic kits is currently ongoing.	
3.1.5. To develop draft revision s of the current guideline s for the diagnosis of livestock infectious diseases, the program for the control of livestock infectious diseases and/or equivalent documents on the basis of the prevalence of <i>M. bovis</i> infections in livestock as well as the meanits of emidprinizational equivalentations of its	Plan							RCZC	MOFALI GAVS		

Inn	nto.	Year		2020)		2021			2022	:		2	2023			2024		2025	Dam	onlin	Isone	Solution
mp	uts	Month	Jan- Mar	Apr- J Jun S	ul- Octo ep Dec	Jan- Mar	Apr- Ju Jun Se	ıl- Oct- 2p Dec	Jan- Mar	Apr- J Jun S	ıl- O ep D	ct- Jan ec Ma	n- Apr ar Jun	- Jul- 1 Sep	Oct- Dec	Jan- Aj Mar J	pr- Jul- un Sep	Oct- Dec	Jan- Ap Mar r-	Kelli	Iarks	Issue	Solution
	Infrections in received as were as the results of epidemiorigene revenuenties on the transmission and dissemination, with consultation from relevant authorities such as the Ministry of Food, Agriculture and Light Industry (MOFALI) and the General Authority for Veterinary Services (GAVS).	Actual																		RELE	IVM		
	3.1.6. To conduct specific consultations with the authorities concerned such a MOFALI and GAVS for the revision of the guidelines, programs and/or	Plan																		RCZC	MOFALI GAVS		
	equivalent document(s) on the basis of the epidemiological evidences.	Actual																			IVM		

Inp	uts	Year	202 Jan- Apr-	0 ful- Oct-	Jan-	2021 Apr- Jul	- Oct-	Jan- Apr	2022 r- Jul-	Oct- Ja	20 111- Apr-	23 Jul- Oct	- Jan- A	2024	2025 Oct- Jan- Ap	Ren	narks	Issue	Solution
3 1 6	-2. To evaluate the <i>M. bovis</i> contamination status in milk, which are sold in narkets such as milk stands, by testing them with the gene detection method leveloped in the Activity 1.1.	Plan	Mar Jun	Sep Dec	Mar	Jun Se	Dec	Mar Ju	n Sep	Dec M	far Jun	Sep Dec	: Mar J	Jun Sep	Dec Mar r-	RCZC	IVM	We are currently collecting samples of tissue from cattle in the slaughterhouses near UB. But, milk samples have not been collected yet. Because, main terms of milking seasons in the country is already done due to seasonally.	Sampling from slaughterhouses is should be stoping in end of November, 202. But continuies of collecting both type (milk and tisseu) of samples are to be perform/carry out on the June to October in next years under plan of project.
3	 -3. Molecular-epidemiological and seroepidemiological evaluation of the epiden t, mallei infection in horses 	nics of				<u></u>													
_	3.3.1. To perform a seroepidemiological survey on <i>B. mallei</i> infection (history) by testing the sera obtained from horse herds in the project area with the conventional methods (complement-fixation and plate agglutination) in IVM.	Plan Actual														FVM	IVM	Serrology CFT	
	3.3.2. To evaluate the epidemics of <i>B. mallei</i> infection in Mongolia seroepidemiological, by testing the horse sera collected in the Activity 3.2.1 with the immunochromatography-based <i>B. mallei</i> -specific antibody detection method developed in the Activity 1.3.	Plan														FVM	IVM		
	3.3.3. To analyse <i>B. mallei</i> infection in horses histopathologically and immunohistrogically by dissecting infected horses.	Plan														FVM	IVM	over 10 horses find and killed	
	3.3.4. To assess the transmission and distribution of <i>B. mallei</i> in horses by performing the comprehensive gene screening using a next-generation sequencer on the isolated strains. which are obtained by culturing specimens of lesioned	Plan														FVM	IVM		
	part of the infected horses.	Actual																	
	3.3.5. To newly-develop and/or develop draft revisions of the current guidelines for the diagnosis of <i>B. mallei</i> infections, the program for the control of glanders and/or equivalent documents on the basis of the prevalence of <i>B. mallei</i> infections in horses as well as the results of epidemiological evaluations of its	Plan														FVM	MOFALI GAVS IVM		
	transmission and dissemination, with consultation from relevant authorities such as MOFALI and GAVS.	Actual																	
	3.3.6. To conduct specific consultations with the authorities concerned such as MOFALI and GAVS for the newly-development and/or revision of the guidelines, programs and/or equivalent document(s) on the basis of the epidemiological evidences.	Plan Actual														FVM	MOFALI GAVS IVM		
Out	nut 4: A platform for One-Health annroach based infectious disea	se conti	ol is functi	ning fe	or the	oractica	lannlic	ation o	freces	ch out	comes i	ncludino	riek an	alvees of	tuberculosi	s and glanders as	zoonotic disease	1 16	
4	1. To establish a platform, such as regular liaison and coordination meeting, egular technical working group, etc., in Mongolia for comprehensive evidence-	Plan														RIT FVM	MOH NCCD MOFALI		
ł	ased zoonotic disease control, consisting of Mongolian and Japanese as well as aedical and veterinary research, educational and administrative institutions.	Actual														RCZC	GAVS IVM MECSS		
4	2. Risk assessment of <i>M. bovis</i> infection as a zoonotic disease																		
	4.2.1. To determine a study design (e.g., the preparation of survey procedures, the unification of analytical methods and so on) in order to perform the risk assessment associated with <i>M hovie</i> transmission between livertock and human	Plan														RIT	NCCD		

Immute	Year	2020	2021	2022	2023	2024	2025	Domoulto	Issue	Solution
mputs	Month	Jan- Apr- Jul- O Mar Jun Sep I	ct- Jan- Apr- Jul- Oct- Dec Mar Jun Sep Dec	Jan- Apr- Jul- Oct- Mar Jun Sep Dec	Jan- Apr- Jul- Oct- Mar Jun Sep Dec	Jan- Apr- Jul- Oct- Mar Jun Sep Dec	Jan- Ap Mar r-	Kelharks	Issue	Solution
through the discussions between medical and veterinary tuberculosis research groups.	Actual							RCZC IVM		

Innu	to	Year	202	0	20	21	2022	2023	2024	2025	Dom	aarka	Issue	Solution
mpu	15	Month	Jan- Apr- J Mar Jun S	ful- Oct- Sep Dec	Jan- Apr- Mar Jun	Jul- Oct- Sep Dec	Jan- Apr- Jul- Oct- Mar Jun Sep Dec	Jan- Apr- Jul- Oct- Mar Jun Sep Dec	Jan- Apr- Jul- O Mar Jun Sep D	ct- Jan- Ap ec Mar r-	Kell	laiks	ISSUE	Solution
	4.2.2. To perform the risk assessment of <i>M. bovis</i> transmission between livestock and human as well as its pathogenicity by analysing the results of the epidemiological analyses of <i>M. bovis</i> infection in human and livestock obtained in the Output 2 and the Output 3 in an integrated manner.	Plan Actual									RIT RCZC	NCCD IVM		
	4.2.3. To discuss practical measures for controlling the <i>M. bovis</i> epidemics in Mongolia (e.g. developing activities for the prevention of livestock-to-human transmission, reviewing/revising current surveillance systems, newly-developing and/or revising guidelines and/or programmes for the control of zoonotic tuberculosis) on the basis of the above-mentioned risk assessment results, with consultation from relevant authorities concerned of medical and veterinary services as well as zoonotic disease control.	Plan									RIT RCZC	MOH NCCD GAVS IVM		
4.3	. Risk assessment of <i>B. mallei</i> i nfection as a zoonotic disease	<u> </u>			1::1::1				1					
	4.3.1. To determine a study design (e.g., the preparation of survey procedures, the unification of analytical methods and so on) in order to perform the risk assessment accortated with <i>B. multai</i> transmission between livestock and	Plan									EVM	NCCD		
	insistential associated with 2, matter transmission between received includes and human, through the discussions between medical and veterinary glanders research groups.	Actual									1 1 10	IVM		
	4.3.2. To perform the risk assessment of <i>B. mallei</i> transmission between livestock and human as well as its pathogenicity by analysing the results of the	Plan									FVM	NCCD		
	epidemiological analyses of <i>B. mallei</i> infection in human and livestock obtained in the Output 2 and the Output 3 in an integrated manner.	Actual										IVM		
	4.3.3. To discuss practical measures for controlling the <i>B. mallei</i> epidemics in Mongolia (e.g. developing activities for the prevention of livestock-to-human transmission, reviewing/revising current surveillance systems, newly-developing and/or revising enidelines and/or programmes for the control of zonomic.	Plan									FVM	MOH NCCD		
	glanders) on the basis of the above-mentioned risk assessment results, with consultation from relevant authorities concerned of medical and veterinary services as well as zoonotic disease control.	Actual										GAVS IVM		
4.4 as o wel	. To conduct discussions with medical and/or veterinary authorities as well other eligible stakeholders concerned of medical and veterinary services as I as zoonotic disease control with regard to practical application of	Plan									RIT FVM	MOH NCCD GAVS		
pre	ventive measures of its epidemics.	Actual									RUZU	IVM		
4.5 res	. To hold symposiums and/or joint seminars on project collaborative earch at least once a year.	Plan Actual									RIT FVM RCZC	NCCD IVM		

Turnut	Year	2020	2021	2022	2023	2024	2025	Demender	I	C - 1
Inputs	Month	Jan- Apr- Jul- Oct- Mar Jun Sep Dec	Jan- Ap Mar r-	Remarks	Issue	Solution				
Duration / Phasing	Plan Actual									
	Van	2020	2021	2022	2022	2024	2025			
Monitoring Plan	Month	Jan- Apr- Jul- Oct- Mar Jun Sen Dec	Jan- Apr- Jul- Oct- Mar Jun Sen Dec	Jan- Apr- Jul- Oct- Mar Jun Sep Dec	Jan- Apr- Jul- Oct- Mar Jun Sep Dec	Jan- Apr- Jul- Oct- Mar Jun Sen Dec	Jan- Ap Mar r-	Remarks	Issue	Solution
Monitoring		1		[]	[[] onn [orp [
Joint Coordinating Committee	Plan Actual									
Project Technical Committee	Plan Actual									
Scientific Meeting	Plan Actual									
Set-up the Detailed Plan of Operation	Plan Actual									
Submission of Monitoring Sheet	Plan Actual									
Monitoring Mission from Japan	Plan Actual									
Post Monitoring	Plan Actual									
Reports/Documents	/	1								
Inception Report	Plan Actual									
Progress Report	Plan Actual								TC meeting of project were performed twice in October, 2020 and August, 2021. During this meet, we presented of progress report of project.	
Project Completion Report	Plan Actual									
Public Relations	/	1								
Establishment and Operation of web Site	Plan Actual									
International Conference	Plan Actual									

<u>Abbreviations</u>: Faculty of Veterinary Medicine, the Hokkaido University (FVM); General Authority for Veterinary Services (GAVS); Institute of Veterinary Medicine (IVM); Ministry of Education, Culture, Science & Sports (MECSS); Ministry of Food, Agriculture and Light Industry (MOFALI); Ministry of Health (MOH); National Center for Communicable Diseases (NCCD); Research center for Zoonosis Control, the Hokkaido University (RCZC); and Research Institute of Tuberculosis of the Japan Anti-Tuberculosis Association (RIT)

(Institutions are shown in alphabetical order.)