

# WORKSHOP OUTPUTS – IHR-PVS NATIONAL BRIDGING WORKSHOP - KAZAKHSTAN

## OUTPUT 1: ASSESSMENT OF LEVELS OF COLLABORATION FOR 15 KEY TECHNICAL AREAS

Technical area (cards)	Rabies	Anthrax	H5N1	Brucellosis	Echinococcosis	Score
Finance	Red	Red	Red	Yellow	Red	9
<b>Education and training</b>	Red	Red	Yellow	Yellow	Red	8
<b>Emergency funding</b>	Yellow	Red	Yellow	Red	Red	8
<b>Communication w/ media</b>	Yellow	Red	Yellow	Yellow	Red	7
Legislation / Regulation	Red	Yellow	Red	Green	Yellow	6
<b>Human resources</b>	Yellow	Yellow	Yellow	Yellow	Red	6
<b>Response</b>	Yellow	Yellow	Yellow	Yellow	Yellow	5
<b>Coordination at high Level</b>	Yellow	Yellow	Yellow	Yellow	Yellow	5
<b>Coordination at local Level</b>	Yellow	Yellow	Yellow	Yellow	Green	4
<b>Coordination at technical Level</b>	Yellow	Red	Yellow	Green	Green	4
Risk assessment	Yellow	Green	Yellow	Yellow	Yellow	4
Laboratory	Yellow	Green	Green	Yellow	Red	4
Communication w/ stakeholders	Yellow	Red	Green	Green	Green	3
Field investigation	Red	Green	Green	Green	Yellow	3
Joint surveillance	Green	Green	Green	Green	Yellow	1

*For each disease, the performance of the collaboration between the human health and the animal health sectors is color-coded: green for “good collaboration”, yellow for “some collaboration”, and red for “collaboration needing improvement”. The score uses a semi-quantitative scale (2 points for a red card, 1 for a yellow card and 0 for a green card). Technical areas marked in bold were selected and addressed in-depth throughout the rest of the workshop.*

## OUTPUT 2: OBJECTIVES AND ACTIONS IDENTIFIED PER TECHNICAL AREAS

Action	Timeline	Difficulty	Impact	Responsibility	Indicators
<b>HUMAN RESOURCES &amp; EDUCATION AND TRAINING</b>					
<b>Objective 1: Include One Health aspects in pre- and post-graduate education</b>					
<b>1.1 Include One Health aspects into the university curricula on specialties "Public Health" and "Veterinary Medicine" as well as into curricula of post-graduate education for specialists in public health and veterinary service</b>	2019	+	+++	MoH, MoA, Ministry of Education and Science (MES)	1) Establish working group to develop and include aspects of One Health into curricula 2) Develop and include One Health aspects into curricula of medical, veterinary, and postgraduate faculties (joint order of MES, MoH, MoA)
<b>1.2 Establish the system of continuous postgraduate education for veterinary medicine specialists</b>	2019	+	+++	MoA, MES	1) Develop curriculum for post-graduate education of veterinary specialists: - veterinary doctors - laboratory specialists - epidemiologists 2) Develop and implement the system of post-graduate education in selected veterinary faculties
<b>Objective 2: Develop a system of cascade training for joint response, surveillance, and lab diagnostics</b>					
<b>2.1 Train national trainers with involvement of international experts</b>	2019	+	+++	MoH, MoA, Committee on Emergency Situations (CES)	1) Train the trainers on: - joint emergency response; - laboratory diagnostics of priority zoonoses; - joint surveillance. 2) Engage international organizations for the expert support 3) Nominee candidates (2 trainers - MoH, 3 - MoA, 1 - CES) 4) Develop the plan to train national trainers 5) Train national trainers
<b>2.2 National trainers conduct cascade trainings to train regional trainers</b>	2019	+	+++	MoH, MoA	- Train 4 trainers in each oblast and city of central subordination: <ul style="list-style-type: none"> <li>• Epidemiologist</li> <li>• Veterinary epidemiologist</li> <li>• Laboratory specialist of remote offices of National Center of Expertise</li> <li>• Veterinary laboratory specialist</li> </ul> - Issue joint legal order to conduct the trainings (incl. training plan, curriculum, list of participants) - Conduct trainings and issue training certificates
<b>2.3 Regional trainers conduct regular trainings at the local level</b>	2019	+	+++	Committee of Public Health (CPH),	- Coordinate regular trainings with post-graduate education system - Issue joint legal order to conduct the trainings (incl. training plan, curriculum, list of participants)

				Committee of Veterinary Control and Surveillance (CVCS)	- Conduct trainings and issue training certificates
<b>Objective 3: Improve human resource capacity for lab diagnostics of zoonoses</b>					
<b>3.1 Train specialists of Kazakhstan reference laboratories on diagnostics of priority zoonoses in the International Reference Laboratories</b>	2019	+	+++	MoH, MoA	- 6 specialists (3 - MoH, 3 - MoA) - Priority areas: <ul style="list-style-type: none"> <li>• External quality assurance</li> <li>• Biosafety and biosecurity</li> <li>• AMR</li> <li>• Food safety</li> </ul> - Specialists: bacteriologists, virologists, toxicologists, radiologists, serologists, food safety specialists
<b>COORDINATION AT HIGH, TECHNICAL, AND LOCAL LEVELS</b>					
<b>Objective 4: Develop functional system of intersectoral collaboration</b>					
<b>4.1 Develop legislation to enable intersectoral collaboration of national and regional coordinators in the field of zoonoses control</b>	2019	+	++	MoH, MoA	- Define the structure and content of the legislative act - Approve by the joint legal order issued by MoA and MoH
<b>4.2 Nominate two regional coordinators on zoonoses control in each oblast</b>	November 2019	+	++	MoH, MoA	- Deputy heads of oblast Public Health and VS authorities could be nominated as coordinators - Nominate by the legal order of the respective Public Health/VS authority in each oblast - 34 regional coordinators
<b>4.3 Develop joint SOPs for the national and regional coordinators on control measures related to zoonoses and coordination of technical experts</b>	November 2019	+	++	National coordinators	- Study existing international and national experience (existing SOPs) - Develop and approve SOPs by national coordinators - Implement SOPs at all levels
<b>4.4 Train national and regional coordinators on control of zoonoses</b>	2019	+	++	MoH, MoA	- Develop and approve the curriculum program - Involve international organizations (WHO, CDC, OIE) in organization of and carrying out of training
<b>4.5 Establish the group of technical experts on control of zoonoses, food safety, and emergency response at the regional level</b>	2019	+	++	Regional authorities of MoA, MoH, CES, Ministry of Internal Affairs (MIA)	- Define the group members from different authorities: <ul style="list-style-type: none"> <li>• Local authorities – 2</li> <li>• VS – 2</li> <li>• Public Health – 2</li> <li>• VS laboratories – 4</li> <li>• PH laboratories – 4</li> <li>• CES – 2</li> <li>• MIA – 2</li> </ul>

					<ul style="list-style-type: none"> <li>- Develop the joint action plan</li> <li>- Issue the legal act of the oblast local authorities (Akimat) on establishment of the group</li> <li>- Define periodicity of meetings – twice a year in peace time, and per emergency situation</li> </ul>
--	--	--	--	--	---

### Objective 5: Develop legislation on intersectoral collaboration

<b>5.1 Sign Memorandum of Understanding between MoA and MoH on control of zoonoses, food safety, and response onto the biological, chemical, and radiation emergencies</b>	1 quarter 2019	+	++	MoA, MoH	<ul style="list-style-type: none"> <li>- Define persons in MoH and MoA responsible for preparation of the MoU</li> <li>- Develop draft MoU</li> <li>- Discuss draft MoU</li> <li>- Sign MoU</li> </ul>
<b>5.2 Enact legislation on coordination of Medical and Veterinary Services in the context of One Health</b>	November 2020	+	+++	MoA, MoH	<ul style="list-style-type: none"> <li>- Establish joint group by MoH and MoA joint order</li> <li>- Evaluation of the existing legislation</li> <li>- Develop a roadmap to prepare the new law</li> <li>- Coordinate the draft with all stakeholders incl. NGOs and state bodies</li> <li>- Publish the draft in media and conduct public hearings</li> <li>- Forward consensus draft to the Mazhilis of the Parliament</li> <li>- Forward for official signing</li> </ul>

## RESPONSE AND EMERGENCY FUNDING

### Objective 6: Enable timely response with a joint emergency funding

<b>6.1 Establish joint Emergency Fund</b>	2019	+++	+++	MoH, MoA, Ministry of Finance (MoF), Ministry of Economy (MoE)	<ul style="list-style-type: none"> <li>- Develop regulation on the Emergency Fund, including algorithm of the interactions of all stakeholder sectors</li> <li>- Agree and endorse by the joint order of MoH, MoA, MoF, MoE</li> </ul>
---	------	-----	-----	--	--

### Objective 7: Set up an operational system for joint response

<b>7.1 Establish intersectoral expert working group to develop the joint emergency response system</b>	2019	+	+++	MoH, MoA	<ul style="list-style-type: none"> <li>- Nominate experts from both sectors</li> <li>- Develop concept note for working group</li> <li>- Develop ToRs for working group members</li> <li>- Agree and issue a joint order to establish the group</li> </ul>
<b>7.2 Develop the joint strategy for biological emergency response</b>	2019	+	+++	MoH, MoA	<ul style="list-style-type: none"> <li>- Develop the joint concept</li> <li>- Develop the draft strategy</li> <li>- Agree between sectors</li> <li>- Endorse by the joint order</li> </ul>
<b>7.3 Develop joint action plans on priority zoonoses within the framework of the joint strategy</b>	2019	+	+++	MoH, MoA	<ul style="list-style-type: none"> <li>- Priority zoonoses: <ul style="list-style-type: none"> <li>• Anthrax</li> <li>• Brucellosis</li> <li>• Rabies</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>• Avian flu</li> <li>- Draft the plans</li> <li>- Develop the budget for each plan</li> <li>- Agree the action plans between sectors</li> <li>- Endorse by joint orders</li> </ul>
<b>7.4 Develop joint SOPs and ToRs for joint action plans</b>	2019	+	+++	MoH, MoA	<ul style="list-style-type: none"> <li>- Develop ToRs for all personnel mentioned in the action plans</li> <li>- Develop detailed SOPs for each action plan, including for sampling, transportation, receiving, storage of diagnostic samples, biosafety and biosecurity, etc.</li> </ul>
<b>Objective 8: Test and improve functionality of the joint response system</b>					
<b>8.1 Conduct joint table top exercises (TTXs)</b>	2019	++	+++	MoH, MoA	<ul style="list-style-type: none"> <li>- To test and identify gaps and improve joint action plans on priority zoonoses</li> <li>- Conduct TTX on each joint action plan</li> <li>- Develop scenarios</li> <li>- Prepare the budget and identify number of participants for each TTX</li> <li>- Involve international experts to help in organization and delivery of TTXs</li> </ul>
<b>8.2 Conduct joint functional exercises</b>	2020	+++	+++	MoH, MoA	<ul style="list-style-type: none"> <li>- To train specific functions (fragments) of the joint action plans on priority zoonoses and improve identified gaps</li> <li>- Conduct exercises on each joint action plan</li> <li>- Prepare the budget and identify number of participants for each exercise</li> <li>- Involve international experts to help in organization and delivery of exercises</li> </ul>
<b>8.3 Conduct joint full-scale simulation exercises</b>	2020	+++	+++	MoH, MoA	<ul style="list-style-type: none"> <li>- To test in reality, identify gaps and improve the joint action plans on priority zoonoses</li> <li>- Conduct exercises on each joint action plan</li> <li>- Develop scenarios</li> <li>- Prepare the budget and identify number of participants for each exercise incl. epidemiologists, laboratory specialists, human and animal epidemiologists</li> <li>- Involve international experts to help in organization and delivery of exercises</li> </ul>
<b>8.4 Conduct joint meeting on emergencies at the national level to validate and test the functionality of the joint response system</b>	2019	++	+++	MoH, MoA	<ul style="list-style-type: none"> <li>- Annually</li> <li>- Number of participants – around 100</li> <li>- Physical meetings and teleconferences for specialists from regions</li> <li>- Goal of the meetings – analysis of the functionality of joint response system, assessment of how effective and coordinated were the actions of two sectors</li> </ul>
<b>RISK COMMUNICATION</b>					
<b>Objective 9: Establish joint operational system of risk communication</b>					
<b>9.1 Nominate persons responsible for joint risk communication in each sector</b>	January 2019	+	+++	CPH, CVCS	<ul style="list-style-type: none"> <li>- Develop ToRs</li> <li>- Agree and endorse by joint order</li> </ul>

<b>9.2 Develop SOPs for risk communication</b>	April 2019	+	+++	CPH, CVCS	<ul style="list-style-type: none"> <li>- Meeting of representatives of CPH and CVCS to define SOPs and schedule of their development</li> <li>- Develop and agree SOPs</li> <li>- Endorse SOPs by joint legal order</li> <li>- Train specialists of CPH and CVCS on SOPs</li> </ul>
<b>9.3 Train the trainers on risk communication and conduct subsequent cascade trainings for specialists in regions</b>	April 2019	+	+++	MoH, MoA	<ul style="list-style-type: none"> <li>- By joint order, nominate candidates from MoH and MoA to train trainers and approve the training schedule</li> <li>- Train national trainers</li> <li>- Define target groups, training schedule and conduct cascade trainings at local level</li> </ul>
<b>Objective 10: Establish joint operational system of communication with general public</b>					
<b>10.1 Develop joint communication strategies</b>	July 2019	+	+++	CPH, CVCS	<ul style="list-style-type: none"> <li>- To coordinate information share for general public and to exclude contradictory messages</li> <li>- Develop strategies including: <ul style="list-style-type: none"> <li>- Define target audiences</li> <li>- Develop joint messages</li> <li>- Design information materials</li> <li>- Define communication channels</li> </ul> </li> </ul>
<b>10.2 Develop and release joint awareness materials for general public for prophylaxis and prevention of zoonoses</b>	July 2019	+++	+++	CPH, CVCS, Ministry of Information and Communication (MIC)	<ul style="list-style-type: none"> <li>- Clear information strategy and its funding with all involved stakeholders</li> <li>- Define target groups</li> <li>- Develop messages</li> <li>- Develop information materials including audio, video, infographics for each zoonosis</li> <li>- Implement strategies</li> </ul>
<b>10.3 Establish joint call-center for information sharing with the general public</b>	April 2019	++	+++	CPH, CVCS	<ul style="list-style-type: none"> <li>- Agree regulation on the establishment and functioning of the joint call-center and endorse it by the joint order</li> <li>- Set-up unified multichannel number for phone and internet connection</li> <li>- Prepare standard messages</li> <li>- Inform publics about the joint call-center</li> </ul>
<b>10.4 Sign the Memorandum with mobile operators to inform general publics by SMS about emergencies</b>	March 2019	++	+++	CPH, CVCS, MIC	<ul style="list-style-type: none"> <li>- Prepare the draft Memorandum on information share by CPH specialists</li> <li>- Agree and sign the Memorandum with CVCS and MIC</li> <li>- Inform subordinate bodies of all organizations about Memorandum</li> <li>- Nominate responsible persons from all committees on the national level and in each region in accordance with developed SOPs</li> </ul>

**Difficulty of implementation:** Low +, Moderate ++, Very difficult +++

**Impact:** Low impact +, Moderate impact ++, High impact +++

## OUTPUT 3: PRIORITIZATION RESULTS

All participants were asked to vote individually via sticking green stickers onto the objective cards to select which of the five identified objectives they considered as of the highest priority. Participants gave the top priority to the goals of the foundational and systemic nature, such as establishment of the joint response system, system of intersectoral collaboration, and even more long-term fundamental goals such as legislation enforcing the intersectoral collaboration, pre- and post-graduation education.

