Workshop on Resource Mapping and Multisectoral Partnership Coordination for the Implementation of the National Action Plan for Health Security

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1. Executive Summary

In advance of the planned launch at the end of 2022 of the National Action Plan for Health Security (NAPHS) of The Gambia, the Gambian Ministry of Health, with support from the World Health Organization, conducted an exercise in resource mapping to advance implementation of the activities in the NAPHS (2022-2026).

The workshop, held between 3-5 October 2022 in Banjul, involved use of the resource mapping (REMAP) tool and process developed by WHO to identify financial and technical support for health security in the country, as well as needs for support.

The face-to-face workshop brought together more than 30 participants including representatives from multisectoral line ministries and agencies including: Ministry of Health; Ministry of Agriculture; Gambia Armed Forces; National Pharmaceutical Services; National Public Health Laboratory; Gambia Immigration Department;; Food Safety Quality Authority; National Environment Agency; National Disaster Management Agency. The Multisectoral Engagement for Health Security (MHS) Unit at WHO Headquarters supported the exercise in close collaboration with the WHO Regional Office for Africa and the WHO Country Office in The Gambia. Partners and donors were also invited to participate in the workshop.

The REMAP tool and process was used to map the health security projects that partners and the government are supporting in the country at national and subnational levels, allowing policymakers, donors, and partners to see where gaps exist and where more investment of financial and technical resources is needed.

The resource mapping demonstrated that little funding is currently committed directly for NAPHS activities. However, more than $28 million in partner support for overall health security activities in the country (beyond the NAPHS) was mapped. This can be leveraged to support NAPHS implementation in addition to the salary and infrastructure support being provided by the government, which is often the implementing agency in health security activities.

The mapping demonstrated that the partner support is heavily weighted toward areas such as food safety, biosafety and biosecurity and immunization. Major gaps were identified in areas such as Medical Countermeasures, Real Time Surveillance, Antimicrobial Resistance and Workforce Development, where $50,000 in partner health security support was mapped compared to nearly $11 million costed in Workforce Development activities in the NAPHS.

The process involved identification of the key partners and stakeholders who are supporting health security in the country, as well as their priority areas, which can be used to facilitate coordination and alignment for NAPHS.

Workshop participants further used the REMAP tool and process to map the human resource needs for implementation of the NAPHS activities. The national experts identified whether outside technical assistance was needed to complete each NAPHS activity and, if so, what specific assistance was required. This portion of the exercise was designed to support The Gambia in the identification and matching of technical partners that can support.

A range of NAPHS activities were identified as in need of expert technical assistance for completion, with areas of particular need including Biosafety and Biosecurity, National Laboratory System, Real Time Surveillance, Workforce Development, Risk Communication and Radiation Emergencies. The workshop participants further prioritized 52 of the NAPHS activities as most urgently requiring international expert technical support.

While the NAPHS is not yet launched, workshop participants indicated that implementation had begun, particularly in areas such as National Legislation, Food Safety and Immunization, with overall NAPHS implementation status at least 4 percent. The REMAP tool can be used to further update the status as activities progress.

The tool and dashboard provides Excel and online platforms for visualizing NAPHS implementation in the country and for national focal points to use in the ongoing tracking and analysis of health security resources in The Gambia, as the resource mapping is meant to be an ongoing process with partners invited to share information and become involved in a coordinated multisectoral approach to strengthening preparedness.

2. Introduction

The Gambia, officially the Republic of The Gambia, stretches 450 km along the Gambia River and is surrounded by Senegal, except for a 60-km Atlantic Ocean front. The country has a population of 2.5 million. With 176 people per square kilometer, it is one of the most densely populated countries in Africa. Most of the population (57%) is concentrated around urban and peri-urban centers.

The health sector has seen achievements in the fight against malaria, trachoma, and the declining maternal mortality ratio but remains pressured by factors including high population growth rate, the COVID-19 pandemic, insufficient financial and logistic support, deterioration of physical infrastructure, inadequacies of supplies and equipment, shortage of adequately and appropriately trained health personnel, high attrition rate as well as inadequate referral system. The Gambia has created a National Health Policy (2021-2030) with the theme "Building Partnerships for Quality Health Care for All" with a mission to provide quality, affordable and equitable healthcare for the population within the context of Primary Health Care.

The health policy is in line with the Gambia National Development Plan (2018 – 2021) to achieve the Sustainable Development Goals (SDG) health related goals of a three-quarter decline in maternal mortality and a two-third decline in mortality among children under five; to halt and reverse the spread of HIV/AIDS and to provide special assistance to orphans.

The Gambia has further shown commitment to strengthening health emergency preparedness, including conducting a Joint External Evaluation (JEE) of its health security activities in 2017, which was informed by gaps identified in an International Health Regulations (IHR) core capacity assessment conducted in 2009 and a pathway to veterinary services (PVS) assessment and gap analysis that was conducted in 2016. The JEE found an average score of 29 percent across 19 technical areas and the results were used to develop the National Action Plan for Health Security (NAPHS 2022-2026), which has been costed, validated and readied for launch.

In advance of the planned NAPHS launch at the end of 2022 , the Gambian Ministry of Health, with support from the World Health Organization, conducted an exercise in resource mapping to advance implementation of the activities in the country's NAPHS (2022-2026). The workshop, held between 3-5 October 2022 in Banjul, involved use of the resource mapping (REMAP) tool and process developed by WHO to identify financial and technical support for health security in the country, as well as needs for support.

The Multisectoral Engagement for Health Security (MHS) Unit in the Health Security Preparedness Department at WHO Headquarters , working closely with the WHO Regional Office for Africa and the WHO Country Office in The Gambia, provided technical support to the Ministry of Health in the resource mapping.

3. RESOURCE MAPPING (REMAP) tool and process

Under the WHO Thirteenth General Programme of Work, the WHO Health Emergencies Programme contributes to the strategic priority of 1 billion more people better protected from health emergencies. WHO developed the resource mapping (REMAP) tool to advance this effort and support Member States in strengthening core health security capacities. The REMAP tool was first launched in 2018 to support country efforts to meet the requirements of the International Health Regulations through the implementation of the National Action Plans for Health Security (NAPHS).

 NAPHS implementation requires identifying country gaps and needs, mobilizing financial and technical resources (domestic and external) and monitoring and evaluation of national plans. The REMAP tool is customized for each country to link national priorities for health security with available and potential resources (financial and technical) . The tool and process is used to map the health security activities and investments in the country, both domestic and external, and to identify gaps and needs, while highlighting key areas for collaboration between the government and partners. The REMAP tool is used to map the health security projects and interventions in the country — through financial or technical assistance — allowing policymakers and partners to see where the gaps exist and where more investment of resources is needed.

REMAP provides details of each health security activity mapped in the country, including the funding source, timeline, geographical location, nature of activity, and technical area supported (i.e. surveillance, laboratory or risk communication). As a result, the countries and partners now know what is being supported in the countries and by whom, and which key technical and geographical areas are lacking support. The process also includes human-resource mapping, which is necessary to identify human-resource needs for implementing the health security plan. By identifying needs and gaps, decision-makers can make evidence-informed decisions on resource allocation and re-allocation necessary to implement health security plans.

4. Objectives

The workshop aimed to:

- Provide government, partners, donors, agencies and other multisectoral stakeholders with better visibility of available and potential resources for health security in order to accelerate the implementation of the National Action Plan for Health Security (NAPHS)

- Facilitate the sharing of information between the country, partners and donors, including data on partner investments and activities, on country needs and gaps and on the effectiveness of funds allocated to preparedness activities in public health and health security;

- Encourage collaboration and synergies through the harmonization of the efforts of the country, donors and partners in order to prepare the strengthening of national capacities for prevention, detection and response as well as public health;

- Provide a platform for monitoring the implementation of the NAPHS and identifying specific technical needs for assistance in completing activities needed to strengthen health security

5. Report on Sessions

The face-to-face workshop brought together more than 30 participants including representatives from multisectoral line ministries and agencies including: Ministry of Health; Ministry of Agriculture; Gambia Armed Forces; National Pharmaceutical Services; National Public Health Laboratory; Gambia Immigration Department;; Food Safety Quality Authority; National Environment Agency; National Disaster Management Agency. Partners and donors were also invited to participate in the workshop.

The main activities carried out in the workshop were:

- Identification of existing investments in NAPHS activities for baseline assessment of funding gap

- Technical Needs for Assistance identified (human resources) for implementation of the NAPHS, data which can be shared with technical partners for enhanced mobilization of assistance

- Mapping of health security activities and investments in the Gambia throughout the 19 technical areas to facilitate the identification of needs and gaps and the allocation and reallocation of resources.

I.   Welcome and opening remarks

The workshop was opened by **Karamba Keita**, Deputy Permanent Secretary technical, Ministry of Health, who described the resource mapping as critical in ensuring that adequate resources are mobilized under the NAPHS. **Alhagie Sankareh**, Regional Director of Health Services at the Ministry of Health and Social Welfare, **Dr Buba Manjang**, Director of Public Health, and **Sean Cockerham**, Technical Officer, WHO Headquarters, further welcomed the participants and spoke

Karamba Keita, Deputy Permanent Secretary technical, Ministry of Health, opens the REMAP workshop in The Gambia, speaking next to Dr Buba Manjang, Director of Public Health.

on the importance of health security, preparedness and the NAPHS.

II. Methodology

Group work during the REMAP workshop in The Gambia

Working group discussions were the core of the workshop. Participants were divided into 4 groups in the categories of: Prevent, Detect, Respond and Other IHR-related Hazards and Points of Entry; and provided with data sheets and guidance. Participants used the ***Health Security Activities Data Sheet*** to identify whether each NAPHS activity has committed funding (from government and partners), if it requires technical assistance to be implemented and, if so, what specific technical assistance is needed. Participants also indicated the status progress in implementing activities in the NAPHS.

Participants, guided by facilitators, also used the ***REMAP Data Sheet*** to identify the health security investments and activities at national and subnational levels (beyond the NAPHS) and the financial, technical and in-kind support that enables them. WHO compiled the results in the REMAP tool for analysis and discussion.

III. Results from working session and key findings

The exercise detailed more than 185 summary activities and 493 detailed health security interventions at national and sub-national level in the NAPHS of The Gambia, illustrated below by technical area, with the largest number of detailed activities in Biosafety and Biosecurity (67) and National Laboratory System (65).
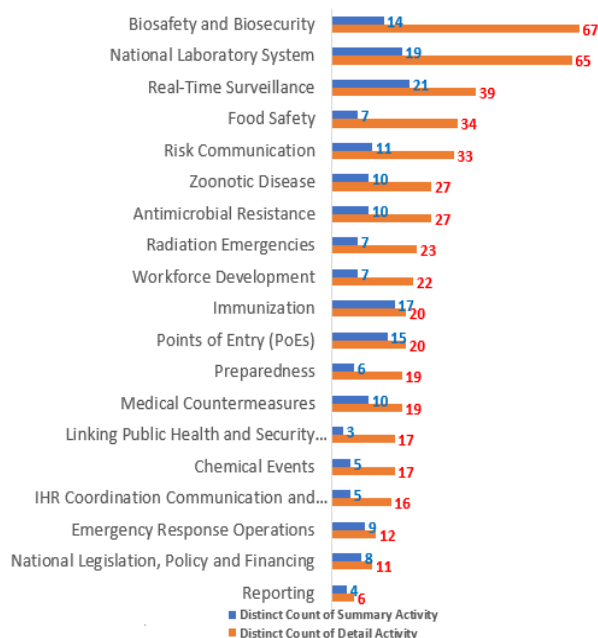
Figure 1: NAPHS summary and detailed activities by Technical Area

The resource mapping demonstrated that limited funds are currently pledged directly to NAPHS activities. Participants mapped $420,039 in committed funding as compared to the NAPHS cost at $100,704,631 (based on current exchange rates.)

However, $28,672,375 in partner support for overall health security activities in the country (beyond the NAPHS) was mapped through the process. This can be leveraged to support NAPHS implementation in addition to the salary and infrastructure support provided by the ministries, which often are the implementing agencies in health security activities in the country.

The mapping found partner support focused in areas such as food safety, biosafety and biosecurity and immunization. Major gaps exist in areas such as Medical Countermeasures, Real Time Surveillance, Antimicrobial Resistance and Workforce Development, where $50,000 in health security support was mapped compared to nearly $10,991,654 costed in Workforce Development activities in the NAPHS. Other technical areas identified with little partner support in The Gambia include Zoonotic Disease and Risk Communication, where $250,000 in support was identified compared to $11,067,726 needed in the costed NAPHS.

National Laboratory System is another area in need of substantial support, with $1 million in overall support specified from WHO, FIND and Global Fund with nearly $31 million in activities included in the costed NAPHS.

An illustration of health security activities and investments mapped in each of the 19 technical areas is illustrated below.
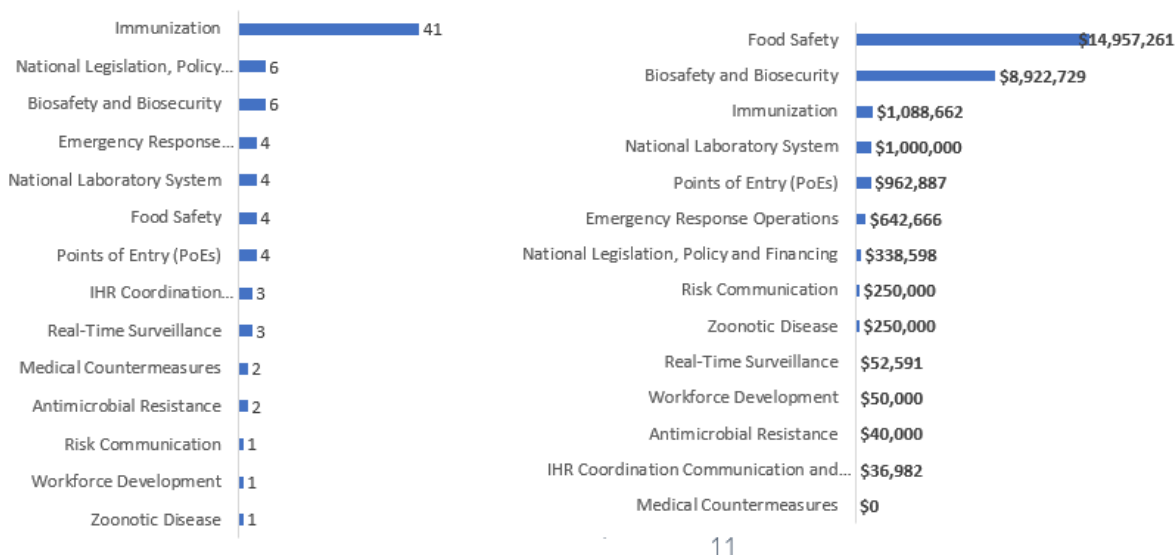
Immunization	41
National Legislation, Policy...	6
Biosafety and Biosecurity	6
Emergency Response...	4
National Laboratory System	4
Food Safety	4
Points of Entry (PoEs)	4
IHR Coordination...	3
Real-Time Surveillance	3
Medical Countermeasures	2
Antimicrobial Resistance	2
Risk Communication	1
Workforce Development	1
Zoonotic Disease	1

Food Safety	$14,957,261
Biosafety and Biosecurity	$8,922,729
Immunization	$1,088,662
National Laboratory System	$1,000,000
Points of Entry (PoEs)	$962,887
Emergency Response Operations	$642,666
National Legislation, Policy and Financing	$338,598
Risk Communication	$250,000
Zoonotic Disease	$250,000
Real-Time Surveillance	$52,591
Workforce Development	$50,000
Antimicrobial Resistance	$40,000
IHR Coordination Communication and...	$36,982
Medical Countermeasures	$0

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Figure 2: Health Security investments mapped in each of the 19 technical areas

The mapping further identified the key partners and stakeholders who are supporting health security in The Gambia and can be engaged in collaboration to facilitate coordination and alignment for NAPHS implementation.

Visualizations in the REMAP tool include detailed amounts invested in health security by the different entities working at the national and sub-national level, with major donors including The European Union (EU), which is investing particularly in Food Safety, The World Bank, which is supporting Biosafety and Biosecurity, Immunization and Real-Time Surveillance, WHO (with a wide variety of support across technical areas) and Resolve to Save Lives, which has funded activities prioritized in the NAPHS that support the alignment of National Legislation and the International Health Regulations (IHR, 2005) in The Gambia. The International Organization for Migration (IOM) is a supporter of Points of Entry activities in the country while GAVI has shown commitment to supporting the implementation of immunization activities in the Gambia.

The Gambia can work with these partners, and others, who have shown that supporting health security in the country is a priority, to coordinate for the implementation of activities in the country NAPHS. An illustration of the partners mapped through the exercise as supporting health security in The Gambia is shown below.
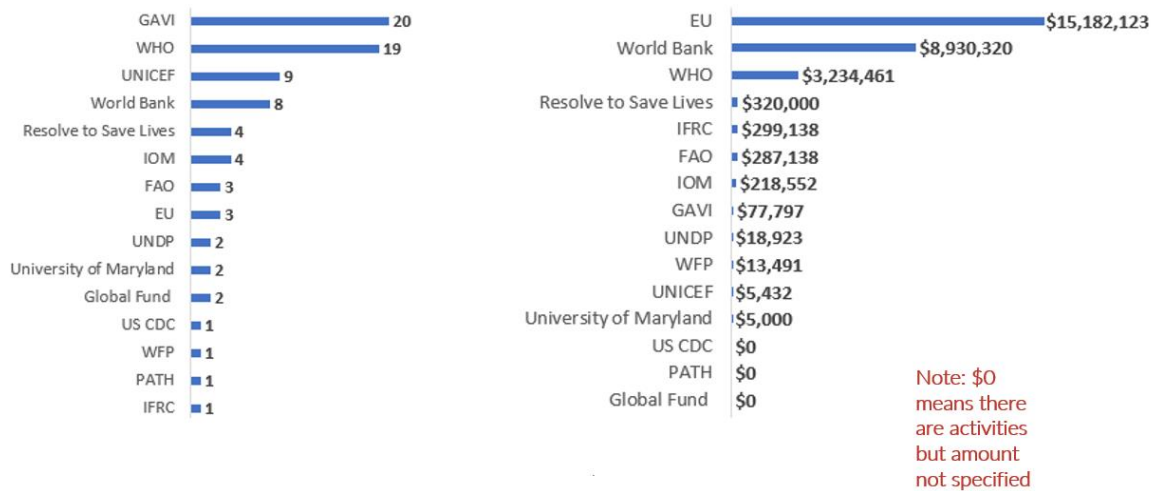
Figure 3: Number of health security interventions and amount mapped by partner/government

More detailed information on the details of partner and government health security support mapped in the country is included in the Excel and online REMAP dashboards created for The Gambia, including the details of activities, years of the project, regions being supported, amount of the investment, implementing agency (if any), whether the activity represents financial or technical assistance, and other relevant details.

The Gambia is encouraged to use the data for an evidenced-based dialogue with partners on how these existing health security investments can be leveraged to support the implementation of national priorities as reflected in the country's NAPHS, as well as to promote the allocation and reallocation of resources in areas of particular need. The data is also encouraged to be shared, including through WHO, with other partners who are not currently working in the country to better understand areas of need and how they might support The Gambia.
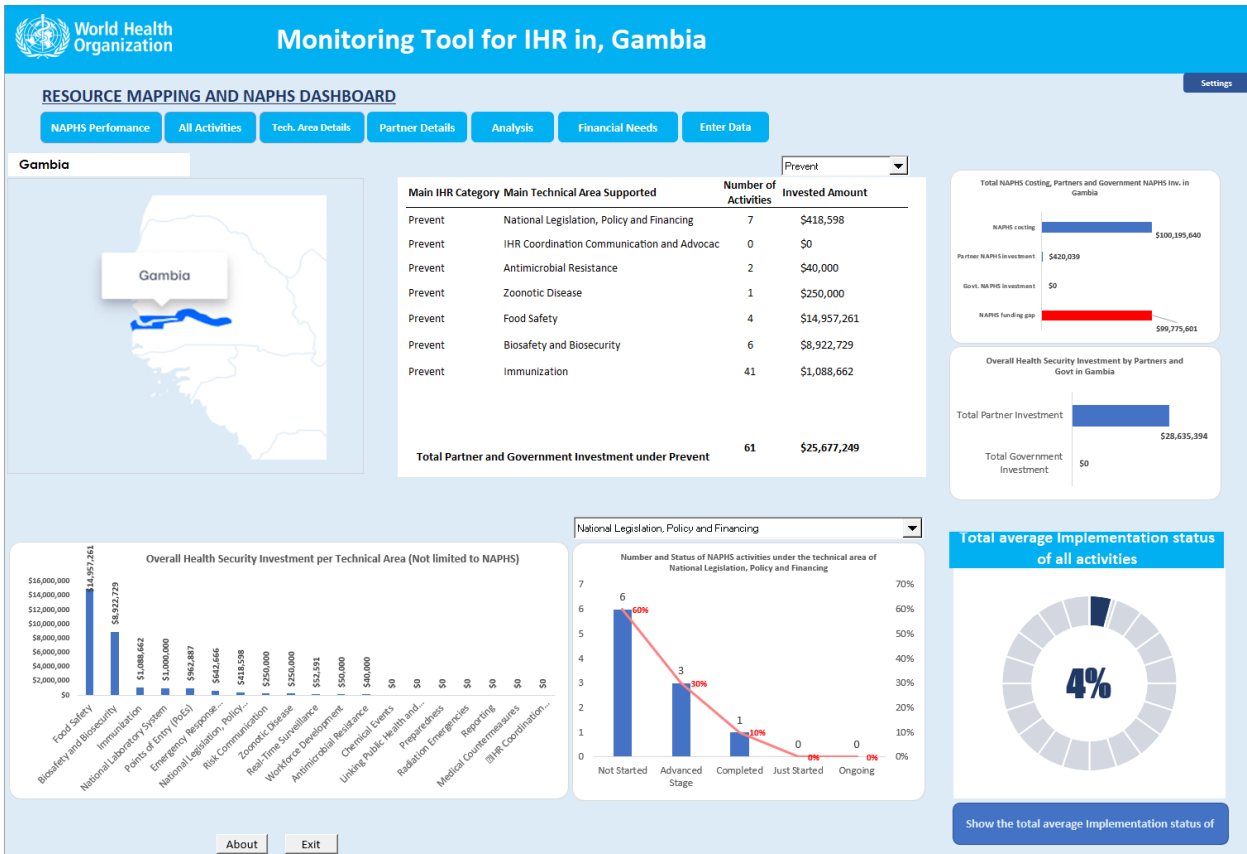
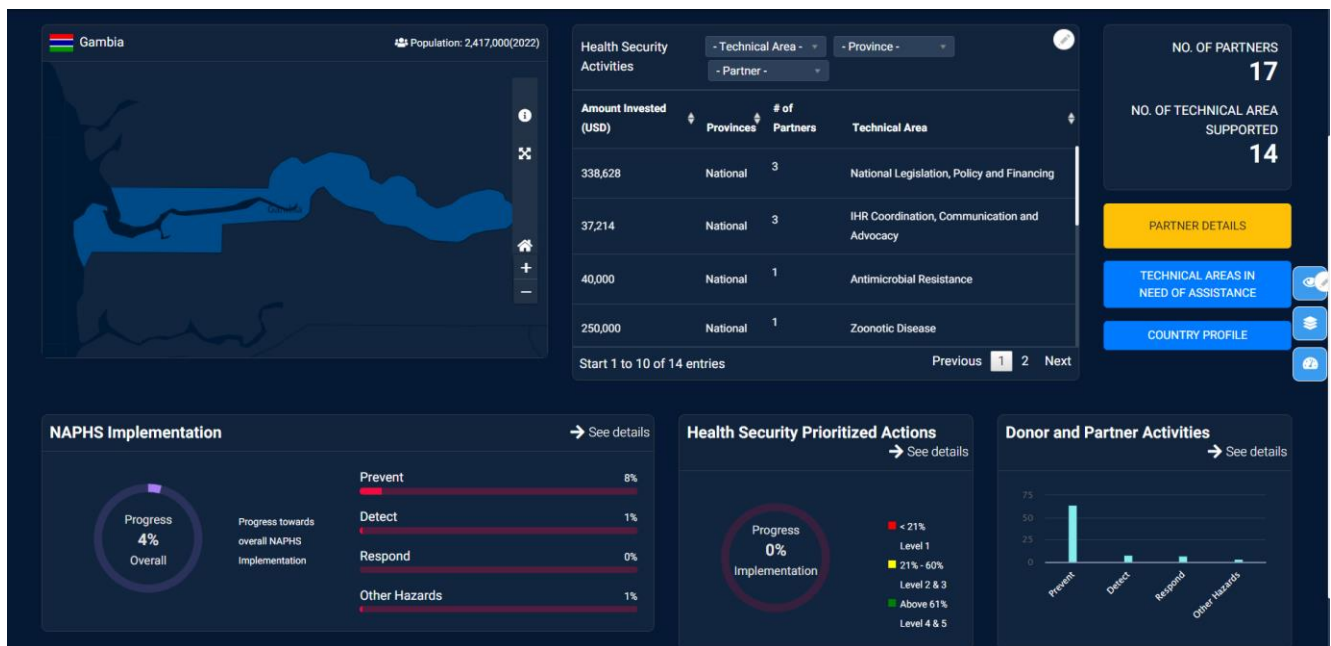*Figure 4: Illustration of the Excel REMAP dashboard built for The Gambia*

Figure 5: Illustration of the online REMAP dashboard built for The Gambia

The REMAP tool and process is also being used in The Gambia to track and monitor progress in the implementation of the NAPHS. While the NAPHS is not yet launched, workshop participants indicated that implementation had begun, particularly in areas such as National Legislation, Food Safety and Immunization, with overall NAPHS implementation status at least 4 percent. The REMAP tool can be used to update the status as activities progress.

The working groups further used the REMAP tool and process to map human resource needs for implementation of the specific NAPHS activities. The national experts identified whether outside technical assistance was needed to complete each NAPHS activity and, if so, what specific assistance was required. This portion of the exercise is designed to support The Gambia in the identification and matching of partners that can support.

This support can be facilitated through the partner matching function in the WHO Strategic Partnership for Health Security and Emergency Preparedness (SPH) Portal https://extranet.who.int/sph/home as well as through the Global Sustainable Preparedness Network (GSPN), which WHO is establishing as a network of Member States, multisectoral partners, public health institutions, international organizations and others to facilitate the provision of technical assistance to countries.

A range of NAPHS activities were identified as in need of expert technical assistance for completion, with technical areas of particular need including Biosafety and Biosecurity, National Laboratory System, Real Time Surveillance, Workforce Development, Risk Communication and Radiation Emergencies. The workshop participants prioritized 52 of the NAPHS activities as most urgently requiring international expert technical support.

Examples of the needs for expert technical assistance are listed below. The full listing, including the nature of the assistance needed and the activities prioritized at the workshop as requiring the most urgent support, is provided in Annex 1.

Examples of Technical assistance needs identified for NAPHS activities:

- Adaptation of IDSR guidelines for local health workers and volunteers, development of training manual, SOPs and guidelines for cross border collaboration and information exchange, training of surveillance officers

- Support for developing and implementing an up-to-date One Health workforce strategy, field epidemiology training, development of IHR/ISDR curriculum

- Updating Health Sector Emergency Preparedness & Response Plan based on JEE recommendations and testing the plan, surge staff capacity mapping, building EOC capacity, training in GIS mapping.

- Implementation plan developed based on mapping of existing domestic legislation, regulations, policy and administrative requirements , to adjust and align them in order to enable compliance with the IHR

- Development and validation of guidelines and Standard Operating Procedures (SOPs) for IHR NF

- Support the development of the AMR national surveillance system for human and animal health

- Establishment of a functional Food Testing Laboratory for monitoring and surveillance activities

- Development of national Biosafety and Biosecurity framework, guidelines and SoPs for laboratories, Biosafety/Biosecurity trainings and emergency response plans

- Training of immunization service providers on immunization service delivery standards

- Support in One Health technical expertise for laboratory, development of procedures and guidelines, review existing point of care and rapid diagnostic tests, data management training

- Support in updating the Health Sector Emergency Preparedness & Response Plan based on JEE recommendations and testing the plan, surge staff capacity mapping, building EOC capacity, training in GIS mapping.

- Develop strategies, guidelines and SOPs for zoonotic diseases

- Develop protocols and MOUs for civil-military collaboration for health security and IHR, support stakeholders in establishing formal communications process to share information, based on identified triggers

- Development and review of regulatory framework for medical countermeasures during health emergencies, stakeholder engagement on a national plan for sending, receiving, stockpiling, drugs medical supplies and equipment for medical countermeasures, tabletop simulation exercise for medical countermeasures

- Guidance in development of risk communication policy and plan, development and validation of communication engagement strategy, training of trainers

- Development and validation of a national strategic plan for PoEs, development of contingency plan for seaport and ground border crossings.

- Development of national chemical risk profile

6. Recommendations

- Government of The Gambia, WHO and its partners: Use REMAP data to accelerate collaboration in order to mobilize resources for the implementation of priority activities of the National Health Security Action Plan (NAPHS);
- Government of The Gambia: Discuss with WHO the possibility of mobilizing technical assistance through the Global Sustainable Preparedness Network (GSPN) for the implementation of the priority activities of the NAPHS;
- Government of The Gambia: Use the resource mapping tool to monitor the progress of the NAPHS and analyze the impact, and discuss the results during regular meetings;
- WHO: Assist The Gambia to periodically update the resource mapping at the national and subnational levels.

7. Next steps

- WHO will train national focal points in the use and updating of the REMAP tool
- The country should share the mapping with technical and financial partners to promote collaboration and collect further information on their level of resources for the NAPHS;
- The country should periodically update the tool with WHO support to capture information from partners and ministries
- The REMAP data should be validated by the country and published on the WHO Strategic Partnership Portal (SPH Portal), which will be used for information sharing and as a platform for collaboration and advocacy to advance the implementation of the NAPHS of the Gambia. https: //extranet.who.int/sph.

8. Annexes

Annex 1: Activities in Need of Technical Assistance

Technical Area	Activity Details	Technical Assistance Details
National Legislation, Policy and Financing	Prioritized Activities	
	Recruit a consultant to develop a formulation / review / adjustment implementation plan based on the review of the comprehensive analysis of existing legislation	Hiring of consultant, five days workshop, three day technical review
	Review and update the exiting websites of the relevant stakeholders existing laws and policies aligned to IHR.	Hiring of National Consultant
	Other Activities	
	Organize a workshop to validate the consultant report's findings and recommendations	Hiring a consultant, Two days validation workshop
	Hiring of a consultant to draft the relevant national legislations in accordance with the validated consultant's report	Hiring of a National consultant
	Stakeholders to validate the draft national legislations to ensure compliance with relevant regulations, policies and administrative requirements.	Hiring of National consultant, Two days validation workshop
	Drafting of cabinet paper by the MOJ and submission of the final Draft Bill to the cabinet	Hiring of National consultant
	Conduct a workshop to share the findings on the comprehensive assessment of the existing legislations, regulations and administrative policies	Hiring a national consultant

Technical Area	Activity Details	Technical Assistance Details
	Prioritized Activities	

IHR Coordination Communication and Advocacy	Draft NFP guidelines and SOPs (30Pax*3days)	Hiring consultant, 3days national workshop
	Validate NFP guidelines and SOPs (60Pax*1 day)	Hiring consultant, national validation workshop

Technical Area	Activity Details	Technical Assistance Details
Antimicrobial Resistance	Prioritized Activities	
	Hire an international consultant to support the development of the AMR national surveillance system for human and animal health	Hiring of international consultant
	Hire consultant to develop AMR bill	Hiring of international consultant
	Other Activities	
	Hire local consultant to develop the national AMR action plan	Hiring of national consultant
	Conduct retreat workshop to review and validate national AMR action plan	Conduct retreat 5days retreat workshop, Hiring of national consultant
	Conduct retreat workshop to cost the multisectoral national action plan of AMR	Conduct retreat 5days retreat workshop, Hiring of national consultant

Technical Area	Activity Details	Technical Assistance Details
Zoonotic Disease	Prioritized Activities	
	Hire international consultant and 2 technical person to review surveillance capacity, existing coordination and data sharing mechanism of each sector using one health approach	Hiring International consultant
	Hire international consultant to develop of strategies, guideline and SOPs for zoonotic diseases	Hiring of international consultant
	Other Activities	
	Hire local consultant and technical persons to develop guideline and SOPs for coordinated response to zoonotic events and ,management of priority zoonotic diseases	Hiring of National consultant, 5days retreat workshop
	Stakeholders workshop for review and validation of consultant work 30 participants to review and validate the guidelines and SOPs	Hiring of National consultant, 2days workshop
	Conduct a step down training on approved operational, associated guideline and SOPS for human and animal health staff at regional	Hiring of National Consultant

Technical Area	Activity Details	Technical Assistance Details
Food Safety	National Validation of the draft policy	Technical inputs are required
	Hire a consultant to conduct a national laboratory capacity assessment and identify existing human and material capacity and gaps	To identify personnel and material capacity Gaps
	Procurement of laboratory equipment	Procurement of reagents and glassware
	Train laboratory staff on the use of equipment and test methods	Personnel capacity building
	Hiring of a consultant to develop SOPs and laboratory management system based on ISO 17025:2017	National consultant, International consultant to work with Food laboratory assessment officer to train and develop lab personnel
	Validation of Develop SOPs and laboratory Management System based on ISO 17025.2017	Technical inputs are required
	Proficiency testing and accreditation of labs	Technical assistance to procure proficiency tests and accreditation body
	Hire a consultant to develop a food control monitoring and surveillance plan coupled with product registration Scheme	No details provided
	Consultative meeting to develop the plan and scheme	No details provided
	Validation of the developed plan and scheme	No details provided
	Develop the Strategy	No details provided

Technical Area	Activity Details	Technical Assistance Details
Biosafety & Biosecurity	Prioritized Activities	
	Hire an international consultant to develop a national biosafety and biosecurity framework	Development of the National Biosafety and Biosecurity Framework
	Hire a national consultant to develop legislation/regulation and mainstream biosafety and biosecurity into the revised public health Act and other Acts deem necessary	Consultant to give assistance on legislation/mainstream biosafety and biosecurity into Public Health Act
	Hire a national consultant to establish a regulatory body for licensing laboratories	Consultant to give assistance on establishment of regulatory body for licensing labs

	Hire a national consultant to guide the process to develop guidelines and SOPs for laboratory/ facility commissioning and certification for all sectors	Consultant to assist development of guidelines and SOPs for laboratory certification
	Hire local consultant to develop strategic plan for protection of healthcare workers on exposure to blood borne pathogen, air borne hazards, and exposure to medical waste	Consultant to develop strategic plan for protection of healthcare workers on exposures
	Hire an international consultant to conduct a training need assessment and develop capacity curriculum for training	Consultant to develop capacity curriculum for training
	Hire consultant to support the development of drills on biological risk protocols.	Consultant to support the development of drills on biological risk protocols.
Other Activities		
	Develop a regulatory body for licensing laboratories through stakeholders workshop with the national consultant	Consultant to give assistance on development of regulatory for labs
	Develop data collection tools to conduct survey	Software expert need to develop real time data collection tool for the survey
	Develop guidelines and SOPs for laboratory/ facility commissioning and certification for all sectors with the national consultant	Consultant to assist development of guidelines and SOPs for laboratory certification
	Hire national consultant to guide the process of developing data collection tools on KAP survey	Software expert need to develop data collection tool for the KAP survey
	Hire national consultant to guide the process of developing guidelines for human and animal care workers handling microorganisms in all sectors	Consultant to assist development of guidelines for handling microorganism in all sectors
	Hire an international consultant to develop national policy and strategic plan for pathogens control measures and reporting system for all sectors	Consultant to develop national policy and strategic plan for pathogens control measures and reporting system for all sectors
	Hire national consultant to develop infection control principles and SOPs for health safety measures on biosafety and biosecurity for all sectors	Consultant to develop infection control principles and SOPs for health safety measures on biosafety and biosecurity for all sectors

	Hire national consultant to develop Posters, stickers and leaflets for raising general safety awareness on pathogen control	Consultant to develop messages booklets, Posters, stickers and leaflets for raising general safety awareness on pathogen control
	Hire an international consultant to develop the plan	Consultant to assist emergency response plan for facilities storing dangerous pathogens
	Build functional National Biobank lab to secure dangerous pathogens and toxin	Consultant need in the development of construction plan for the national biobank lab
	Hire an international consultant to develop biosafety and biosecurity training academic curriculum programmes	Consultant to develop biosafety and biosecurity training academic curriculum programmes

Technical Area	Activity Details	Technical Assistance Details
Immunization	Biannual catch up vaccination for Measle Rubella Second dose and Zero doses (MCV) and other 2YL vaccine(MenA,DPT4)	Hiring of National consultant
	Microplanning for Biannual catch up vaccination for MCV2 & other 2YL vaccines	Hiring of National consultant
	Production and distribution of 2000 speaking books to caregivers of children under 1 year of age	Hiring of National consultant
	Train immunization service providers on immunization service delivery standard	Hiring of consultant
	Building of 50 new outreach sites for immunization growth monitoring and maternal care	Hiring a contractor

Technical Area	Activity Details	Technical Assistance Details
National Laboratory System	Prioritized Activities	
	Hire a Local consultant to assess testing capacity of animal, human, plant fisheries, food laboratories for testing of priority diseases.	Technical expert in one health approach
	Hire consultants to review the existing specimen referral system (in country & external) and integrated National policy, guidelines and SOPs on specimen management for human, animal, food and environment	Looking at one health
	Hire a legal practitioner draft man to develop a bill for establishment of a laboratory council.	No details provided

		Other Activities	
		To develop and Sign MOU with at least 3 international reference labs for conducting EQA	Draft and validated MOU is needed
		Hire International consultant	Training of regional and central managers on QMS
		To conduct validation workshop of SOPs & procurement chain guidelines	There is need for integrated and consolidated guideline in all the 15 priority diseases in one health
		To train personnel IATA Certification	Provision of IATA training for regional and central staffs
		To conduct a technical meeting for the development and reviewing of SOPs and procurement chain guidelines for at least 15 animal and human priority diseases respectively	Technical expert in one health approach
		To develop and sign MOU with 2 Courier Services/Riders for Health	Development of beneficial and sustainable MOU
		To develop training manuals for laboratory testing and documentation of quality control results	Experts in developing on Laboratory training manuals that will be recommended internationally
		Annual training of lab staff on testing procedures and documentation	Standardized training modules for Laboratory staffs
		Hire consultant to conduct a training needs assessment of laboratory staff	Someone with experience in laboratory science
		Review and validate the Training need assessment report	No details provided
		Develop a training manual for laboratory staff	Standardized training modules for Laboratory staffs
		Construct a new reference laboratory in The Gambia for testing all priority diseases (Zero Cost already funded)	No details provided
		Refurbish laboratories at human, fisheries, plant and animal health	Need support in all laboratories
		Procure equipment for the laboratories	No details provided
		To send biomedical engineers to do factory training for maintenance services of laboratories equipment	Need a trainer for our biomedical personnel on the calibration and maintenance
		Procure spare parts for selected equipment (cost of spare parts from suitable suppliers)	Store in spare parts and factory training of our biomed staffs
		To send Biomedical engineers to be train for calibration of selected equipment.	Factory training
		Procure calibration equipment calibration of selected equipment.	No details provided

		Conduct a workshop to review & validate the report of the consultants	No details provided
		Conduct workshop to develop standard procedures and guidelines for sample referral for each lab (human, food, animal, fisheries and plant labs).	Consultant needed
		Conduct a workshop to validate SOPs and guidelines for sample referral	No details provided
		Procurement of materials for sample collection, storage and transportation	No details provided
		Hire an international consultant for development of training manual for MoH courier staff	No details provided
		To validate training manual document by stakeholders.	Coordination
		Hire International consultant to review existing point of care and rapid diagnostic tests	Consultant well experienced on PoC
		Conduct review & validation on the findings of the existing point of care and rapid diagnostic tests by the consultant.	Coordination
		Develop national guidelines and SOPs for point of care and rapid diagnostic test for animal and human priority disease. Develop operational plan for the use POC equipment	No details provided
		Validate operational plan, national guidelines and SOPs for point of care and rapid diagnostic test for animal and human priority disease.	No details provided
		Procure laboratory POC device/rapid diagnostic test for animal and human priority diseases	No details provided
		Training of lab staff on point-of-care/rapid diagnostic tests for priority animal and human diseases	Trainers of trainee needed
		Identify international laboratories with testing capacity for confirmatory laboratory diagnostics	Identification & MoU needed
		Develop and sign MOU for external laboratory testing for point of care for priority diseases	No details provided
		Develop and sign MOU with courier services for sending samples to the external laboratories	No details provided
		Conduct field evaluation for point of care test for some priority diseases	No details provided
		Conduct internal audit as a baseline for National, Regional and District laboratories	Train laboratories at National level for auditing
		Develop and disseminate audit, supervisory and mentorship documents (Checklist, SOP and job aids)	No details provided
		Conduct QMS training to laboratory personnel (Human, plant, fisheries, food and Vet Laboratories)	A trainer in one health QMS
		Conduct Mentors training and attach a mentor to each lab for a specify period.	No details provided

	Conduct QMS mentorship program sessions at each laboratory per year. Attach one mentor to a laboratory for a year to help setup QMS	No details provided
	Conduct quarterly supportive supervision at each laboratory to monitor the QMS	No details provided
	Sign MOU with accredited labs to send samples for proficiency testing to all participating laboratories across the country	No details provided
	Apply for ASLM SLIPTA certification for all participating laboratories across the country	No details provided
	Sign MOU with accredited laboratories to conduct EQA for priority diseases.	No details provided
	Send samples to the accredited laboratories for EQA	No details provided
	Conduct a Workshop to validate the draft bill	Local consultant needed
	Establish laboratory board/ council (licensing and registration)	No details provided

Technical Area	Activity Details	Technical Assistance Details
Real Time Surveillance	**Prioritized Activities**	
	Hire a local consultant for 14 days with 3 technical persons to review National IDSR data and establish threshold for cases to determine epidemics or outbreaks especially for animal health sector	To establish thresholds to determine epidemic and outbreak
	Other Activities	
	Hire 1 local consultant to review and edit the Draft National IDSR	Technical to review and edit the draft National IDSR
	Adaptation of the 3rd edition of the IDSR guidelines for detection and reporting of cases for local health workers and volunteers	Technical assistance to guide the adaptation process
	Adapt the generic IDSR training package	Technical assistance to guide the adaptation of generic IDSR training package
	Three days meeting for 12 stakeholders for Development of training manual for detection and reporting of disease under surveillance for community volunteers in both human and animal health	Technical assistance to develop training manual for detection and reporting
	Three days TOT on training manuals for 30 managers from human and animal health	Technical assistance on TOT for Managers

	One day workshop of 10 stakeholders to review and validate threshold for priority disease epidemics and outbreaks for human health sectors	To review and validate the thresholds priority disease
	4 days Workshop to develop SOP and Guidelines for Cross-border collaboration and information exchange	To support development of SOPs and guidelines
	Training of Surveillance officers on event based Surveillance	To train the trainers
	Training of community volunteers on Community surveillance	To train the trainers
	Setup EBS tracking system linked to the PHEOC	To setup a tracking system for EBS and link it PHEOC
	Hire a consultant to perform situational and gap analysis on integration of animal and plant information system on the DHIS2 platform and to design data collection and data entry software for human and animal health	Conduct situational and gap analysis on integration of animal and plant information on the DHIS2 platform, designing software for data collection and data entry
	Integration of animal, human health surveillance data and human health laboratory reporting system into DHIS2	To integrate animal, human surveillance data and laboratory system into DHIS2
	Conduct routine training on application of DHIS2 software for surveillance staff at all levels, national, regional and district level surveillance staff	To support training of trainers
	Train human and animal health staff on health data analysis at national, regional and district levels	To conduct training of trainers
	Training of human and animal health staff on data management (Data analysis, interpretation and data use)	Training of trainers
	Conduct 4 days meeting to develop/adapt protocols for sentinel surveillance sites	To support the development of protocol for sentinel surveillance sites
	Conduct 5 days training for 25 staff at the sentinel sites	To support the training of the staff

Technical Area	Activity Details	Technical Assistance Details
Reporting	Prioritized Activities	
	Hire a consultant to train the nominated candidates on WAHIS reporting system	Expert on WAHIS Reporting
	Develop, validate and print protocols and/or SOPs for reporting to NFP/WHO.	Expert in developing SOPs and Protocol to report to NFP/WHO
	Other Activities	

	Conduct workshop to train the nominated candidates on WAHIS reporting system	Expert on WAHIS Reporting
	Train stakeholders on developed protocols and/or SOPs for reporting to NFP/WHO.	Expert in developing SOPs and Protocol to report to NFP/WHO

Technical Area	Activity Details	Technical Assistance Details
Workforce Development	**Prioritized Activities**	
	Training of FETP frontline from human, animal and environmental health	Resident advisor to coordinator trainings
	Hire a local consultant to develop the IHR/IDSR curriculum for incorporation into the Department of public health, (UTG) and Gambia College HND Program	Expert to develop IHR/IDSR Curriculum for UTG and Gambia College
	Other Activities	
	Conduct a situation analysis of the current workforce strategy for human, animal and environmental health in a view to incorporate them into the One Health public health workforce strategy	Conduct a 5 days workshop
	Review and validate the draft One Health public health workforce strategy	Conduct a 2 days workshop
	Develop TOR for the taskforce	Conduct a 5 days workshop
	Organize a donor conference to raise funds for the implementation of the workforce strategic plan	Organize a day's conference for all relevant donors
	Conduct quarterly review meetings on one health strategy	Conduct 3 days review meetings in a quarter
	Meeting to Advocate for budgetary allocation and funding from government for one health public health workforce strategy	Advocate with the relevant government sector to create a budget line
	To review the capacity requirements for a national rapid response team	Conduct a 2 days capacity review meeting
	Training of FETP intermediate from human, animal and environmental health	Resident advisor to coordinator trainings
	Training of FETP advance from human, animal and environmental health	Resident advisor to coordinator trainings
	Training of FETPV for animal health	Hire a consultant
	Short term trainings on human resources for mid-level managers for health	Development of curriculum and coordinate the trainings on human resources
	Hire a local consultant to develop the IHR/IDSR curriculum for incorporation into the Department of public health, (UTG)	Hiring a consultant to develop the curriculum

	Validation and launching of the curriculum developed	2 days validation workshop
	Train lecturers on the curriculum	Identify relevant Public Health workforce to be trained as tutors
	Technical working group to work with Public health Institution to incorporate the IDSR/IHR Curriculum into the institution curricula	A 5 days workshop with stakeholders to incorporate IDSR/IHR curriculum into the institutional curricula

Technical Area	Activity Details	Technical Assistance Details
Preparedness	Prioritized Activities	
	Organize a workshop to review and update the existing plan	International Consultant to review the recommendation of the JEE and update the existing plan
	Conduct functional simulation exercise to test one component of the plan at national level every two years	A National Consultant to test one component of the plan at national level every two years
	Conduct full scale simulation exercise to test the plan every three years (Select a Hazard and test the plan)	A National Consultant to conduct simulation exercise
	Other Activities	
	Conduct validation workshop on the updated plan	National Consultant to conduct validation workshop on the updated plan
	Conduct tabletop simulation exercise to test the plan at national level yearly	A National Consultant to test plan at national level yearly
	Training of trainers of National RRTs on emergency preparedness and response operations	The International Consultant to facilitate the training of TOTs
	Surge staff capacity mapping for public health emergency	An International Consultant to conduct the mapping for public emergency
	Develop SOPs for coordination between Disaster Management Committees and PHEOC	A National Consultant to develop SOPs
	Capacity building on the operationalization of the EOC on Incident Management System (IMS)	International Consultant on the operationalization of the EOC on IMS
	Recruit National consultant for resource mapping and development of resource mobilization strategy plan	National Consultant for resource mapping
	Conduct workshop to validate the resource mobilization strategic plan	National Consultant to conduct workshop

	Hire a local consultant to conduct GIS Mapping exercise of priority hazards	National Consultant to conduct GIS mapping
	Train participants on GIS mapping	National Consultant to train participants

Technical Area	Activity Details		Technical Assistance Details
Linking Public Health and Security Authorities	**Prioritized Activities**		
	Develop MOUs and share with relevant security units		Local consultant
	Develop guidelines (TOR and SOP) for Focal and Contact Persons of various security agencies		Local consultant
	Conduct a national consultative meeting with stakeholders to review and validate the MOU		Local consultant
	Conduct training on guidelines for focal and contact points		Local consultant
	Conduct stakeholder consultative meeting to discuss Involvement of public health experts in emergency preparedness and response linked to the Biological and Toxic Weapons Conventions.		Consultant on Biological and Toxic Weapons Conventions
	Other Activities		
	Conduct a national consultative meeting with stakeholders to review and validate the TOR and SOP		Local consultant
	Conduct training on the implementation of IHR		Local Consultant for the MOJ
	TOT on Safety and Security in emergency response		Local Consultant
	Stepdown training on Safety and Security in emergency response		Local Consultant

Technical Area	Activity Details		Technical Assistance Details
Medical Countermeasures	**Prioritized Activities**		
	Conduct a Workshop with stakeholders for development of the regulatory framework for medical countermeasures		International Consultant to develop regulatory framework on medical countermeasures
	Review and validate the draft legal and regulatory framework with the consultant		For the review of the draft regulatory framework
	Incorporate stakeholders to develop a national plan for sending , receiving, stockpiling, drugs medical supplies and equipment for medical countermeasures		International Consultant to develop national plan medical countermeasures
	Review and validate the draft national plan with stakeholders		International Consultant to review and validate the plan

	Conduct table top simulation exercise for medical countermeasures	National Consultant to develop scenarios and injects
	Other Activities	
	To conduct baseline capacity assessment for stock piling and deploying medical countermeasures with all stakeholders country wide	Local Consultant
	Conduct workshop for the development of SOPs, technical guidelines and toolkits for sending/receiving drugs, medical supplies and equipment	Local Consultant
	Conduct a workshop to develop communication materials	Local Consultant to lead the development of communication materials
	Conduct trainings and educational information to inform staff, the community and stakeholders.	National Consultant to train stakeholders, staff, community
	Draft a law to amend the various professional council Acts with respect to deploying health professionals during public health emergencies	National Consultant to lead a professional consultative process among the various professional councils

Technical Area	Activity Details	Technical Assistance Details
Risk Communication	**Prioritized Activities**	
	Develop a TOR for the consultancy and Hire a consultant to develop risk communication policy	International Consultant to guide the development of risk communication policy
	Develop TOR for the consultancy and Hire a international consultant to develop a national multihazard multisectoral RC plan	International Consultant to develop a national multihazard multisectoral risk communication plan
	Validate the draft national multihazard multisectoral risk communication plan	No details provided
	Hire a consultant to develop a communication engagement Strategy	International Consultant to develop a communication engagement strategy
	Review and validate the communication engagement Strategy	International Consultant to review and validate the communication engagement strategy
	Other Activities	
	Recruit a local consultant	National Consultant

	Train supervisors and data collectors	National Consultant to provide training of supervisors and data collectors
	Analysis and report writing	National Consultant to do analysis and report writing of the KAP study
	Presentation and validation of KAP study	National Consultant to do the presentation and validation of KAP study
	Develop TOR for focal points for training on community engagement at the national and subnational levels.	A national consultant to lead the development of the TOR for the training on community engagement at the national and subnational levels
	Conduct TOT on community engagement and risk communication	A National Consultant to conduct TOT on community engagement and risk communication

Technical Area	Activity Details	Technical Assistance Details
Points of Entry (PoEs)	**Prioritized Activities**	
	Hire a local consultants to develop a national policy for POEs	5-days retreat
	Hire International consultant to develop a national strategic Plan for PoEs	5-days workshop with the technical staff
	Construction of PoEs structures	Expertise required to guide the whole process
	Other Activities	
	Conduct stakeholder workshop to review and Validate the National POEs Strategic plan	5-days workshop with stakeholders
	Stakeholders meeting to develop a draft contingency plan for the Seaport and ground crossing	5-days workshop
	Conduct stakeholder workshop to review and Validate the contingency plan for the Seaport and Ground crossing	2-days workshop
	Rehabilitation/refurbishment of old POE structures	Expertise required to guide the whole process

Technical Area	Activity Details	Technical Assistance Details
	Prioritized Activities	

Chemical Events	Hire international consultant and 3 Technical person to assess existing capacity and develop a national chemical risk profile	No details provided
	Procurement of laboratory equipment and consumables to upgrade NEA's quality control laboratory and the National Public health laboratory to be able to test for chemical poisoning and contaminations of human and environmental samples (Equipment and refurbishment of existing premises)	Technical support for procurement of laboratory equipment
	Conduct step-down training of laboratory staff on detection of chemical poisoning samples	International consultant to conduct TOT on chemical poison sampling detection
	Other Activities	
	Develop protocol, guideline and SOPs for chemical poisoning cases, information gather and reporting.	International consultant to develop guidelines and SOPs for chemical poisoning and reporting
	Training of trainers on the SOPs and guidelines to management and report poisoning cases and centers	International consultant to conduct TOT on SOPs and Guidelines on poisoning case management and reporting.
	Provide equipment and materials for the operation of the poison centers	Financial support from world Bank and technical support from FAO

Technical Area	Activity Details	Technical Assistance Details
Radiation Emergencies	Prioritized Activities	
	Hire 1-International consultant + 3resource person to assess existing Capacities and develop a radiological and nuclear strategic Plan on Radiological Nuclear Emergencies	International consultant to access existing capacities and develop a radiological and nuclear strategic plan
	Procurement of laboratory equipment and consumables to upgrade NEA's quality control laboratory and the National Public health laboratory to be able to test for chemical poisoning and contaminations of human and environmental samples (Equipment and refurbishment of existing premises)	International consultant to led the consultative meeting
	Conduct step-down training of laboratory staff on detection of chemical poisoning samples	International consultant to conduct TOT on chemical poison sampling detection

	Hire consultant to develop policy for preparedness and response to radiation nuclear emergencies	International consultant to develop radiation and nuclear emergencies Policy
	Other Activities	
	Consultative meeting with stakeholders on the draft strategic plan on the radiological and Nuclear emergencies	International consultant to develop guidelines and SOPs for chemical poisoning and reporting
	Validation of Draft National strategic plan on radiological and nuclear emergencies	International consultant to led Validation meeting
	Hiring a consultant to develop SOPs for coordination, communication and training of Trainers	International consultant to develop SOPs for coordination, communication and training
	Review and Validate SOPs	International consultant to led Validation meeting
	Training of trainers on SOPs	International consultant to conduct TOT on SOPs
	Review and Validate the draft policy	International consultant to led finalization of the radiation and nuclear emergency Policy
	Hire consultant to develop strategic plan for preparedness and response to radiation nuclear emergencies	International consultant to develop strategic plan for radiation and nuclear emergencies
	Review and Validate the draft strategic plan	International consultant to led the finalization of radiation and nuclear strategic plan
	Procure detection devices dosimeters, identiFINDERS, radiation monitoring equipment for Alpha, Beta Gamma-rays and X-rays	International consultant to provide technical assistant on purchasing of radio nuclear detecting devices
	Hire a consultant to build the capacity of staff, to assess, identify and monitor exposures	International consultant to conduct TOT on how to detect and monitor exposure

Annex 2: Meeting in photos:

Annex 3: Workshop Agenda

Time	Programme Description
8.30 – 9.00	**Registration and welcome coffee**

Time	Programme Description
9.00 – 9.30	**Opening remarks and introduction of the participants:** • **Opening remarks by MoH and WHO** • **Objectives of the workshop** • **Introduction of the participants**
9.30 – 10.15	**Introduction of Resource Mapping Tool** **Moderator: MOH** **Presenters:** • **WHO** • **Q&A**
10.15 – 10.30	**Coffee and Tea Break with Group Picture**
10.30 – 12.30	**Group Work** *Workshop participants will be divided up into four groups (Prevent, Detect, Respond and Other IHR) based on their expertise. The participants, with the aid of a facilitator and a rapporteur, will complete the heath security activities data input sheets identifying the status of implementation of NAPHS activities, partner and government financial contributions to the NAPHS activities, and needs for technical assistance* **Moderator: WHO** **PREVENT** • National legislation, policy and financing • IHR coordination, communication and advocacy • Antimicrobial resistance • Zoonotic disease • Food safety • Biosafety and biosecurity • Immunization **Facilitator: tbc** **Rapporteur: tbc**

Time	Programme Description
	DETECT • National Laboratory System • Real Time Surveillance • Reporting • Human Resources **Facilitator: tbc** **Rapporteur: tbc**
	RESPOND • Emergency preparedness • Emergency response operations • Linking public health and security authorities • Medical countermeasures • personnel deployment • Risk communication **Facilitator: tbc** **Rapporteur: tbc**
	Other IHR all Hazard capacity • Points of Entry • Chemical Events • Radiation Emergencies **Facilitator: tbc** **Rapporteur: tbc**
12.30 – 13.15	**Lunch**
13.15 – 15.15	**Group Work Continued**
15.15 – 16.45	**Coffee and Tea Break**
16.45 – 17.00	**Wrap up of the day** • **Taking stock of progress of each group** • **Programme of next day**
End of Day 1

Time	Programme Description
09.00 – 10.45	**Group Work Continued** *Workshop participants will continue on Day 2 working in the four groups (Prevent, Detect, Respond and Other IHR). The participants, with the aid of a facilitator and a rapporteur, will complete the resource mapping data input sheets identifying partner and government contributions to health security activities at national and sub national level in each of the technical areas (Financial, Technical Assistance and in-kind contribution).*
10.45 – 11.00	**Coffee and Tea Break**
11.00 – 12.30	**Group Work Continued**
12.30 – 13.15	**Lunch**
13.15 – 15.00	**Group Work Continued**
15.00 – 15.15	**Coffee and Tea Break**
15.15 – 16.45	**Group Work Continued**
16.45 – 17.00	**Wrap up of the day** • **Taking stock of progress of each group** • **Programme of next day**
End of Day 2	

Time	Programme Description
09.30-10.30	The four working groups (Prevent, Detect, Respond and Other IHR) will finalize any unfinished work on documenting and validating health security activities and investments in the country Facilitators of each of the working groups will present and discuss the results of their work
10:30 – 10:45	**Coffee and Tea Break**

Time	Programme Description
10.45 – 11.15	**Presentation of the Resource Mapping Dashboard and Discussion of Next Steps** WHO will present the Resource Mapping Dashboard for the country based on the results of the group work. The dashboard visualizes the alignment of resources with the prioritized activities identified in the National Action Plan for Health Security (NAPHS) Q and A **Presenter:** **WHO**
11.15 – 11.45	**Plenary Discussion and Donor Coordination Forum** Government and partner representatives are invited to discuss the results of the resource mapping and how to best collaborate moving forward for the implementation of NAPHS **Chair: MoH**
11:45 – 12.00	**Closing Remarks** **Moderator: MoH** **Presenters:** • **Partner Representative** • **WHO Representative** • **Government Representative**
12.00-13.00	Lunch
	End of WORKSHOP