

REPORT

Regional Training and Workshop on the WHO Costing and Budgeting Tool for Antimicrobial Resistance National Action Plans.

**03 – 14 July 2023
Brazzaville, Congo.**

AMR Unit, Assistant Regional Director (ARD) Cluster

WHO Regional Office for Africa - Brazzaville, Congo.



EXECUTIVE SUMMARY

The training and workshop aimed to accelerate the implementation of National Action Plans on Antimicrobial Resistance (AMR NAPs) under the "One Health approach" by prioritizing, costing, and budgeting using the standardized WHO Costing and Budgeting Tool. Additionally, it sought to establish a pool of regional experts in the WHO African region equipped with the skills and knowledge to utilize the Tool, as part of the effort to expand multidisciplinary rosters on AMR.

The event was structured into three phases: Phase I consisted of a two-day Refresher training of trainers led by Master Trainers from WHO Headquarters (WHO HQ) and WHO Regional Office for Africa (WHO AFRO); Phase II involved a three-day multi-country training led by Regional TOTs for participants from six countries, with on-site support from WHO Master Trainers; and Phase III entailed a five-day workshop where countries costed their operational plans with support from Regional TOTs and remote assistance from WHO HQ in collaboration with WHO AFRO. The six countries selected had recently developed their AMR National Action Plans or AMR Surveillance strategies requiring costing, namely **Burundi, Central African Republic, Comoros, Equatorial Guinea, Sao Tome and Principe, and Rwanda**. Fifty-one participants were in attendance.

Key outcomes of the event included: (i) Prioritized operational plans from the six participating countries, costed by their respective multisectoral teams to bolster advocacy, resource mobilization, implementation, and monitoring, while considering existing national plans/budgets from related programs; (ii) Twelve out of 47 WHO AFRO countries, representing 26%, have now utilized the WHO standardized costing tool, marking a significant milestone towards assessing financial requirements for the region and developing investment cases to address AMR; (iii) WHO AFRO now boasts a pool of 18 regional experts and 125 trained professionals equipped with skills in using the WHO Costing and Budgeting Tool, facilitating a timely response to the needs of the Region. These experts represent various sectors including human, animal, environmental health, and agriculture, hailing from English, French, and Portuguese-speaking countries in the Region.

This report provides an overview of the background, objectives, expected outcomes, and methodology of the training and workshop. Additionally, it outlines the profiles of participants, details the proceedings, and outlines the next steps.



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INTRODUCTION

BACKGROUND:

Antimicrobial resistance (AMR) is one of the top public health issues threatening the achievement of targets (e.g., the Sustainable Development Goals [SDGs] or specific indicators in prioritized areas, such as food security, tuberculosis, HIV, malaria, and sexual and reproductive health and rights). Addressing AMR is also a key component of global health security, requiring a coordinated global and regional response to preserve the effectiveness of antimicrobials. Following endorsement of the WHO Global Action Plan on AMR in 2015, Member States committed to developing AMR national action plans (NAPs) to guide AMR response, in the One Health approach, accounting for national, regional, and global priorities. In the WHO African Region, all 47 Member States have developed multi-sectoral NAPs as of 2024.

Effective and sustainable implementation of National Action Plans (NAPs) for addressing antimicrobial resistance (AMR) necessitates the costing and budgeting of plans, a crucial step in ensuring that key interventions are prioritized, practical, and realistic. However, in many cases, AMR NAPs remain aspirational and are not integrated with other national plans or budgets. Having a costed NAP is imperative as it provides decision-makers with insights into the costs of activities, what is funded, identifies funding gaps, and enables the leveraging of additional resources. In response to this need, WHO launched a practical Costing and Budgeting Tool for AMR NAPs in 2021 to aid countries in costing and budgeting prioritized activities aligned with the strategic objectives of the Global Action Plan on AMR. This tool is pragmatic, modular, and user-friendly, adaptable to the specific needs of countries. It facilitates the calculation and visualization of detailed costs for prioritized activities, enabling various sectors and ministries to utilize the tool and consolidate it into a single costed national plan.

A dedicated training session was conducted to enhance national capacity and equip participants with the knowledge to comprehend and effectively utilize the key features of the Tool. Following this, the AMR Team/Assistant Regional Director Cluster at the WHO Regional Office for Africa, in collaboration with the WHO HQ AMR Unit, trained a cadre of 18 Trainers of Trainers (TOTs) to facilitate the implementation of the tool in the region. As of June 2023, five countries—Kenya, The Gambia, Sierra Leone, Tanzania, and Zimbabwe—had successfully utilized the tool to cost their first AMR National Action Plan (NAP 1.0) or updated their previous AMR NAP (1.0) to the latest version, now known as AMR NAP (NAP 2.0). Some of these countries also shared their experiences in global webinars.

To continue supporting Member States in costing their plans, the AMR Team organized a regional training and workshop on the WHO Costing and Budgeting for AMR NAPs for AMR Focal Persons from WHO country offices (WCO) and national multisectoral Technical Working Groups of six countries (Burundi, Equatorial Guinea, Comoros, Central African Republic, Rwanda, Sao Tome and Principe) representing human, animal, environmental health and agriculture sectors. These countries recently developed their AMR NAPs or surveillance strategies or were in the process of doing so; hence, needed to cost the activities outlined in the operational plans.

The AMR Team collaborated with the AFRO Emergency Preparedness and Response (EPR) Cluster, with representation from a member of the EPR Team who was trained as a Regional TOT and is now equipped to deliver trainings on costing AMR NAPs and other related plans and strategies. Additionally, the EPR cluster also contributed funding that was utilized during the workshop. This collaboration underscores efforts in implementing the AMR Workstream operational plan and bolstering endeavors to enhance global health security in the Region.

General objective:

The general objective of the training and workshop was to contribute to expediting the implementation and monitoring of One Health AMR NAPs through prioritization, costing, and budgeting using a standardized WHO tool.

Specific objectives:

- To enable participants to understand the key components and functionality of the WHO Costing and Budgeting Tool for AMR NAPs.
- To equip participants with the necessary knowledge and skills to correctly enter information into the tool and generate graphs and tables for summarizing data
- To assist participants in developing proficiency in utilizing the WHO AMR Consolidator tool during costing and budgeting exercises.
- To enable participants to use the tool for costing national operational plans on AMR.
- To understand training approaches and materials to conduct future trainings on the use of the tool.

Expected outcomes:

- Countries will be able to cost priority interventions and activities outlined in their AMR NAPs to bolster advocacy, fundraising, implementation, and monitoring.
- Countries will achieve better alignment of their AMR plans with other existing national plans and budgets.
- Expansion of the pool of regional experts equipped with AMR NAP costing skills to enable timely responses to the Region's needs.

Methodology summary:

This was a two-week activity held at the WHO Regional Office for Africa in Brazzaville, Congo from the 3rd – 14th July 2023. It was conducted in a phase-based approach, which included: (1) Two days Refresher Training of Trainers (ToT) by Master Trainers of the WHO Headquarters (WHO HQ), 3-4th July; (2) three days of training six countries by regional trainers with on-site support of WHO Master Trainers, 5-7 July; and (3) Five days costing of country plans, with support from AFR regional TOTs and WHO HQ, 10-14 July.

Interpretation was available in English, French and Portuguese. Detailed information about each phase, including the format, tools, and materials, can be found in the subsequent chapter of the report titled "Proceedings".

Participants:

51 participants attended the regional training and workshop, comprising:

- Three (3) Master Trainers from WHO HQ/AMR Division
- Three (3) Master Trainers from WHO AFRO AMR unit/ARD Cluster.
- Nineteen (15) Regional TOTs:
 - One (1) representing WHO/AFRO Emergency Preparedness and Response (EPR) Cluster
 - Five (4) AMR Focal Persons from FAO-1, WOA-2, ReAct Africa-1 (UNEP was invited but could not be represented).
 - Ten (10) Regional Trainers from 8 countries i.e., Burkina Faso, Cameroon, Comoros, Congo, Guinea, Mali, Mauritania, and Senegal.
- Twenty-eight (28) participants
 - Twenty-three (23) National AMR Focal Persons from 6 countries (Burundi, Central Africa Republic, Comoros, Equatorial Guinea, Sao Tome and Principe, Rwanda,)
 - Five (5) AMR Focal Persons from WHO Country Offices from Burundi, Central Africa Republic, Comoros, Sao Tome and Principe, and Rwanda.
- Africa CDC attended Phase III of the workshop.

A detailed list of participants and information on attendance for each of the three phases is highlighted in the annex.

PROCEEDINGS

PHASE I: 3-4th JULY 2023

REFRESHER FOR REGIONAL TRAINERS



The initial phase comprised a two-day refresher training for the cohort of 18 Regional Trainer of Trainers (TOTs). This session was facilitated by a team of three Master Trainers from WHO Headquarters and three from WHO AFRO. Participants included TOTs from Burkina Faso, Cameroon, Comoros, Congo, Guinea, Mali, Mauritania, Senegal, alongside four representatives from partner organizations such as FAO, WOA, and ReAct Africa.



The training kicked off with the administration of a pre-training survey. The Master Trainers covered all eight modules on the first day, including the Overview of the tool, NAP Entry Tab, Basic Inputs for Tool Tab, Costing Matrix Tabs, Funding Sources Dashboards, General Elements and Notes, and Consolidator Tool. The training was highly interactive, incorporating presentations, group and individual exercises, and discussion sessions led by the Master Trainers. Each module was introduced with a PowerPoint presentation, followed by a tool demonstration. Subsequently, each participant had the opportunity to practice the functionalities of the respective module through guided exercises. The design of the refresher session prioritized minimal time spent on didactic presentations, instead focusing on demonstrations, practice exercises, and plenary sessions. This approach aimed to ensure that TOTs felt confident in navigating all components of the tool.



The second day was dedicated to preparing the Regional TOTs for delivering the multi-country training. Master Trainers and Regional TOTs engaged in discussions covering three main areas: (i) The process for organizing trainings in countries, including preparation of training packages, surveys, dissemination of computer requirements, and other logistics; (ii) Training delivery, focusing on addressing challenges observed during previous trainings and sharing lessons learned and useful tips; (iii) Post-training planning, discussing how to guide countries on follow-up actions after the training and costing of plans. This session also provided an opportunity for TOTs to seek clarification on any concerns.

Finally, the Regional TOTs were assigned specific modules to deliver or exercises to facilitate during the multi-country training (Phase II of the workshop). Overall, the first phase of the training provided TOTs with a refresher on the tool. Master Trainers emphasized the value of the WHO Costing and Budgeting Tool website, highlighting available approaches, resources, and materials for trainees to utilize in supporting countries. Regional TOTs were also encouraged to leverage available networks, share experiences, and learn from lessons. The Regional TOTs expressed readiness to lead the multi-country training, a sentiment echoed by the Master Trainers, thus confirming the achievement of Phase I objectives.



Phase I: Refresher training for the Regional TOTs led by the Master Trainers, 3-4 July 2023

PHASE II: 5-7th July 2023 MULTI-COUNTRY TRAINING OF SIX COUNTRIES

The official opening ceremony took place on July 5th, 2023, with the presence of all participants, including regional trainers, partners, WHO HQ master trainers, and national AMR focal persons from six countries. Dr. Laetitia Gahimbare, Technical Officer at WHO AFRO, officially inaugurated the training on behalf of the AMR Unit Team Lead of the WHO Regional Office for Africa. In her welcoming and opening remarks, Dr. Gahimbare underscored WHO AFRO's support to Member States in developing AMR National Action Plans (NAPs), which encompass prioritization, costing, budgeting, and implementation under the One Health approach. She highlighted that six countries had successfully utilized the Tool to cost their AMR NAP 1.0 or NAP 2.0, with some sharing their experiences with other WHO regions. This underscored the significance of the Tool and the commitment of countries in combating AMR. Dr. Gahimbare concluded by reaffirming WHO AFRO's commitment to collaborating with all relevant stakeholders and partners in the implementation and monitoring of AMR NAPs.

Partners present at the event included FAO, WOAHA, and React Africa, who, during their keynote addresses, commended the efforts of the WHO Regional Office for Africa in convening this significant activity with all relevant AMR stakeholders. Emphasizing their commitment to promoting the implementation of the global action plan on AMR, they reiterated their commitment to support the implementation and monitoring of AMR NAPs under the One Health approach.



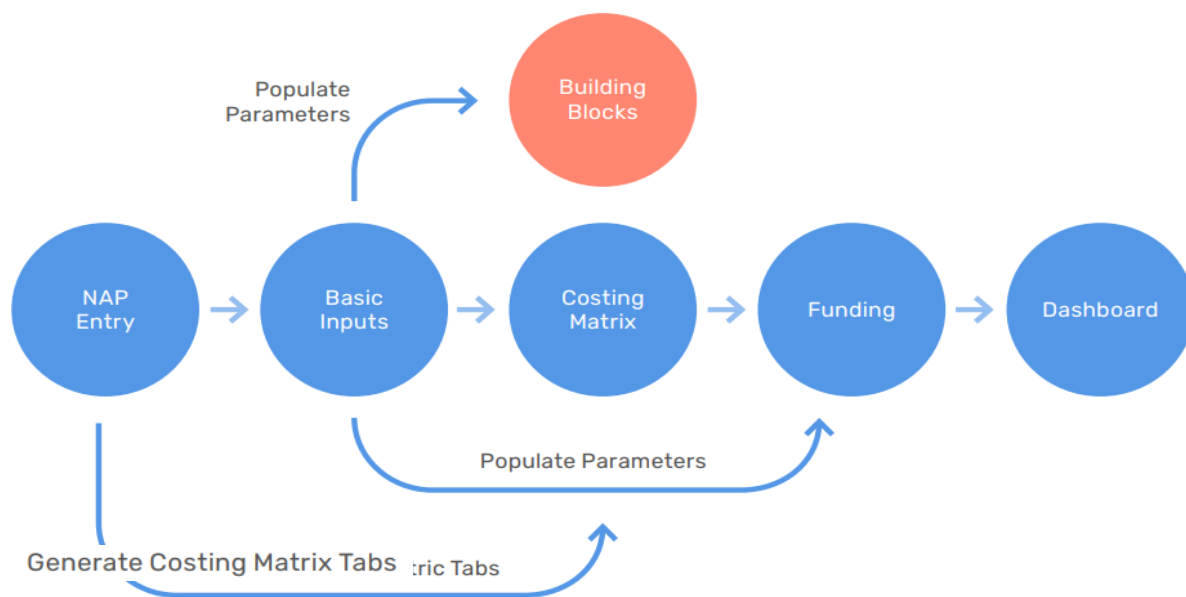
Opening ceremony for Phase II multi-country training, 5-7 July 2023



The second phase of the workshop engaged 28 AMR Focal Persons from national multisectoral working groups in six countries, encompassing representatives from the human, animal, environmental health, and agriculture sectors. Also in attendance were AMR Focal Persons from the respective WHO Country Offices, along with regional trainers. A detailed list of participants can be found in the annex.



The multi-country training was led and facilitated by the Regional TOTs, with Master Trainers serving as observers. Prior to the training, participants received training resources, including a user guide, a pre-training survey, and instructions for the software. The training followed a consistent format, with Regional TOTs delivering module presentations, followed by tool demonstrations and dedicated time for participants to practice through module exercises, discussions, and group activities. In addition to interactive presentations, participants were actively engaged through hands-on activities, with volunteers showcasing their work at the conclusion of each module exercise. This was followed by discussions and questions. The training covered eight modules, designed to provide comprehensive knowledge of the entire tool workflow, ensuring participants master the functions of each component.



NAP entry: The user specifies the NAP priorities, objectives and activities that were selected for costing.

Basic inputs: The user enters key parameters relevant to their country, including ministry/implementer names, funder names, implementation years and unit costs for various items.

Costing matrix: These tabs are automatically generated after NAP entry is completed and are used to insert sub-activities and to enter unit costs and units according to the implementation developed by the country prior to costing.

Funding (optional): The user enters existing funds from various sources/donors. This step is optional but recommended and can be completed at any time after NAP entry is complete.

Dashboards: The user can specify various cross-tabulations and levels of analysis to produce dashboards and visualize all data. The Dashboard tab summarizes cost data entered by the user. The Funding Dashboard tab combines cost and funding data (if funding data in Step 4 above have been entered) by the user.



A primary goal of the training of the six countries was to equip participants with the necessary knowledge and skills to utilize the Tool for their respective AMR NAPs, which was successfully accomplished. In addition to practical exercises within each module, the final day of the training featured a simulation exercise. During this exercise, participants utilized the Tool to cost their drafted operational plans and subsequently presented their work during the plenary session. At the conclusion of each training day, a debriefing session took place between the Regional TOTs and Master Trainers. These sessions aimed to identify areas for improvement and implement corrective actions to ensure the objectives of the training and workshop were met. After the conclusion of the multi-country training, participants began planning concrete steps towards the final phase, namely, the costing workshop. They engaged in activities such as collecting and reviewing necessary information for the costing of their plans (e.g., unit costs, exchange rates), assessing the proposed activities in their operational plans, and reaching out to colleagues for additional information and collaboration. Additionally, participants completed Training Evaluation Forms and were awarded WHO certificates for their participation in the training.



Phase II: Participants interacting with Regional TOTs and presenting their practice exercise during the multi-country training, 5-7 July 2023



Certificate ceremony, 7 July 2023

PHASE III: 10-14th July 2023 COSTING WORKSHOP



In the third and final phase of the workshop, the six countries undertook the actual costing of their operational plans using the Tool, with guidance and support from regional TOTs.



During this phase, each country independently costed their operational plans and reviewed their prioritized activities over the five days, utilizing the knowledge gained from the training. As previously mentioned, representatives from the human, animal, environmental, and agriculture sectors were present in each country, fostering multisectoral coordination and partnership from the planning stages. At the end of the week, a plenary session was held for countries to present their work and share their experiences. Throughout the training and costing exercises, participants received ample support from both the regional trainers and Master Trainers, including access to the AMR NAP HELDESK to troubleshoot any issues with the tool.



One of the primary outcomes of the workshop was the costing of prioritized activities from the AMR National Action Plans (NAPs) by the six countries, as part of the efforts aimed to bolster advocacy, resource mobilization, implementation, and monitoring initiatives.



Phase III: Costing of plans. From top left to bottom right is Comoros, Sao Tome and Principe, Equatorial Guinea, Central Africa Republic, Rwanda and Burundi, 10-14 July 2023

CLOSING CEREMONY

Dr. Laetitia Gahimbare concluded the training by expressing gratitude to all participants, regional trainers, partners, and WHO HQ for their active engagement. She congratulated the participants on their successful completion of the training and encouraged them to serve as ambassadors of the tool in their respective countries. Participants were also urged to leverage the support of the WHO African Regional Office and HQ for organizing and facilitating further trainings, as well as for the implementation and monitoring of their AMR NAPs.



Closing ceremony, 14 July 2023

CONCLUSION AND NEXT STEPS

The Regional Training and Workshop on the WHO Costing and Budgeting Tool for AMR NAPs was successfully conducted, providing participants with comprehensive knowledge and practical experience with the tool. This tool is designed to aid countries in costing and budgeting their prioritized activities. Beyond enhancing national and institutional capacities, the workshop served as a vital platform for countries to collaborate within a multisectoral One Health framework, prioritizing and costing their operational plans as pivotal steps toward implementation and monitoring. Following the workshop, participating countries now possess detailed budgets for their operational plans, along with the necessary tools and skills. Overall, the objectives were achieved.

Looking ahead, the AMR Unit at the WHO Regional Office for Africa will:

01

Continue supporting Member States in the review and validation of their final costed operational plans, utilizing assistance from the WHO AMR NAP HELPDESK.

02

Continue supporting Member States in advocating for the use of costed plans to facilitate resource mobilization efforts.

03

Develop Regional Trainers Profile to ensure prompt assistance for countries seeking capacity building in using the Tool for costing and budgeting of national plans. These profiles will also be featured on the AMR Community Exchange platform to enhance visibility.

04

Maintain collaboration with partners, including the Quadripartite partners, Africa CDC, and React Africa, to support the development/update, endorsement, implementation, and monitoring of AMR NAPs across member states.

ACKNOWLEDGEMENT

This report was developed by Dr. Laetitia Gahimbare, Technical Officer for AMR Surveillance & Laboratory Strengthening, Ambele Judith Mwamelo, AMR National Action Plans Consultant and Mr. Yidnekachew Degefaw, AMR National Action Plans Officer under the overall leadership of the AMR Team Lead, Dr Ali Ahmed Yahaya at the WHO Regional Office for Africa in Brazzaville, Congo. Gratitude is also expressed to the members of the AMR Unit and the Document Review Committee under the Assistance Regional Director Cluster for their contributions to this report. The AMR Unit extends special thanks to the Regional TOTs, as well as the WHO Headquarter Master Trainers (Alessandro Patriarchi, Paul Verboom, Zlatina Dobрева), and all participants from the six countries (Burundi, the Central African Republic, Comoros, Equatorial Guinea, Sao Tome and Principe, and Rwanda) alongside the AMR Focal Points from the respective WHO Country Offices, Partners in attendance, as well as administrative support team for their attendance and dedication to ensuring the success of the Regional Training and Workshop on the WHO Costing and Budgeting Tool.

Annex 1: Agenda

| Time (Brazzaville) | Time (est.) | Component | Module | Details |
|--------------------|-------------|----------------------------|--------|---|
| 09:30 | 15 min | Welcome and introductions | | Housing and checks |
| 09:45 | 15 min | Introduction and scope | | Introducing the scope of the WHO costing and budgeting tool |
| 10:00 | 20 min | Overview of the tool | 1 | Software requirements, Tool workflow Overall diagram, functionality and general overview |
| 10:20 | 20 min | NAP Entry Tab | 2 | Purpose and elements (required and optional) of the tab Example of a NAP outline and filled tab |
| 10:40 | 20 min | Basic Inputs for Tool Tab | 3 | Purpose and elements (required and optional) of the tabs Example of a NAP outline and filled tabs Interconnectedness of basic inputs tab on other tabs |
| 11:00 | 15 min | Q&A | | Facilitated discussion |
| Coffee/tea break | | | | |
| 11:30 | 20 min | NAP Entry Exercise | | Participants will practice how to enter inputs in the NAP Entry tab and generate costing matrixes tabs |
| 11:50 | 10 min | Exercise review | | Volunteer(s) to share screen and show result of exercise(s) |
| 12:00 | 45 min | Costing Matrix Tab | 4 | Purpose and elements of the tab Prove overview of building blocks Interactively show each building block and fill it out |
| 12:45 | 15 min | Q&A | | Facilitated discussion |
| Lunch break | | | | |
| 14:00 | 45 min | Costing Matrix Exercise | | Participants to enter several activities/implementation steps using building block forms in the tool |
| 14:45 | 15 | Exercise review | | Volunteer(s) to share screen and show result of exercise(s) |
| Coffee/tea break | | | | |
| 15:15 | 20 min | Funding Sources | 5 | Explain updates on the Basic Inputs for Tool tab required to initialize the tab Explain refresh button to initialize NAP table crosswalk Explain selection of the level for funding data entry Show completed example in a power point Interactively fill out part of the table in the tool |
| 15:35 | 20 min | Dashboards | 6 | Interactive explanation of Cost Dashboard and Funding Dashboard. |
| 15:55 | 15 min | General Elements and Notes | 7 | Explain navigation and spreadsheet action buttons Explain help buttons Interactively show the use of the navigation, action and help buttons Discuss general dos and don'ts |
| 16:10 | 30 min | Q&A | | Facilitated discussion |
| End of day 1 | | | | |

| Day 2 | | | | |
|--------------------|-------------|--|--------|--|
| Time (Brazzaville) | Time (est.) | Component | Module | Details |
| 09:30 | 5 min | Recap of day 1 | | Quick recap of day 1 |
| 09:35 | 90 min | Independent exercise | | Provide directions for the independent assignment to be completed by the participants before. Assignment includes a short case study and asks participants to enter information into the tool. |
| Coffee/tea break | | | | |
| 11:15 | 30 min | Review of independent exercise | | Volunteer(s) to share screen and show result of exercise Discussion and feedback on assignment |
| 11:45 | 30 min | Consolidator Tool | 8 | Purpose of the consolidator tool (referring back to the costing coordinator role discussion) Functionality of the consolidator tool Short exercise on using the module consolidator Differences in dashboards |
| 12:15 | 15 min | Q&A | | Facilitated discussion |
| Lunch break | | | | |
| 13:30 | 90 min | Module consolidator Exercise | | Simulation – group work – groups will be asked to work with modules to generate dashboards for consolidation |
| 15:00 | 45 min | Exercise review | | One volunteer act as lead costing coordinator to consolidate modules by using the consolidator tool |
| End of day 2 | | | | |
| Day 3 | | | | |
| Time (Brazzaville) | Time (est.) | Component | Module | Details |
| 09:30 | 5 min | Recap of day 2 | | Quick recap of day 2 |
| 09:35 | 60 min | Next steps towards costing and budgeting | | Moderated discussion on next steps |
| Coffee/tea break | | | | |
| 11:00 | 60 min | Practicing the tool | | Participants will be asked to practice use of the tool with real activities |
| 12:00 | 30 min | Q&A | | Facilitated discussion |
| 11:30 | 15 min | Closing, group photo | | Certificate ceremony |
| End of day 2 | | | | |

Equipment/materials: audio-visual, laptops for each participant, training materials pre-loaded on each laptop, instructions sent prior the training.

Annex 2: Participants list

| S. N | Name | Country | Participation |
|------|--|------------------------------|-------------------|
| 1 | VERBOOM, PAUL - Master Trainer | WHO HQ | Phase I & II |
| 2 | DOBREVA ZLATINA - Master Trainer | WHO HQ | Phase I & II |
| 3 | PATRIARCHI ALESSANDRO - Master Trainer | WHO HQ | Phase I & II |
| 4 | MILLIMOUNO, JACQUESTAMBA - Regional TOT | GUINEA | Phase I & II |
| 5 | Dr. DIALLO, KADIATOU - Regional TOT | GUINEA | Phase I & II |
| 6 | TIWODA, CHRISTIE - Regional TOT | CAMEROON | Phase I & II |
| 7 | DIAKITE, MOHAMED LEMINE - Regional TOT | MAURITANIA | Phase I & II |
| 8 | NKOUA GOMA, CYNTHIA (Prof.) - Regional TOT | CONGO | Phase I & II |
| 9 | BONKOUNGOU, SIMPLICE E. - Regional TOT | BURKINA FASO | Phase I, II & III |
| 10 | Dr. SAGNO, MICHEL - Regional TOT | GUINEA | Phase I, II & III |
| 11 | GUINDO, IBREHIMA (Prof.) - Regional TOT | MALI | Phase I, II & III |
| 12 | Dr. DIOUF, ABYTALIB - Regional TOT | SENEGAL | Phase I, II & III |
| 13 | ALI, MOHAMED AHMED - Regional TOT | WHO COMOROS | Phase I, II & III |
| 14 | Dr. BILOUNGA NDONGO CHANCELINE - Regional TOT | CAMEROON | Phase I, II & III |
| 15 | Dr MOULATY MOULAYE - Regional TOT | WHO AFRO | Phase I, II & III |
| 16 | GAHIMBARE, LAETITIA - Regional TOT | WHO AFRO | Phase I, II & III |
| 17 | MWAMELO, AMBELE JUDITH - Regional TOT | WHO AFRO | Phase I, II & III |
| 18 | MAZENGIYA, YIDNEKACHEW DEGEFAW - Regional TOT | WHO AFRO | Phase I, II & III |
| 19 | Dr. ALANE ANDRELINO RIBEIRO | WHO SAO TOME AND PRINCIPE | Phase II & III |
| 20 | Dr. NEURICE DOS RAMOS SECA FERREIRA NETO | SAO TOME AND PRINCIPE | Phase II & III |
| 21 | Dr. ALFREDO DE SOUSA PONTES RODRIGUES DA MATA | SAO TOME AND PRINCIPE | Phase II & III |
| 22 | LUSIBETTY EUSÉBIO ESPÍRITO SANTOS TRIGUEIROS | SAO TOME AND PRINCIPE | Phase II & III |
| 23 | CONSTANTINA DE CASTRO OLIVEIRA | SAO TOME AND PRINCIPE | Phase II & III |
| 24 | Dr. MBOLIYOU TONDONGBA MARIE THÉRÈSE | CENTRAL AFRICAN REPUBLIC | Phase II & III |
| 25 | Dr. GBIPPA NAMKOISSE NAZI TESTILLA | CENTRAL AFRICAN REPUBLIC | Phase II & III |
| 26 | PANDA GBIANIMBI AXEL STÈVE | CENTRAL AFRICAN REPUBLIC | Phase II & III |
| 27 | Dr. KONGBELET ZINGAS NEE MBERYO YAAH FLORENTINE SYLVIE | WHO CENTRAL AFRICAN REPUBLIC | Phase II & III |
| 28 | BAMBOO DAKPETOMA BERNARD | CENTRAL AFRICAN REPUBLIC | Phase II & III |
| 29 | JOANA BOKOBO SEBBE | EQUATORIAL GUINEA | Phase II & III |
| 30 | Dr. CONSUELO ONDO EFUA | EQUATORIAL GUINEA | Phase II & III |
| 31 | ANTONIO NTUTUMU EFUA | EQUATORIAL GUINEA | Phase II & III |
| 32 | PABLO NDJENG MBA | EQUATORIAL GUINEA | Phase II & III |

| | | | |
|----|-------------------------------|----------------------|----------------|
| 33 | Dr. MSA MLIVA AHAMADA | WHO COMOROS | Phase II & III |
| 34 | Dr. TADJIDDINEYOUSSOUF | COMOROS | Phase II & III |
| 35 | Dr. MOUTRAFI YOUSSOUF OUSSENI | COMOROS | Phase II & III |
| 36 | AMBOUKARIYA HOUSSENI | COMOROS | Phase II & III |
| 37 | SAADIA SAID IBRAHIM | COMOROS | Phase II & III |
| 38 | Dr TUYISENGE STELLA | WHO RWANDA | Phase II & III |
| 39 | MISBAH GASHEGU | RWANDA | Phase II & III |
| 40 | EDOUARD JOSE MUNYANGAJU | RWANDA | Phase II & III |
| 41 | ALINE UWIMANA | RWANDA | Phase II & III |
| 42 | DR ALEXIS NIYOMWUNGERE | WHO BURUNDI | Phase II & III |
| 43 | JOSELYNE RABUHORE | BURUNDI | Phase II & III |
| 44 | Dr. Ph HABONIMANA RÉMY | BURUNDI | Phase II & III |
| 45 | Dr NZOYIKORERANÉHÉMIE | BURUNDI | Phase II & III |
| 46 | Dr NONERA JEAN MARIE | BURUNDI | Phase II & III |
| 47 | Dr. LWOYERO, JANE | WOAH, founded as OIE | Phase I & II |
| 48 | Dr VOUMBA, PASSORET | WOAH, founded as OIE | Phase I & II |
| 49 | MR BIAOU, CYPRIEN | FAO | Phase I & II |
| 50 | NYAMAPICHITU, JULIAN | REACT AFRICA | Phase I & II |
| 51 | FOWZIA MOHAMMED | Africa CDC | Phase III |

Annex 3: [Participants experiences](#)

Annex 4: [Online pre-training survey](#)

Annex 5: Evaluation form



Training Evaluation Form

| Instructions: Please tick your level of agreement with the statements listed below | Strongly Agree | Agree | Disagree | Strongly Disagree | Not relevant to this event |
|---|----------------|-------|----------|-------------------|----------------------------|
| The objectives of the training were fully met | | | | | |
| The trainers were engaging | | | | | |
| The presentation materials were clear and relevant | | | | | |
| The exercises were helpful and relevant | | | | | |
| The content of the course was organised and easy to follow | | | | | |
| The trainers were well prepared and able to answer any questions | | | | | |
| The course length was appropriate | | | | | |
| The pace of the course was appropriate to the content and attendees | | | | | |
| I have acquired knowledge on how to cost and budget an operational plan | | | | | |
| The WHO costing and budgeting tool for NAPs on AMR will be useful to generate a costed plan | | | | | |

Do you have any suggestion on how to the training can be improved?

THANK YOU FOR COMPLETING THIS EVALUATION FORM. FEEDBACK RECEIVED WILL BE USED TO PROVIDE IMPROVEMENTS TO FUTURE TRAININGS.

EVALUATION FORMS SHOULD BE RETURNED TO THE TRAINERS AT THE END OF THE EVENT. ALTERNATIVELY FORMS CAN BE SUBMITTED TO:

Contact: AMRNAP-HELPDESK@who.int

Register to our community at <https://amrcommunityexchange.org>



Correspondence regarding this report may be directed to:

Dr. Ali Ahmed Yahaya, Team Lead AMR/ARD/AFRO (aliahmedy@who.int), Dr. Laetitia Gahimbare, AMR Technical Officer for Surveillance, Evidence, and Laboratory Strengthening (gahimbarel@who.int), in addition to Yidnekachew Degefaw Mazengiya, AMR NAPs Officer and Ambele Judith Mwamelo, Consultant.

