

AU-PANVAC: Key Intervention Areas

Dr Charles BODJO

Nairobi (Kenya), 24 Nov. 2024



KEYS INTERVENTION AREAS



☐ Vaccine Production & Quality

☐ Facilitate the Regulation on Vet. Products

☐ Diagnostics Production





AU-PANVAC 20th Anniversary: 2004 - 2024





The 20th anniversary was an opportunity to **REVIEW AU-PANVAC ACHIEVEMENTS.**





SUPPORT IN VACCINE PRODUCTION



Enhance the production of vaccines against some priority animal diseases in Africa:

- > CBPP vaccine
- > PPR thermotolerant (TT) vaccines
 - ✓ Standards for evaluation of PPR thermotolerance vaccine (developed by PANVAC).
 - ✓ Need to facilitate/support the transfer of PPR TT to manufacturers (GALVmed support needed)





VACCINE QUALITY & STANDARDIZATION



Strengthen quality and consistency of vaccines produced in Africa:AU-PANVAC repository

- > Support Characterisation, efficacy and safety of vaccines seeds
 - ✓ Capripox viruses
 - ✓ CamelPox Vaccine
 - ✓ RVF Vaccine SB
- ➤ Re-evaluate the efficacy and safety vaccine seeds





VACCINE & POST-VACCINATION MONITORING



Develop a process to ensure the efficacy, safety, and quality of vaccines remain after production, distribution and use in the field.

- **➤** Cold chain monitoring system
- ➤ Post-vaccination monitoring for vaccine efficacy (sero-monitoring) and reporting system to identify reactions after immunization





REGULATION ON VET. PRODUCTS



Recall of Abuja Meeting: Harmonization of Standards for Registration of Veterinary Vaccines and Certification of Manufacturing Facilities in Africa (objective)

- ➤ Use the "Guideline on the Technical Documentation Required in the Dossier for Registration of Immunological Veterinary Product" developed for vaccine registration for the EAC as a <u>TEMPLATE</u>
- Support the "Establishment of a Network of African Regulatory Authorities" to exchange information and for capacity building on the harmonisation process
- ➤ AU-PANVAC in collaboration with NRAs and RECs to initiate the "Development of a Harmonised Guideline for Audit and Certification of vaccine manufacturers".
- □ Adopted by the 5th Ordinary Session of the STC-ARDWE (Nov. 2024) and subsequently Endorsed by the Executive Council 44th Ordinary Session (AU Summit 2024): **Decision EX.CL/Dec.1234(XLIV)**





IMPLEMENTATION OF RECOMMENDATION ABUJA Agend MEETING 200

- □ Socialisation and implementation of the Guideline for Registration of PPR vaccine: **Translation in AU Languages for validation**
- ☐ Development of Continental Guidelines:
 - ➤ Good practices for production and quality control of veterinary vaccines in Africa (AfGMP)
 - Audit and Certification of Vaccine Manufacturers
- ☐ Establishment of the **Network of African Regulatory Authorities**
 - Capacity building
 - Mutual Recognition Procedure (MRP) for vaccine registration





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RP Continental Vaccine Reserve



☐ Inaugurated on 31 January 2018 by Chairperson of the AUC, H.E Moussa Faki Mahama





- ☐ 2 RP Vaccine Reserve in World: **AU-PANVAC (Ethiopia) & NIAH (Japan)**
 - AU-PANVAC hold the Biggest RP vaccine reserve with 2,5 million doses
 - The stock is currently being replenished with new 10 million doses of RP vaccine



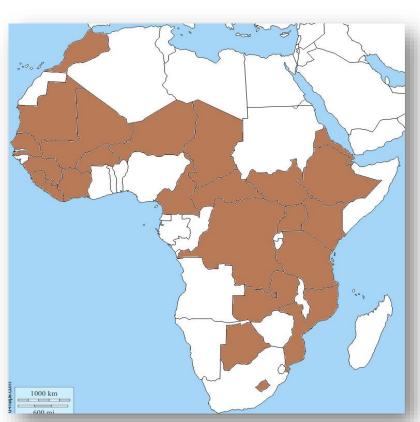
Development, Production and Distribution Diagnostics 200



- ☐ Support the Control & Surveillance of Priority Animal Diseases in AUMS
- ☐ 5 Tests Kits available & contributing to reduce by 60-70% the cost of samples testing



Automated platform for Test Kit production



2018-2022: Test kits distributed to 24 AUMS

STRENGTHENING BIOSAFETY AND BIOSECURITY IN VET LAB TO SUPPORT PPR ERADICATION



The main objectives of the planned initiative are:

- ☐ To enhance biosafety and biosecurity measures in veterinary laboratories involved in the PPR eradication program.
- ☐ To ensure safe handling and containment of the PPR virus and other high-risk pathogens to support the eradication program.
- ☐ To establish a comprehensive pathogens inventory management system for PPR materials to facilitate their destruction and sequestration post-eradication.
- ☐ Identify and map facilities in Africa holding PPR virus materials.
- ☐ Develop a plan for the safe destruction or sequestration of these materials at post-eradication.





AU-PANVAC New Facility Complex

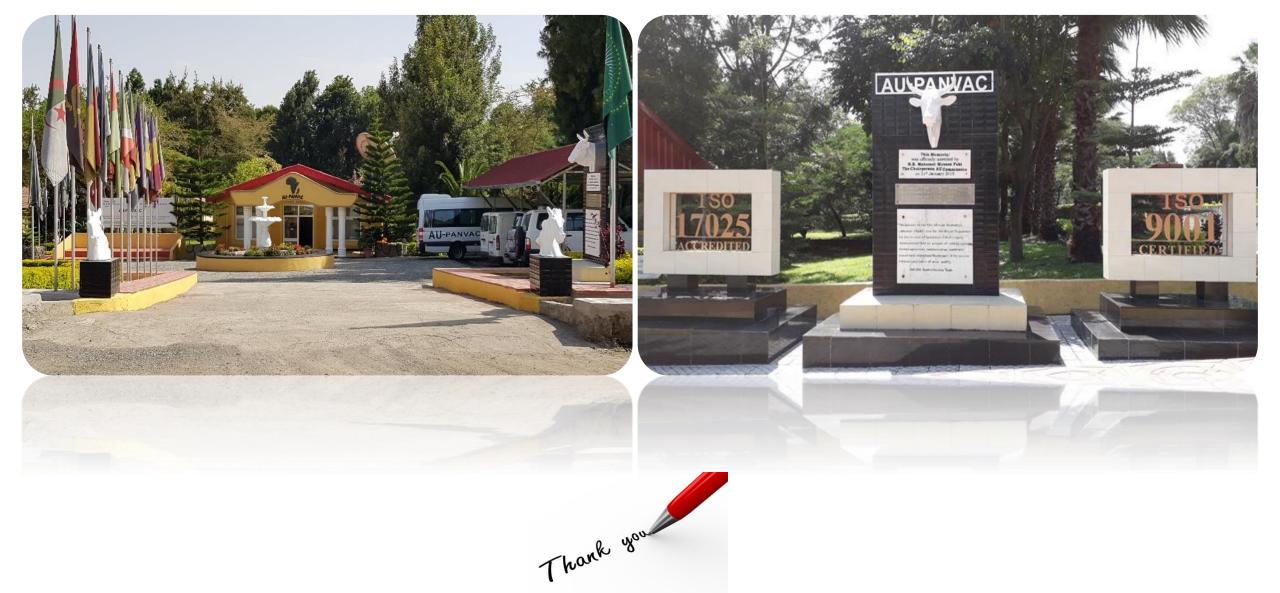




- Vaccine Quality Control laboratory
- Biological Reagent Laboratory
- Process development laboratory
 - **Biosafety Level 3 Laboratory**

AU-PANVAC

- Highly secured storerooms for pathogens organisms
- Vaccine bank and Seeds storage
- Training and Technology Transfer Center
- Offices, Conference and meeting rooms, recreation facility and canteen



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