



Laboratory Workforce Development through Public Health Laboratory Networking in East Africa

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Outline



- Introduction
- Key components
- Training and Capacity
 Building
- Training approach
- Achievements
- Lesson Learned





Background



- The EAPHLN Project aims to:-
 - Establish a network of cross-country, high-quality public health
 laboratories within 5 East African Countries
 - Address the common challenges facing the five countries
 - Dilapidated infrastructure built decades ago
 - Inadequate supplies
 - Inadequate quality human and financial resources
 - Manual information systems which are not effective for decision making
 - Address the capacity to communicate outbreak-related information across national borders in real time



Key components



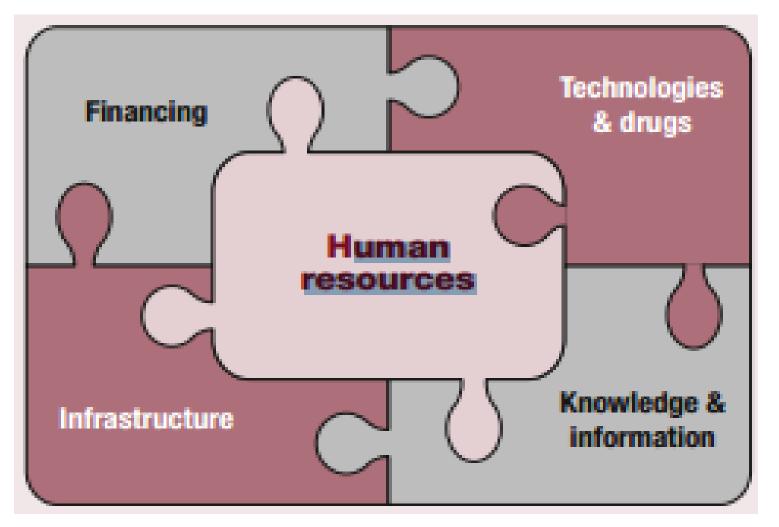
- There are three technical components of the project
 - Networking and Laboratory Accreditation
 - Joint training and capacity building
 - Joint operational research, knowledge sharing, regional coordination, and program management
- Each country takes leadership in specific aspect of the technical component in the project
 - A center of excellence in the area of strength

Countries Leading various technical components **TANZANIA UGANDA Training &** Lab **Capacity Networking Building** Regional institutions facilitate knowledge **BURUNDI** sharing ECSA & **PBF** EAC **KENYA** O.R. **RWANDA** Surveillance ICT/PBF **MDR-TB**



Capacity Building: Glue to the health system strengthening







Training & Capacity Building

NHLQATC as a regional training hub

- Conduct joint training for assessors (ASLM) to establish a regional pool
- Provide training in laboratory management using a TOT approach
- Strengthen ICT skills for laboratory professionals to improve productivity
- Developing e-learning modules
- Providing mentorship and hands on bench training







Partners



- ASLM African Society of Laboratory Medicine
- APHL Association of Public Health Laboratory
- Amref Health Africa
- ESAMI Eastern and southern African Management Institute
- East Africans Universities
- AFENET- African Field Epidemiology Network
- CDC Center For Disease Control
- CHAI Clinton Health Initiative
- WHO World Health Organization



Objectives for Training and Capacity building

- Support training and capacity building for laboratory personnel
 - Increase the pool of experts in the sub-region
 - Improve the effectiveness of public health laboratories
- Develop a competent health workforce and focus into the future improvement in health programs
- Target to train 10888 health personnel in 5 years
 - Short Courses
 - Long Courses; BSc, MSc and PhD
- Training Modules conversion into e-learning format



Training and Capacity building activities



- Implementation of strategies for harmonizing regional training curriculum for medical laboratory professionals
- •Implementation of strategies for cascading of training and follow up plans in country and at regional Level
- Certification of lab personnel—upgrading of the lab
 Management course and registration of the course in the
 University
 - Universities offer certificates to trainees
 - Plans to upgrade the rest of the courses is underway



Training approach



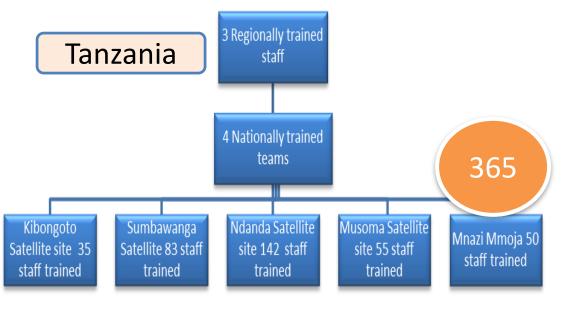
- International organized trainings
 - Training of Trainers (TOT)
- Regional trainings
- In country trainings
- E-learning methods

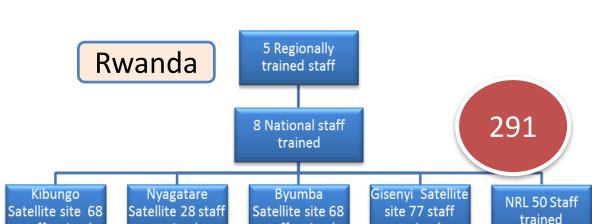


staff trained

trained

Cascade model to reach more staff





staff trained

trained







Expanding training through elearning



- To improve access to training materials and opportunities
 - Develop an accessible, user friendly web environment to support elearning (<u>www.elearning-eaphln.org</u>)
 - Electronic distribution of courseware
 - The tool is for the delivery of the following courses :
 - Laboratory Management (Tanzania)
 - Biorisk Management (Uganda)
 - Laboratory Based Disease Surveillance (Kenya)
 - Basic ICT (Rwanda)
 - Research Methodology (Kenya)





About

Programmes

How to Apply

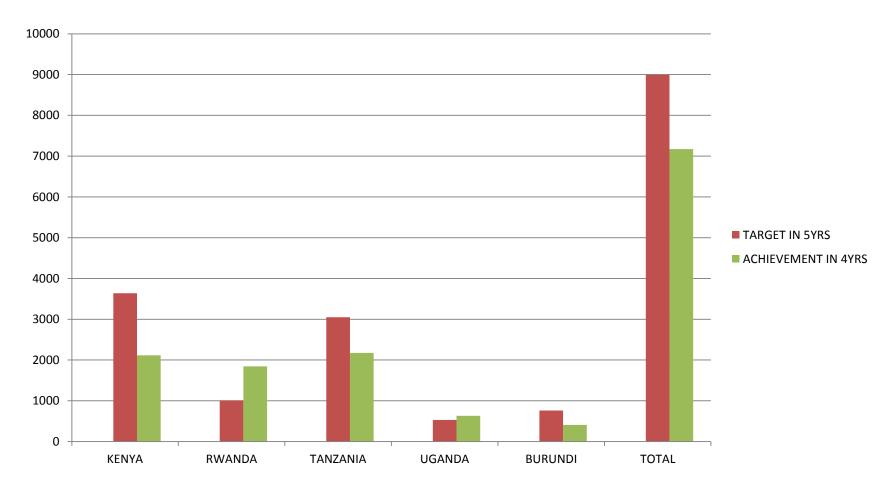
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Achievements





Setting targets that are excessively ambitious



Long-Term Trainings

	Course	Rwanda	Tanzania	Kenya	Burundi	Uganda	Total
1	PhD	1	2	0	0	0	3
2	FELTP	7	7	8	0	0	22
3	MSc in Microbiology & Parasitology, Pathology, Molecular Biotechnology	6	9	4	0	0	19
4	M Med in Health Sciences		3	1			4
5	MPH, Health Economics, Epidemiology, Radiology,	1	0	2			3
6	Msc Monitoring and evaluation, ICT		4				4
6	BSc in Laboratory Sciences		10				10
7	Higher Diploma			2			2
TO	TAL PER COUNTRY	15	35	17	0	0	67 16



Achievement for sustainability



- Training packages developed
 - Laboratory based surveillance,
 - Bio risk and Laboratory management,
 - Research Methodology and ICT
- E- learning platform for laboratory trainings
- Certificate level Laboratory Management Course
- Pool of regional trainers for Laboratory Based trainings
- Pool of Lab Assessors and Mentors
- Networking and Knowledge exchange Forum



Lessons learnt 1/2



- Knowledge sharing is critical to strong implementation
 - Cascading training down to lower levels
- Partnerships within county, national and regional institutions and other stakeholders
 - Do more with little resources
 - Countries working together
 - International standardized programs like SLMTA
- Regional project can serve as a base for broadening collaboration within member states



Lessons learnt 2/2



- Raise the visibility of the Laboratory services
- Strong dedicated and focused leadership approach
 - Team developed over time
- Improved capacity and self esteem of staff through various training which has been greatly improved the quality of lab services



Acknowledgements



- MOHs in EA
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- ECSA/EAC
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- Laboratory Development Partners