

ADVANCING THE LABORATORY PROFESSION AND NETWORKS IN AFRICA

## The LABNET scorecard to strengthen laboratory networks in Africa

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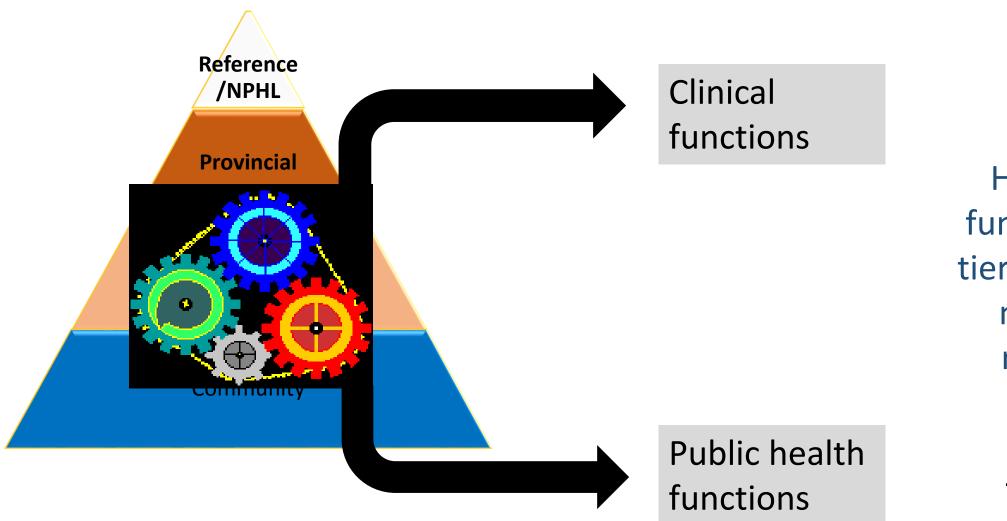


### Effective laboratory networks

# well-organized and coordinated clinical and public health functions.



## The mechanic underlying the laboratory network functions



How can the functions of the tiered laboratory network be measured?

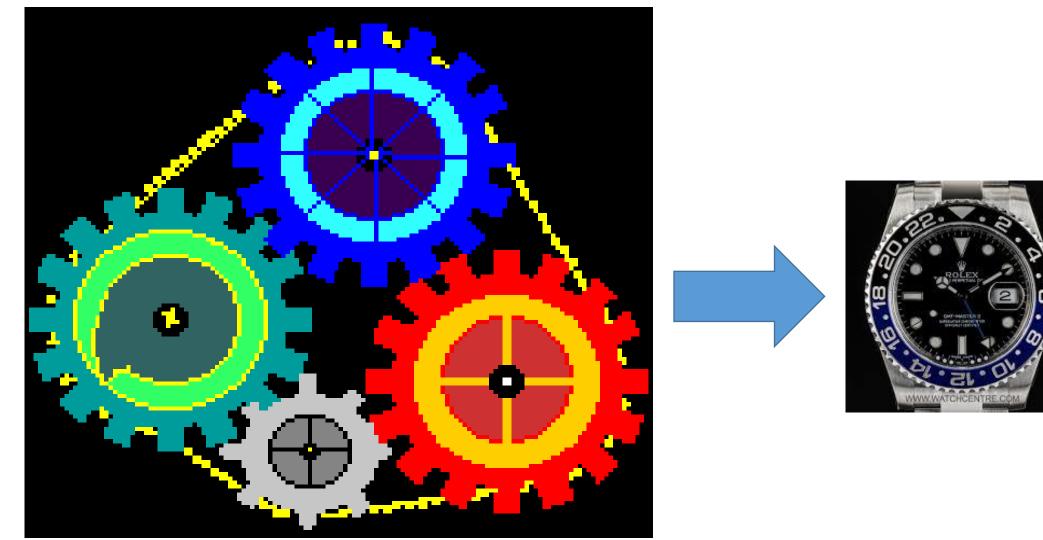
The clockwork metaphor

#### **<u>Check</u>** that all gears and pieces are present



#### Assess that they <u>function together</u> as a clockwork

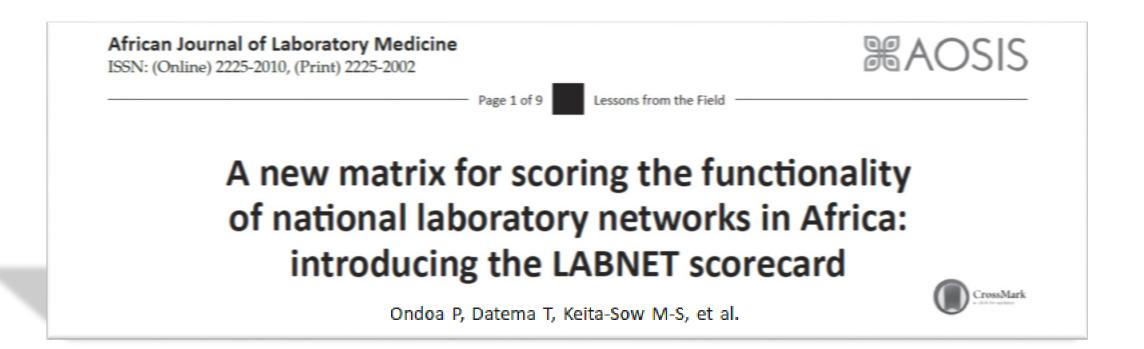






#### The African Society of Laboratory Medicine(ASLM) &

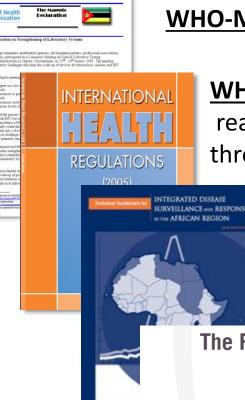
The **Association of Public Health Laboratory** (APHL) jointly developed the **LABNET scorecard** to measure the <u>performance</u> of national laboratory networks





### Characteristics of the LABNET Scorecard

#### Covers the essential normative standards for the laboratory systems and networks



**WHO-Maputo declaration** for strengthening of laboratory systems in RLS

**WHO-IHR:** binds all countries to be alert and ready to respond collectively to public health threats, also across borders.



Aligned with WHO JEE tool

**WHO-IDSR:** Makes the best use of country resources to conduct integrated surveillance of priority diseases.  $\rightarrow$ Implement IHR



The FAO-OIE-WHO **FAO-OIE-WHO** One-health concept note: prevent, detect, respond Collaboration to public health and animal risk through inter-sectoral Sharing responsibilities d coordinating global activities collaboration. address health risks at the

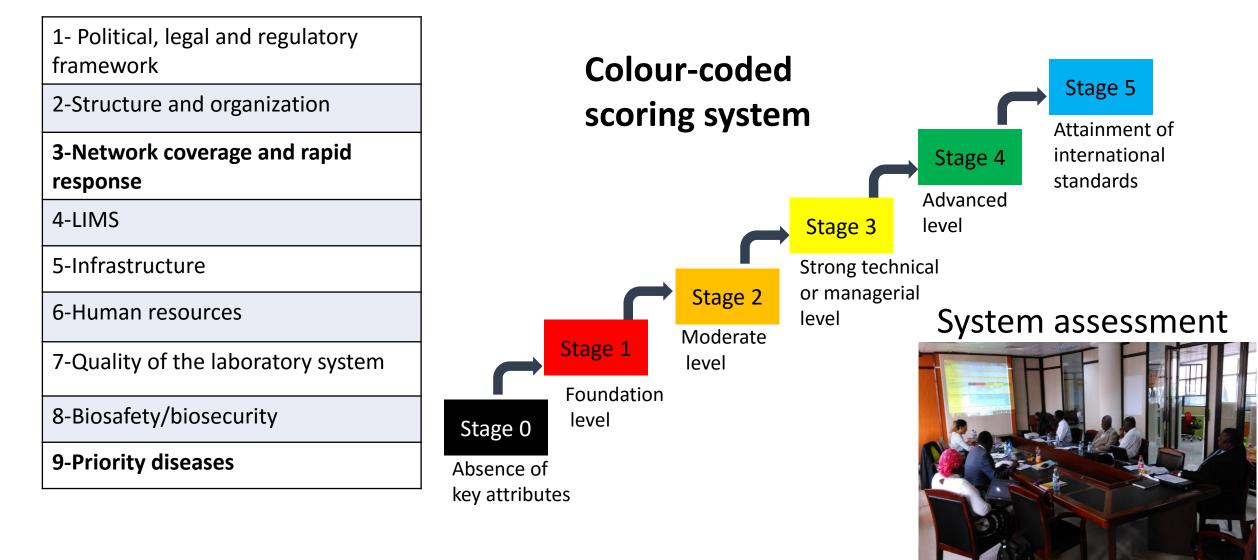
A Tripartite Concept Not



**<u>GHSA</u>**: international effort of nations and organizations to accelerate progress toward a safe world, by speeding up the implementation of IHR and OIE PVS.  $\rightarrow$ Implement IHR



## Measures capability maturation of 9 essential functions of the laboratory network





# How is the LABNET scorecard designed and how does it work?

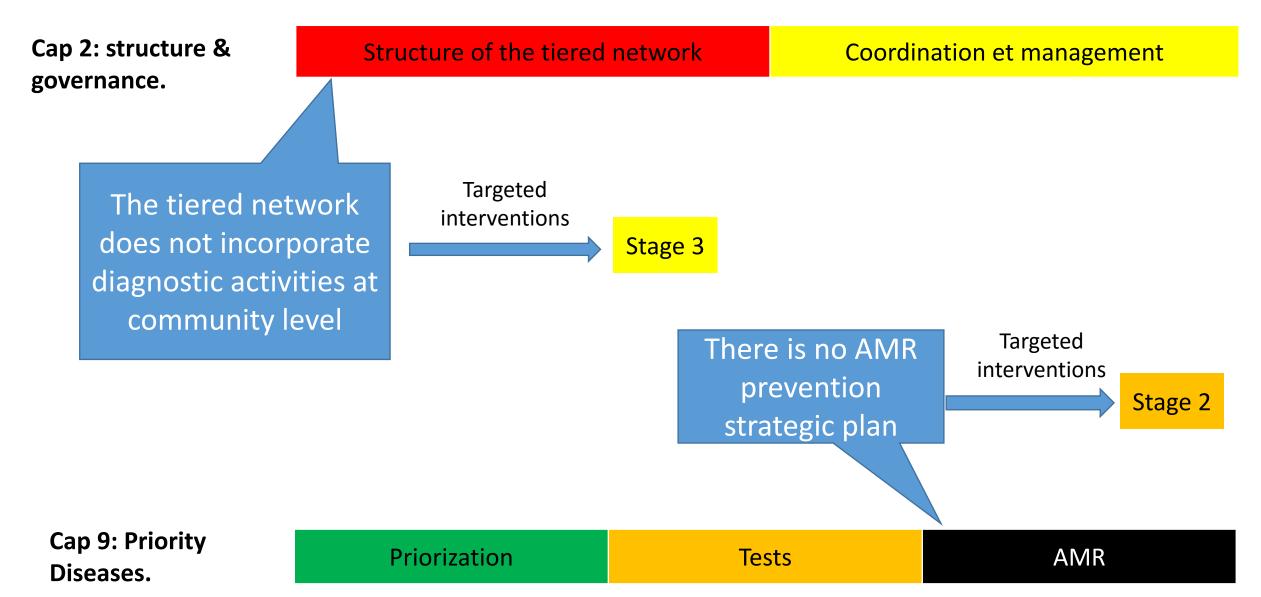
Core	Components	Questions)	Graded responses and scores						
capability 3			0	1	2	3	4	5	
Network coverage & rapid response	Tiered network coverage	Q1 Are all vertical programs (i.e. disease specific) laboratory services fully integrated into the general tiered laboratory network?	No integration at all.	Some collaboration takes place between vertical program laboratories and other general laboratories in the country.	perform selected testing for some vertical programs.	The whole general laboratory network perform selected testing for some vertical programs.	The whole general laboratory network perform selected testing for all vertical programs.	-	
		Q2 Is there a current map or list of laboratories that fall under the national laboratory network?	No	Only for some laboratories for human health in the public sector.	For all human health laboratories and some veterinary and environment laboratories in the public sector.		All laboratories under the One health concept with incomplete GPS mapping.	All laboratories under one Health in the country are inventoried and GPS-mapped.	
		Q3 Are laboratory facilities for the basic testing package available at a rate of 1 facility/100,000 population in all districts or in such a way that >80% of the population is at a maximum of 5 km from the lowest laboratory tier, in each district?	<ul> <li>Highlights weaknesses.</li> <li>Provides a roadmap for improving</li> </ul>						
	Rapid response & preparedness Sample referral system				the maturation of each core capability.				



# Lessons learnt from the LABNET scorecard assessment in Senegal & Uganda

Cap 1: pol. Leg. reg	Legislation	Pol	icy & plans	Governan	ice		inances
Cap 2: struct., gov.	Structure of the	tiered	network	nation et management			
Cap 3: overage/rap.resp	Network coverage		Rapid response & preparedness		Sample referral system		
Cap 4: LIMS	Data collection		a analysis & sharing	Surveillance /Epi	Repo	orting	Securité/conf
Cap 5: inf./equip/reag	Infrastructures		Supply chain	Equipment			
Cap 6: HR	p 6: HR Training and education		recrui	Strategy for HR development			
Cap 7: QUALITY	ap 7: QUALITY QA		QMS		<b>Certification &amp; accreditation</b>		
Cap 8: biosec/biosaf	Biosecurity manual		tional syst. saf/biosec.	Sample sto	rage Waste managem		management
Cap 9: Priority Dis	Priorization		Te	AMR			

## Targeted intervention to increase the performance of the Senegalese laboratory network





### The LABNET scorecard: a powerful tool to strengthen national laboratory networks

- Assessment results provides the opportunity to target interventions to critical areas of weaknesses
- The tool allows the monitoring of the laboratory network functionality over time and across countries
- The tool covers AMR which prevention and control is strongly dependent on the functionality of the network



LABNET scorecard assessor training Dakar 21 to 24 March 2016

#### **THANK YOU**