



Our innovative approach to improving laboratory systems

SCMS strives to reduce public health system costs and improve patient care through quality laboratory services.

Laboratory harmonization

Our approach: SCMS works with countries to define test menus that are responsive to clinical needs. SCMS then utilizes logistics data to inform an optimal tiered laboratory network.

Benefits: Reduces the variety of laboratory supplies and equipment. Provides an opportunity to gain efficiencies and improve supply chain delivery of essential reagents and consumables and instrument maintenance.

Laboratory quantification, forecasting, and supply planning

Our approach: SCMS supports countries in developing annual forecasts and quantification outputs. SCMS utilizes the ForLab multi-method forecasting tool, which uses demographic, service, and consumption data to increase forecast accuracy.

Benefits: Improves supply chain systems, program performance and instrument usage.

Maintenance strategy development and support

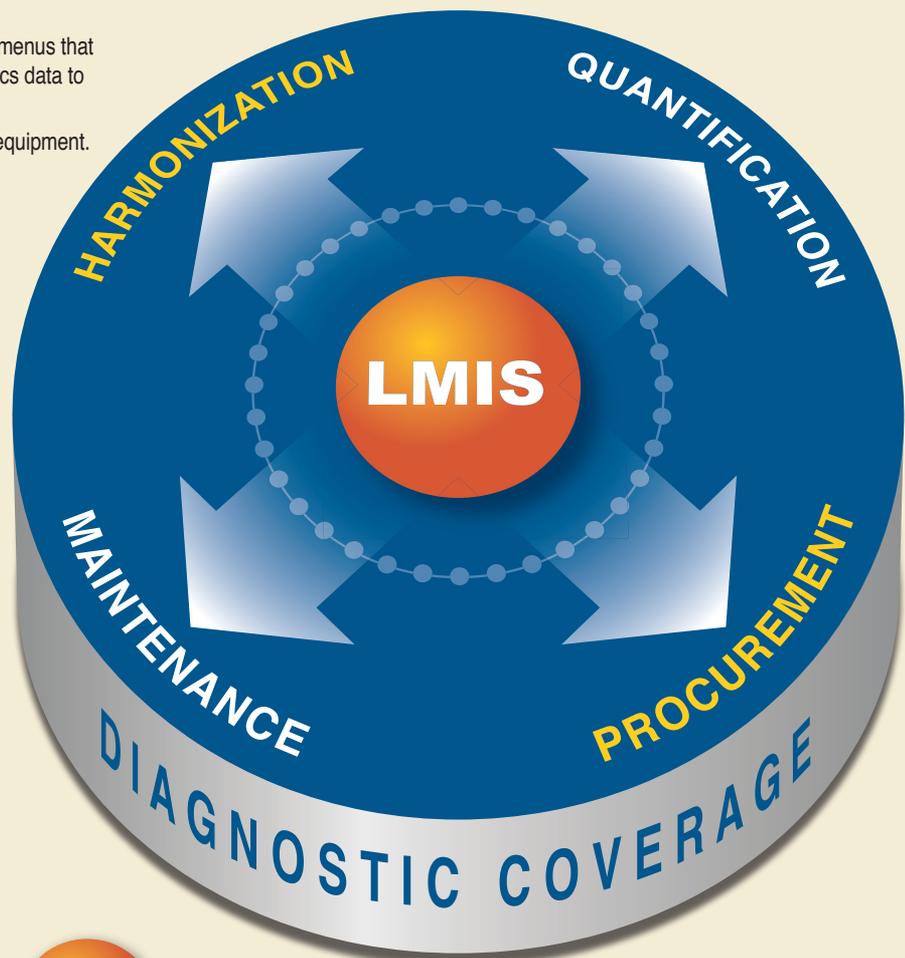
Our approach: SCMS implements asset management systems to monitor instrument and vendor support.

Benefits: Mitigates the risk of service interruptions and commodity expiries. Assists in guiding investment decisions and negotiating future maintenance agreements.

Instrument procurement and network optimization

Our approach: SCMS developed the “12 question approach” to assist countries in the development of appropriate instrument deployment and replacement strategies.

Benefits: Aligns instrument usage and site readiness to demand vs. instrument capacity, ensuring further opportunities for cost efficiencies.



LMIS Logistics Management Information System

Laboratory LMIS is at the core of a well-functioning laboratory network. A LMIS is a system of records and reports used to manage supply chain systems. LMIS is a critical tool that SCMS uses to make evidenced-based laboratory system decisions.



Need more information or interested in contacting one of our laboratory advisors?
Send an email to info@pfscm.org

SCMS laboratory technical initiatives in action



Laboratory harmonization

SCMS facilitated the development of national harmonization strategies to standardize diagnostic testing and instrument specifications in **Botswana, Côte d'Ivoire, Nigeria, Rwanda, and Zambia.**



Sample referral optimization

SCMS supported **Ethiopia** in optimizing their sample referral network using Geospatial Information System (GIS) resulting in potential cost savings of \$1 million in transportation. This led to the development of an open-source GIS tool.



Laboratory quantification

SCMS has worked with more than 10 countries to quantify laboratory commodities and inform supply and procurement planning using ForLab.



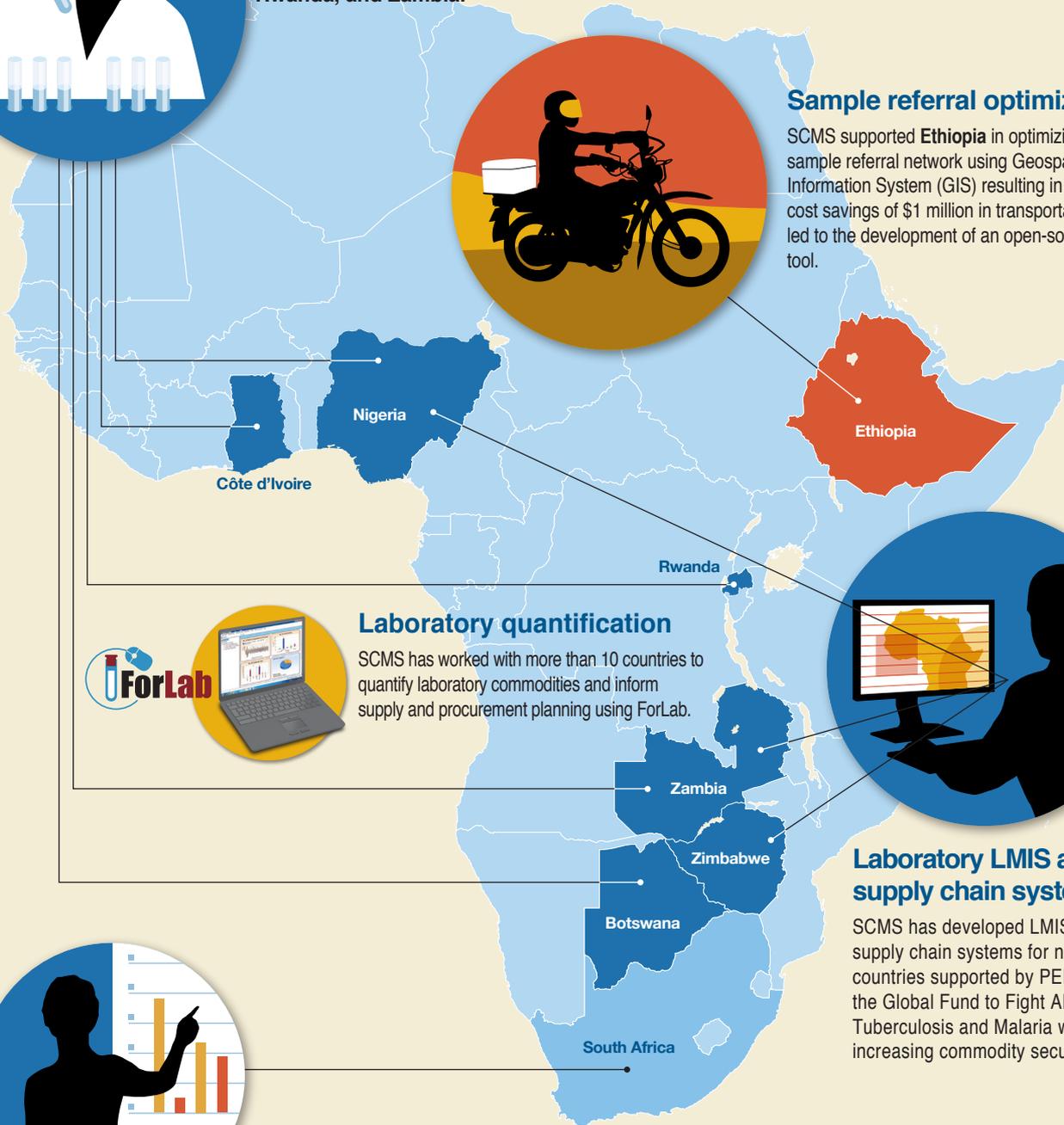
Laboratory LMIS and supply chain systems

SCMS has developed LMIS and supply chain systems for numerous countries supported by PEPFAR and the Global Fund to Fight AIDS Tuberculosis and Malaria which are increasing commodity security.



African Centre for Integrated Laboratory Training (ACILT)

In 2012 SCMS established a partnership with ACILT and began facilitating training sessions on effective use of LMIS data to guide laboratory system development and ForLab.



SCMS contributed to the development of the Maputo Declaration on Strengthening of Laboratory Systems (2008) which continues to guide the SCMS laboratory systems approach.