Lab Mapping Experience: ZIMBABWE

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Laboratory Mapping Team

Selection & Coordination

Data Collection

Tiered system for Zimbabwe

Data Validation & Utilization

The Next steps

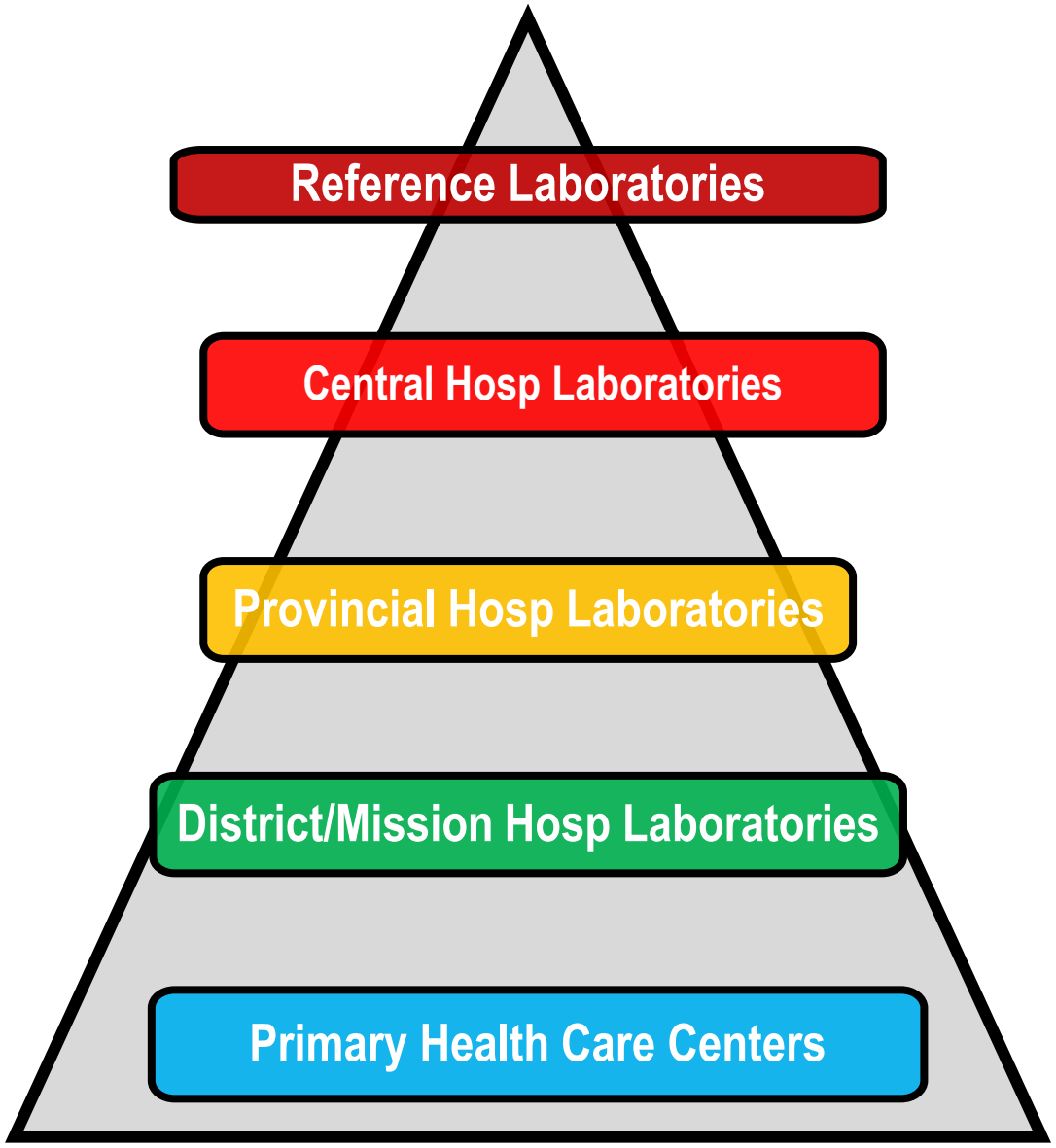
Selection & Coordination

- The MOH team ,Animal health, Environmental health and the private sector with support from ASLM & AFRICA CDC went through the labnet leadership course
- One of the assignments was to conduct a lab mapping exercise in the country
- The lab net leadership team by default performed the lab mapping exercise
- Data collectors, mapping coordinator & Supervisors

- A line list of public health laboratories & private laboratories was obtained from the central registry (MLCSCZ)
- Priority was given to public health labs especially the big ones-All Tiers
- We considered distance between sites, road network, available resources & to give a more representative picture of the diagnostic network

- Data collections teams were formulated based on the facilities to be mapped
- Training was done prior to the mapping exercise
- Whatsapp group was developed to show progress during data collection & central monitoring

Zimbabwe Tiered System

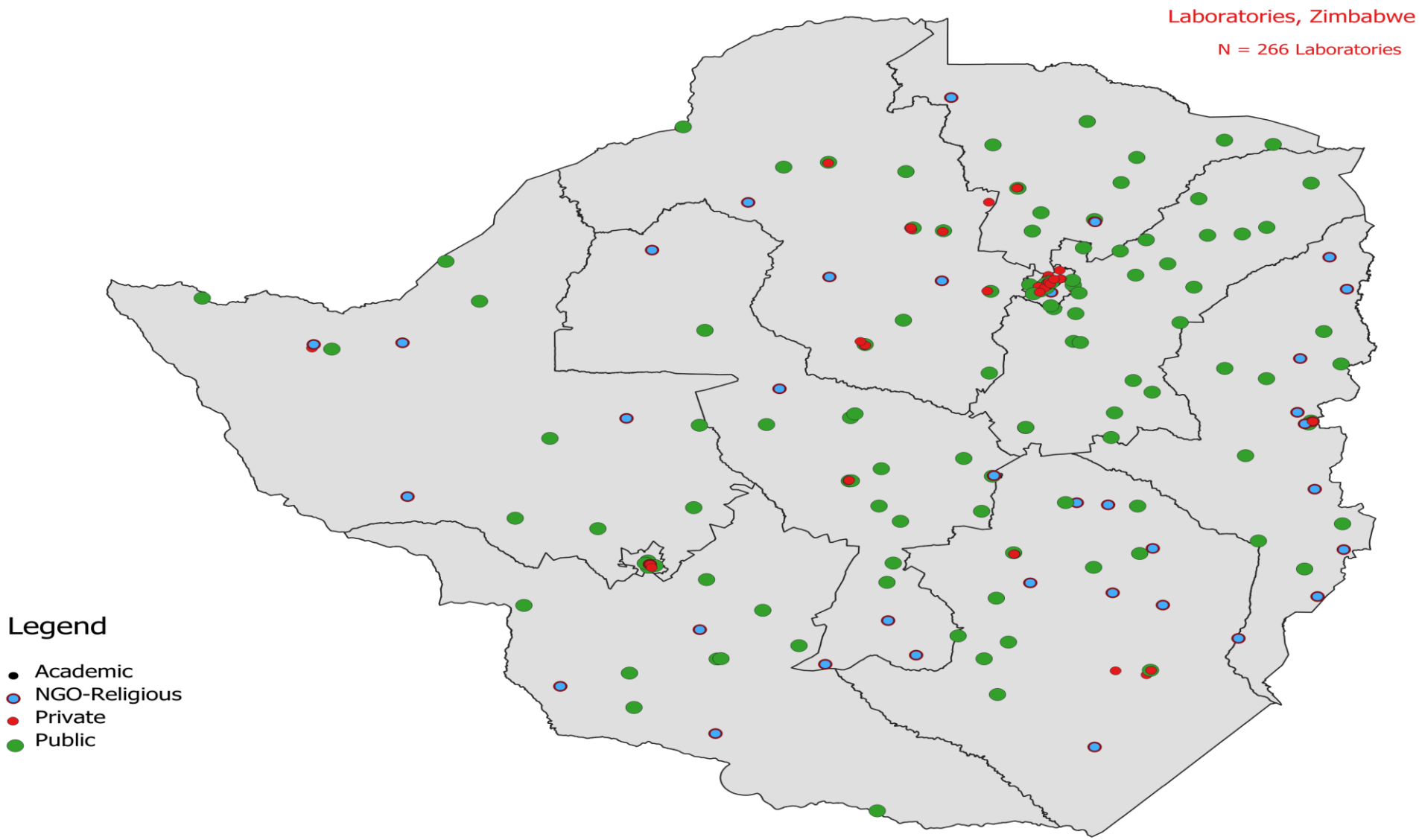


- +/- 1,634 Health Facilities (public & private)
- 10 Provincial Hospitals
- 5 Central Hospitals
- 102 Misson/District hospitals
- 111 Primary Health care labs

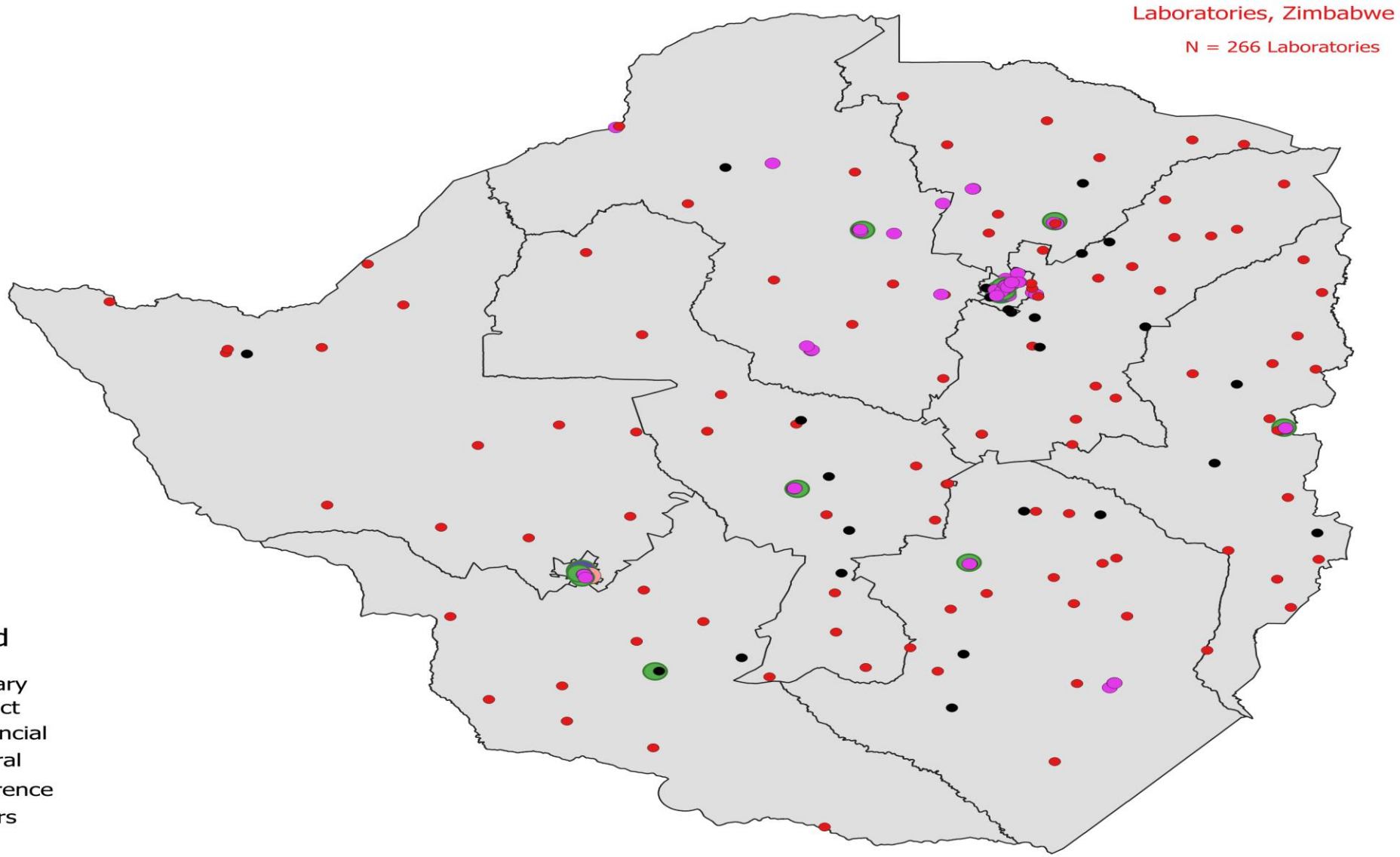
Data Validation & Visualization

Phase 1	Issues	What we did
• Received data tables made from the collected data • Data tables & maps made visualisation of the data easy & to have mechanisms to interrogate the data • Lab mapping coordinator worked on the data set & made the first cleaning session • ASLM supported a 3 day meeting with the entire labnet team to clean the data & put recommendations & Action items	• Biosafety levels of laboratories • Tiered system & private laboratories • Classes of Biosafety Cabinets • Equipment • Heat Map-Testing capacity • Affiliation	• Critically discussed on issues identified & agree • Adjusted the tier system & private labs, animal & environmental health were categorized as others. • Used existing data sources to update equipment & classes of biosafety cabinets. BSCs list,GeneXpert List • Used program data(TB,HIV,Malaria) to adjust testing capacity as applicable

Labs mapped by Affiliation :



Laboratories Mapped by Tier



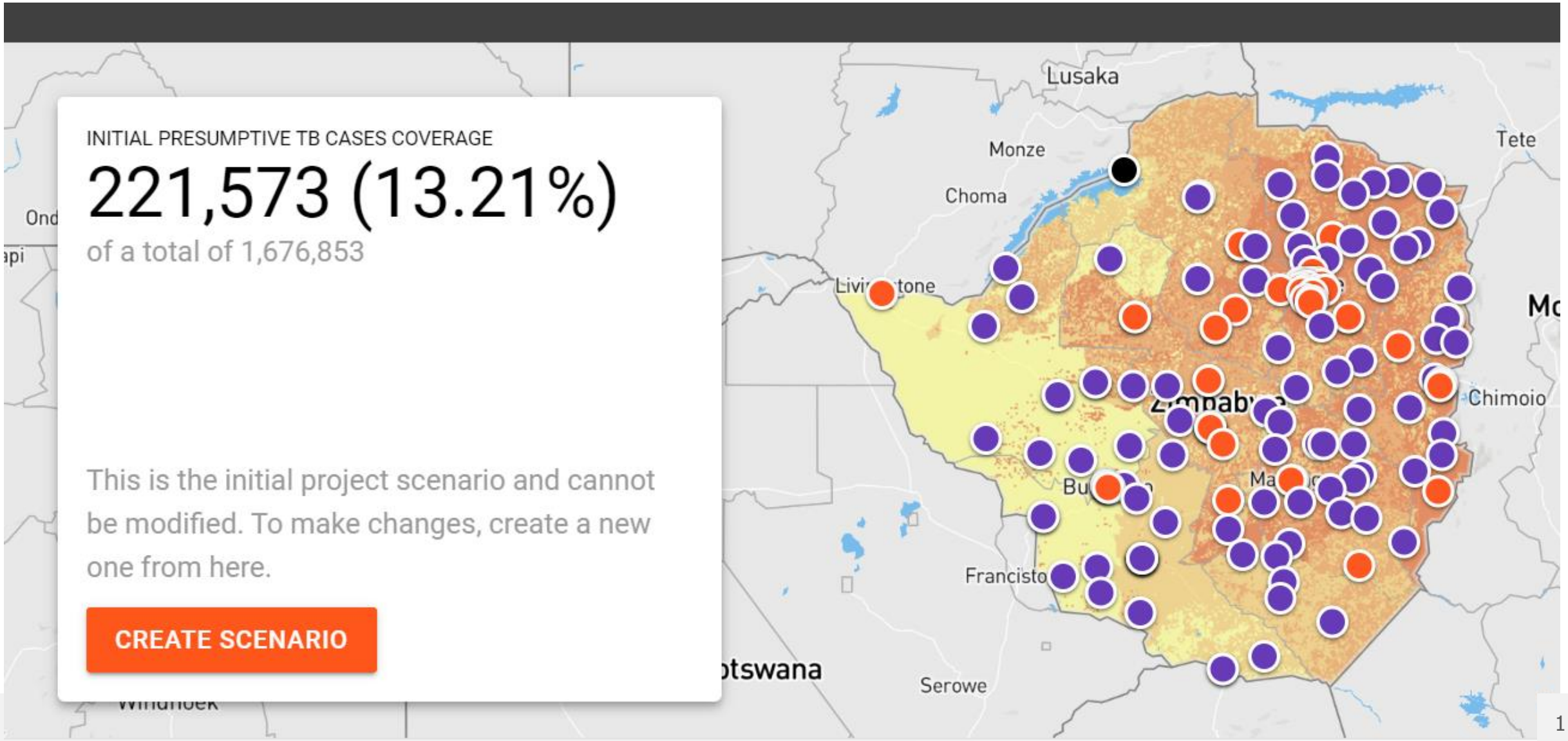
Data visualization .....

- of the 266 laboratories mapped ,115 public health laboratories have been mapped upto date . This constitutes 53% of public health laboratories in the country with majority of unmapped facilities being from the lowest tier
- 107 private laboratories were mapped and majority of them were located in the major cities with the capital taking more than 50%
- Zimbabwe intends to continue updating the lab mapping data set

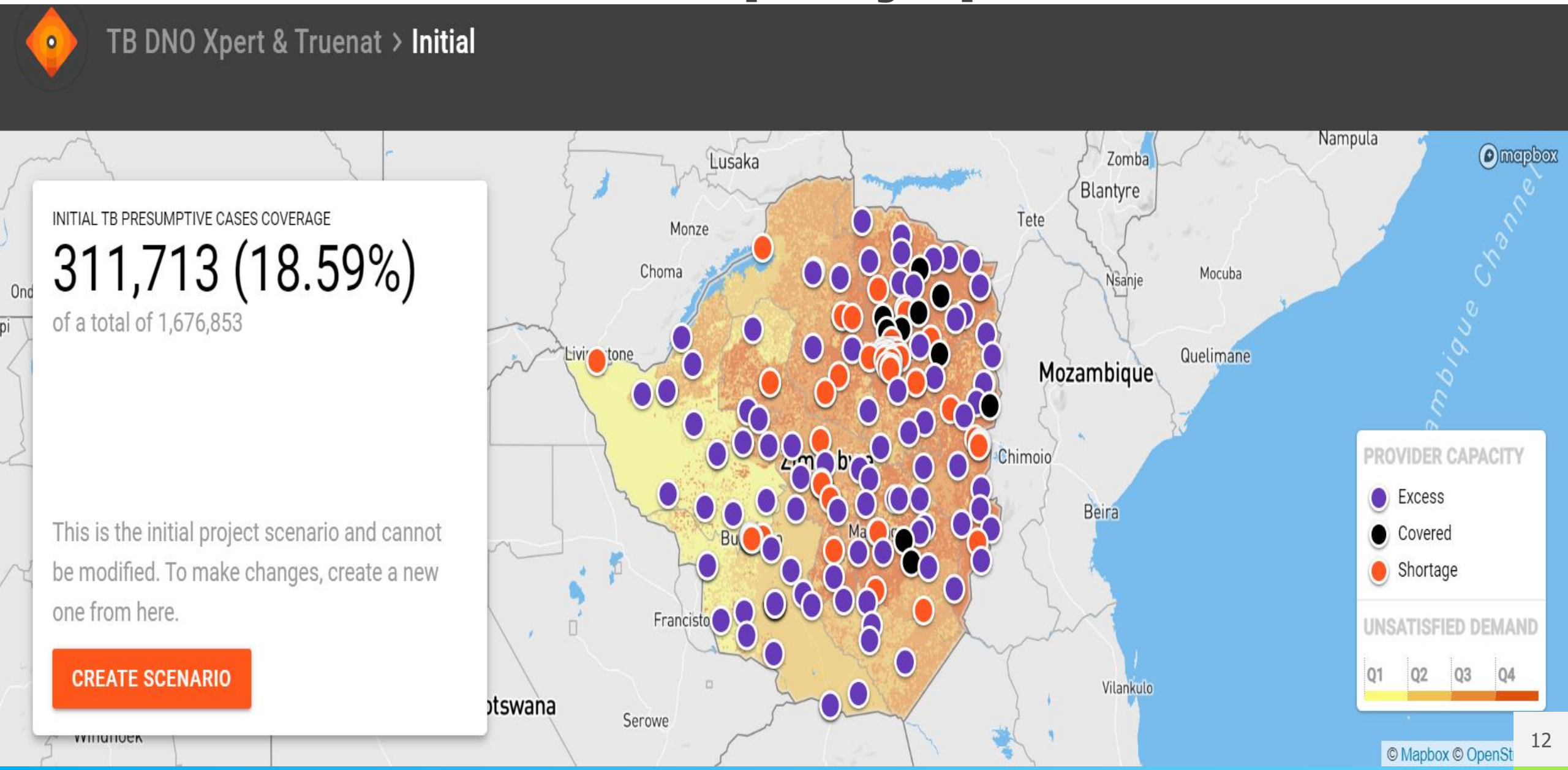
The Next Steps

- Using PLANWISE to perform optimization exercises to improve the diagnostic network.
- PLANWISE is a web based tool which performs population service coverage computations . There exist many other tools to perform such computations but PLANWISE is extremely user friendly. No special training is needed, but just a training package supported by ASLM.
- MOHCC-DLS will conduct a TB DNO exercise using an electronic tool (PLANWISE).
- MOHCC-DLS will conduct the HPV DNO in Zimbabwe to assess diagnostic capacity.
- GeneXpert replacement plan: Coverage of aged machines vs population to be serviced

TB DNO Scenario: 50% Capacity Xpert Only



TB DNO Scenario: 50% Capacity Xpert & 100% truenat



Stake Holder engagements & Partner Support

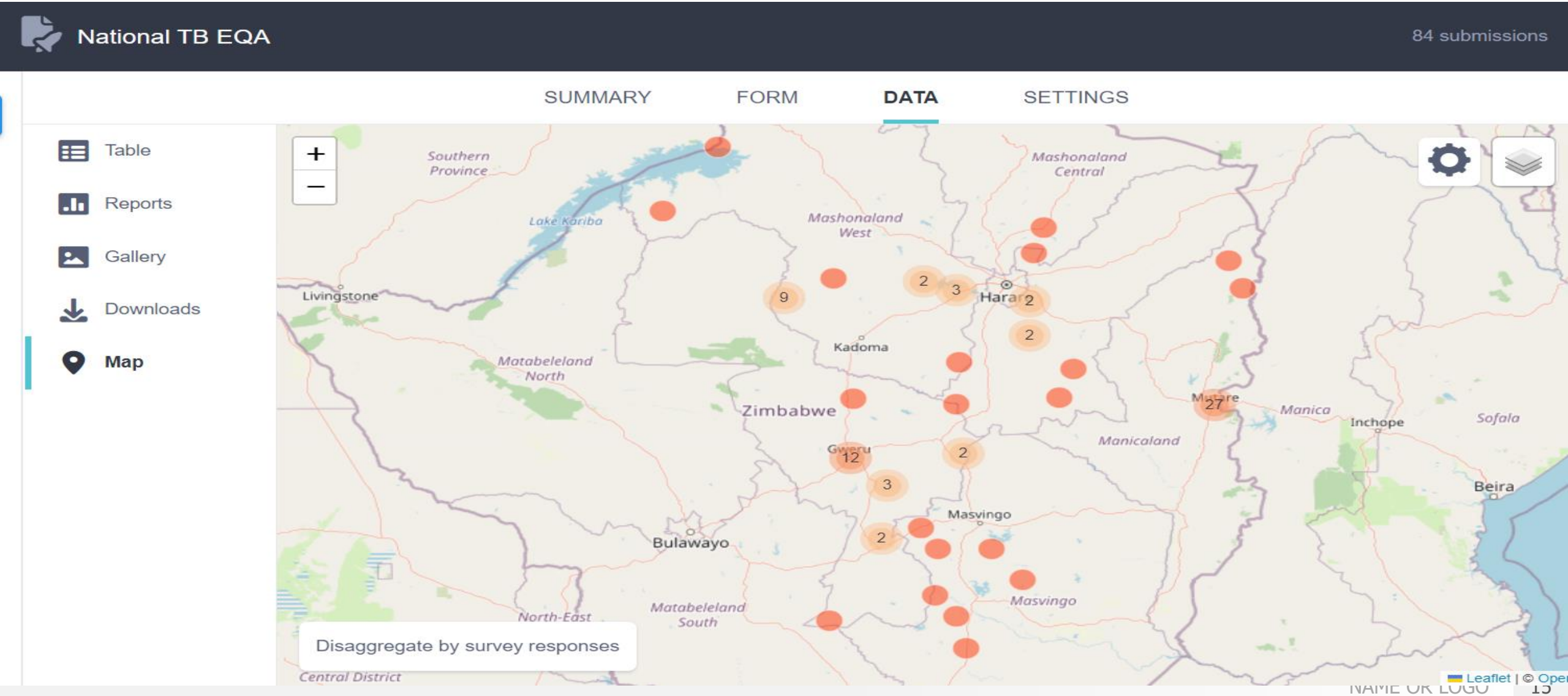
Partner	Area of Support
ASLM	Lab mapping budget, Tools & training
Africa CDC	Trainings & Lab mapping budget
MOHCC-DLS	Data collection & coordination
NTP	Data collection
private sector	Data collection

Adoption process of the gaps and strategies for improvement

- After data cleaning , the findings & proposed recommendations(Living document) were presented to the Director laboratory services
- All findings & recommendations will be channelled through the Director laboratory services and action items shall be assigned as applicable to the labnet team
- Specific recommendations will be followed up by Labnet team members as applicable(the team has representation of lab coordinators & key focal persons in various key sections)
- The DLS & Labnet team are working together to start driving the implementation of the recommendations
- E.g we noted that from the lab mapping data analysis as a country we need to improve molecular microbiology capacity as well improve rapid diagnosis of critical pathogens
- DLS has already engaged **Molbio Diagnostics**(developers of Truenat platform)
- DLS is in the process of performing in country evaluations for Influenza viruses, cholera ,HPV, HIV VL & EID on the Truenat platform(21 units in Zim)
- Previous DNO reports are available to complement the Lab Map data & the future DNO exercises to be done & already done using PLANWISE

To other countries

- Zimbabwe has already begun to expand the lab mapping data- Electronic TB EQA using Kobo Tool box



To other countries..

- Make plans to update your lab mapping data base
- Make use of existing data sources to update your data
- Use PLANWISE more and explore endless scenarios
- Work as a team and communicate your findings in real-time

NEVER STOP ENCOURAGING YOUR TEAM