



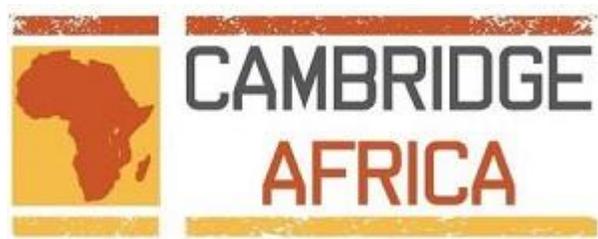
<https://sagesa.africa>



*Southern African Training & Research Network for Genomic Surveillance  
of Antimicrobial Resistance*

# Background and goal of SAGESA

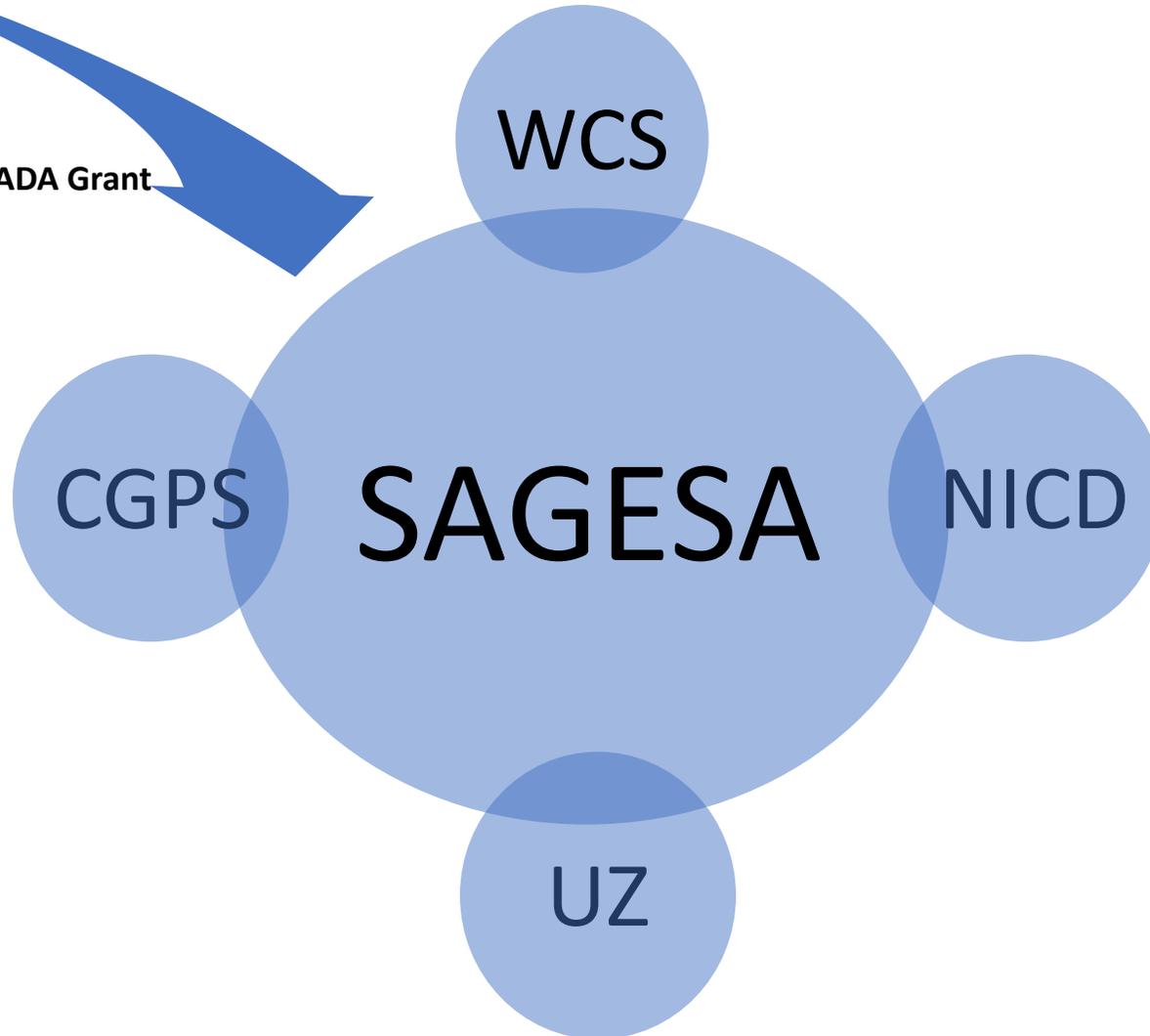
- Limited capacity and application of genomics for pathogen and AMR surveillance
- Resources, infrastructure and expertise.
- SAGESA project
- Developed to support ongoing capacity building for genomics technologies and bioinformatics,
- Establish a research and training network and develop training resources for African scientists.



**Wellcome Connecting Science, UK**

- Alice Matimba
- Dusanka Nikolic
- Isabela Malta

ALBORADA Grant



**Centre for Genomic Pathogen Surveillance, UK**

- Monica Abrudan

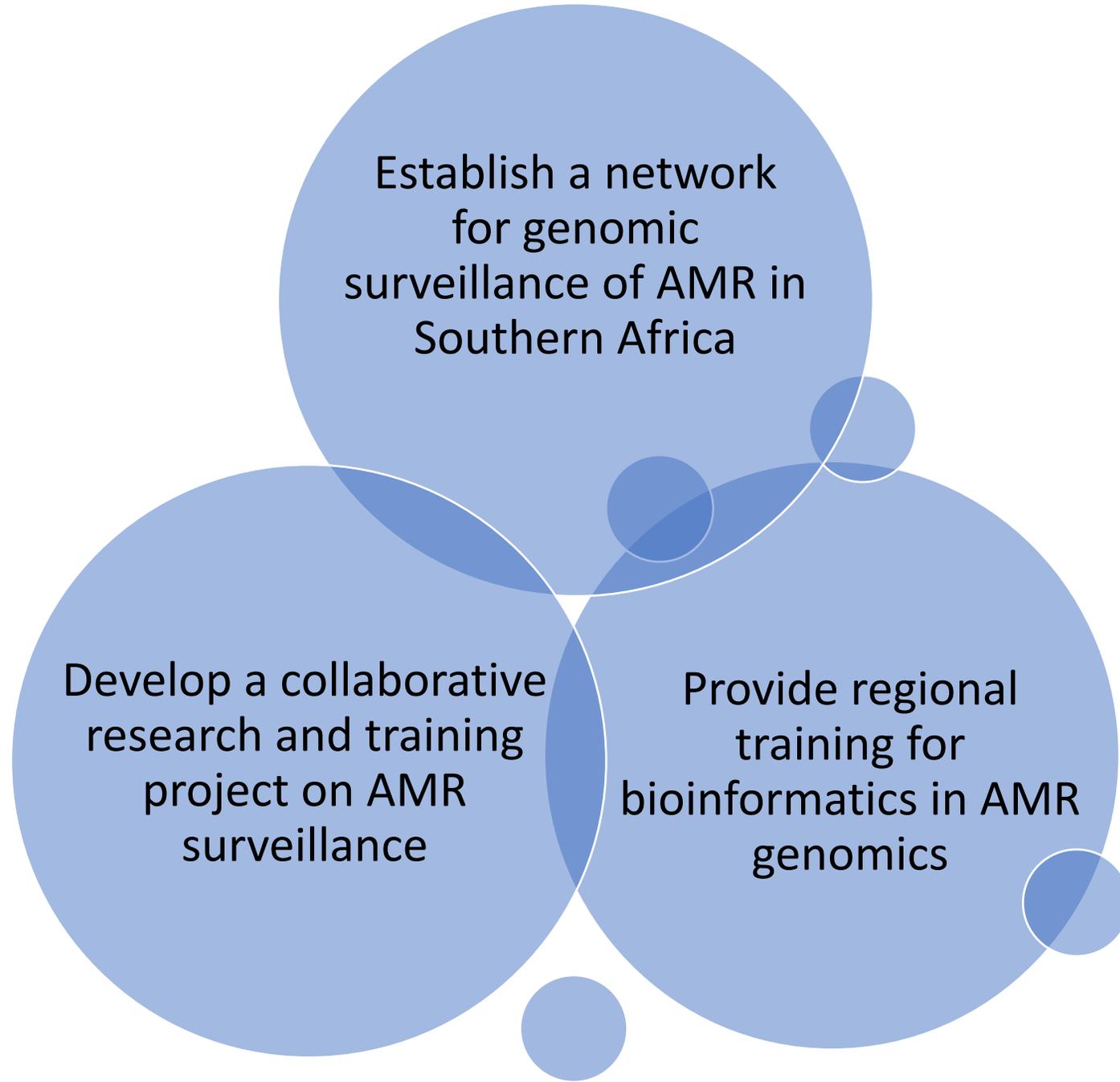
**National Institute for Communicable Diseases, South Africa**

- Stanford Kwenda

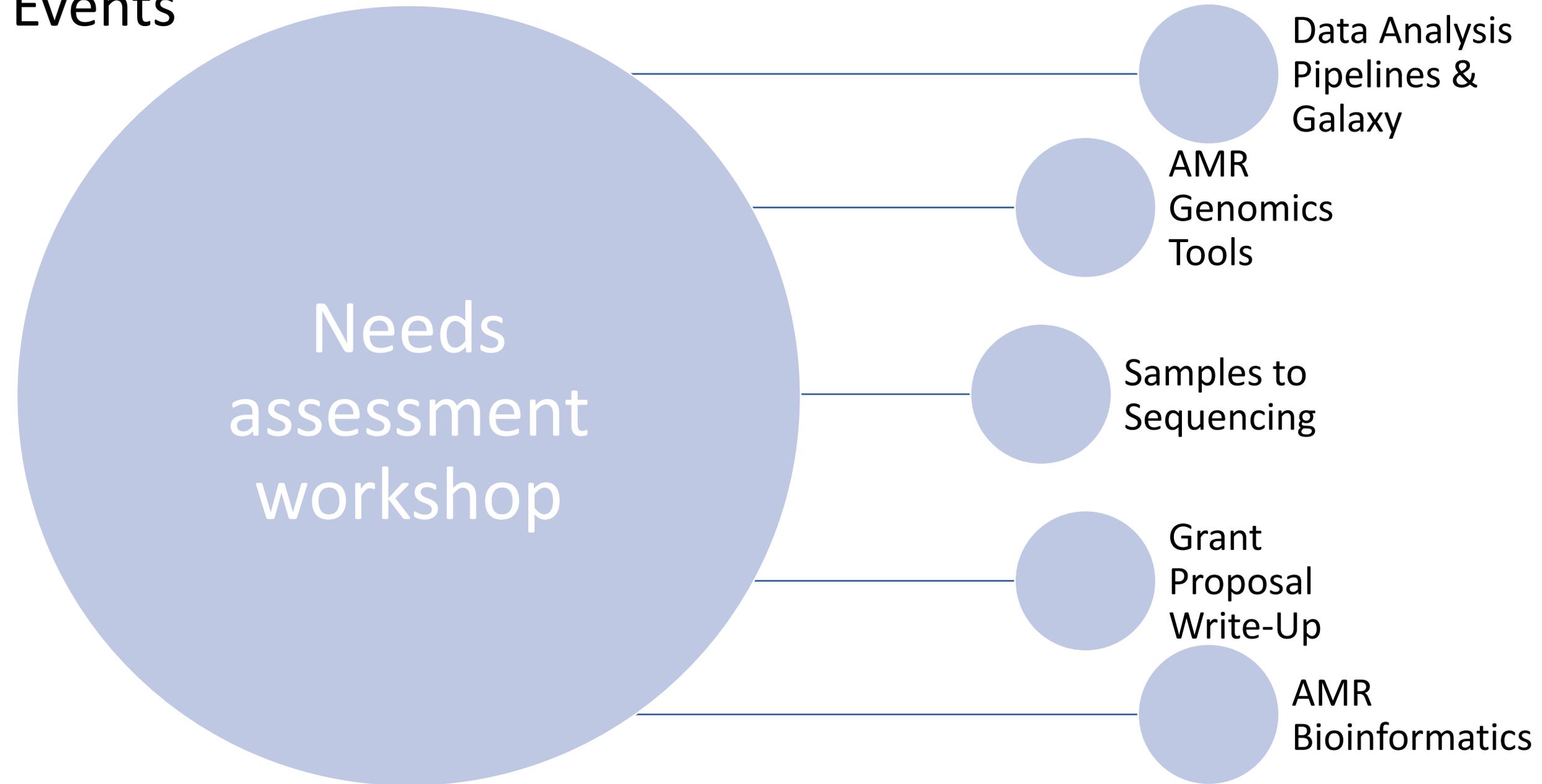
**University of Zimbabwe**

- Joconiah Chirenda

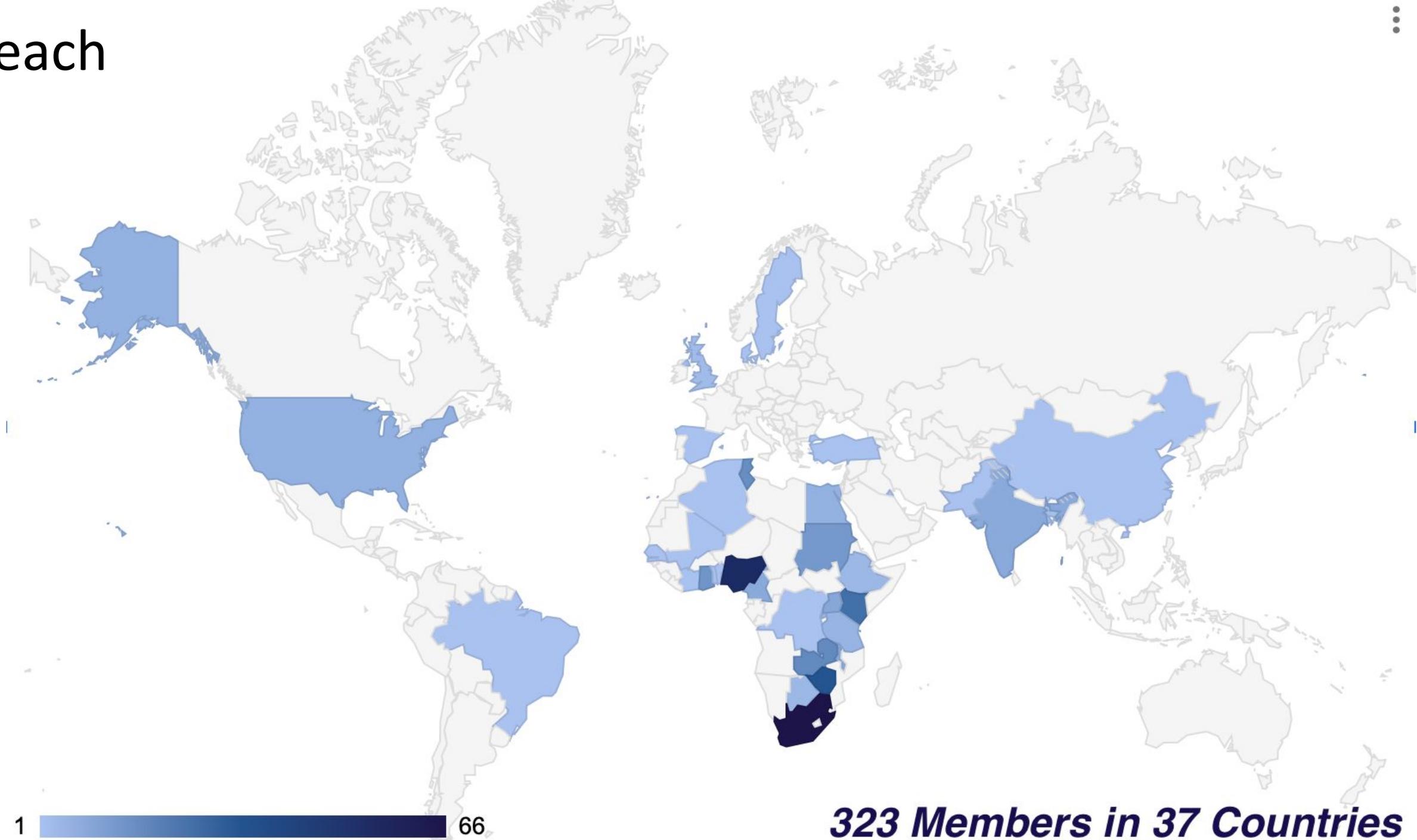
# Objectives



# Events



# Reach



# AMR Bioinformatics Workshop

Over 600 applications

All African regions represented

42 participants selected



**Nosihle** @Nosi\_Msomi · May 25  
Day 1/3 of the @SagesaAmr AMR Bioinformatics Workshop 🙌 working through the basic qc & assembly pracs 🤖 about to start the genome annotation prac. It's been a productive day!  
2 1 6

**Nosihle** @Nosi\_Msomi

State of the students' office



# Grant Writing

Task: Draft a Specific Aims page (NIH style)

- In groups of 5, participants identified a relevant NIH call
- Submitted for review from experts (Helena Kuivaniemi & Samantha Sampson)
- Feedback provided
- Participants re-submitted revised versions

**Genomic epidemiology of zoonotic and drug resistant *Salmonella* in sub-Saharan African countries: Kenya, Zambia, South Africa and Nigeria**

**Title: Genomic epidemiology of antimicrobial resistance in *Salmonella* isolates from Cameroon, Ghana, and Zambia**

***Topic:* Genomic Surveillance of Malaria/Bacteremia Coinfections in Africa**

# Future of Network (Ideas)

## Infrastructure

Have its own platform where members can network and have access to training materials



## Seed funding projects

Promote collaborations for AMR genomic surveillance across the continent



## Mentorship and career development

Keep providing members with training opportunities and guidance



## Reach

Support implementation of similar networks in other regions



Thank you