



Science Resources Africa

Impact Report – 2023-2024



Science Resources Africa
Building Science in Africa

Overview

- **Annual SRA Science Education Workshops**
 - SRA alumni
 - SLAWiSE team
- **SRA-Alumni led initiatives**
 - Kenema-STEM Philanthropic network
 - Greentech Bioenergy
- **RECAP/SLAWiSE/CAMAWiSE mentorship scheme**
 - Setup of research groups at the University of Sierra Leone: Global Health, Pharmaceutical Sciences, Infectious Disease Modelling, Maternal Health, Environmental Sciences, and Education Management
 - Sellu Academy: Mathematical modelling for surveillance
 - CRgap - Closing Research Gap among nurses and midwives in Nigeria and Uganda
- **SLAWiSE member led initiative**
 - Fridays for the future Sierra Leone
- **Institutional membership**
 - IPSN
 - Project ECHO

A note on acronyms

- *SRA: Science Resources Africa*
- *SLAWiSE: Sierra Leone Association for Women in Science and Engineering*

SRA Annual Education Workshop

SRA Alumni Outreach to Schools – 2023/24

To promote awareness of research and innovation among students, SRA alumni conducted school outreach activities during the 2023/24 academic year. This follows a successful mentoring programme, which has enabled alumni to take a leading role in facilitating the annual SRA workshops.



SRA Science Fair winners 2024

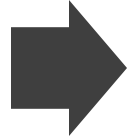


- **Annie Walsh Memorial School:** Mariam M. D. Afolabi, Augustina J. A. Vincent, and Medicia A. U. Sesay, for designing a low-cost water purification system.
- **St. Augustine Agricultural Senior Secondary School, Lungi:** Mohamed Harding Turay and Alusine Scientific Turay, for creating a smart, disability-friendly bed and a fuel-less generator.

SRA-Alumni led initiatives

Climate Change Activists/Environmentalists: SRA and SLAWiSE

Mrs. Florence Jenneh Sandy: SLAWiSE President, BSc (Hons) Physics,



Mr. Andrew Norma: CEO, Greentech Bioenergy, entrepreneur, innovator, SDGs enthusiast / SRA alum



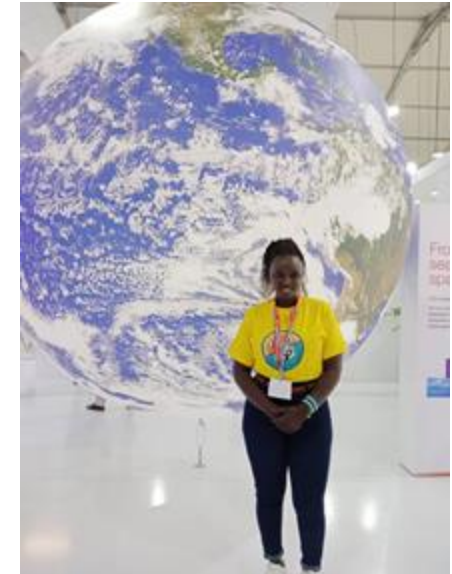
Ms. Roseline Mansaray: SLAWiSE PRO, advocate for women and girls, former SEforALL intern



Florence Sandy: Advocate for Sustainable Energy for All (SEforALL).



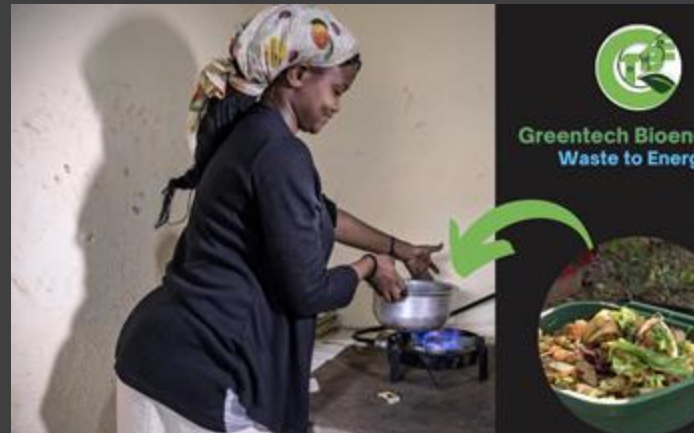
Andrew Norma: Champion of waste-to-clean-energy solutions.



Ms. Roseline Mansaray: Climate activist and conservationist.

SRA-Alumni led initiative:

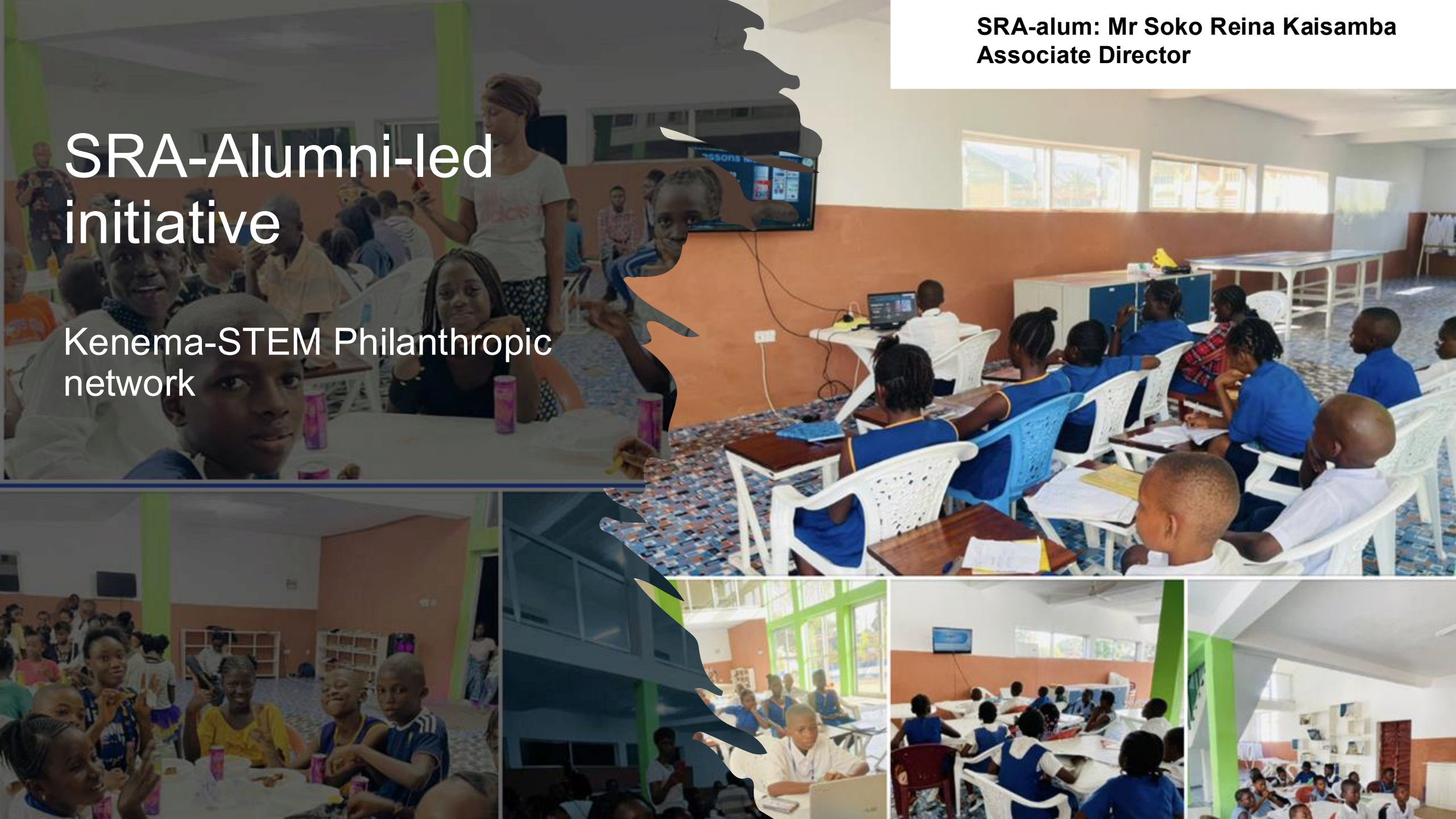
Greentech Bioenergy by Andrew Norma, CEO



SRA-alum: Mr Soko Reina Kaisamba
Associate Director

SRA-Alumni-led initiative

Kenema-STEM Philanthropic
network



RECAP mentoring and Research Capacity Strengthening

USL/SRA/SLAWiSE leadership programme
Sellu Academy, 23/24 by Dr Mohamed Sellu (SRA-alum)

The SRA's research leadership programme in Sierra Leone, supported by the research capacity strengthening initiative, ran workshops on leadership, grant writing, and communication (August 2021–January 2022), leading to six research streams—Global Health, Pharmaceutical Sciences, Infectious Disease Modelling, Maternal Health, Environmental Sciences, and Education Management.

Further support was provided through a mentoring phase (November 2021–October 2022) in collaboration with Cambridge Association of Women in Science and Engineering (CamAWiSE) and Sierra Leone Association of Women in Science and Engineering (SLAWiSE).



YEAR AGO



Empowering adolescent girls to avert teenage pregnancy and child marriage (Kambia, Portloko, Pujehun and Bonthe) with support from UNFPA.





SLAWiSE member led initiative: *Friday for futures Sierra Leone*

SLAWiSE PRO: Ms Roseline Mansaray

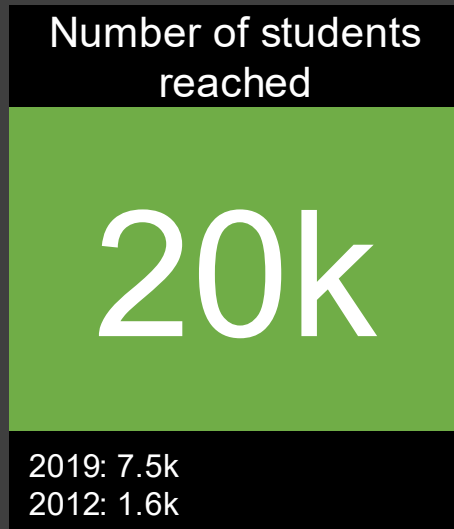
Institutional Membership

We are delighted to announce our membership with Project ECHO and WHO IPSN.



Expanding our reach

SRA has grown considerably over the past decade to advance quality STEM access and education across the globe



Updated Figure 2: Our long-term expansion goals

West Africa

Benin
Cape Verde
Côte d'Ivoire
The Gambia
Guinea
Guinea-Bissau

Liberia
Niger
Nigeria
São Tomé and Príncipe
Sierra Leone
Togo

 Existing presence

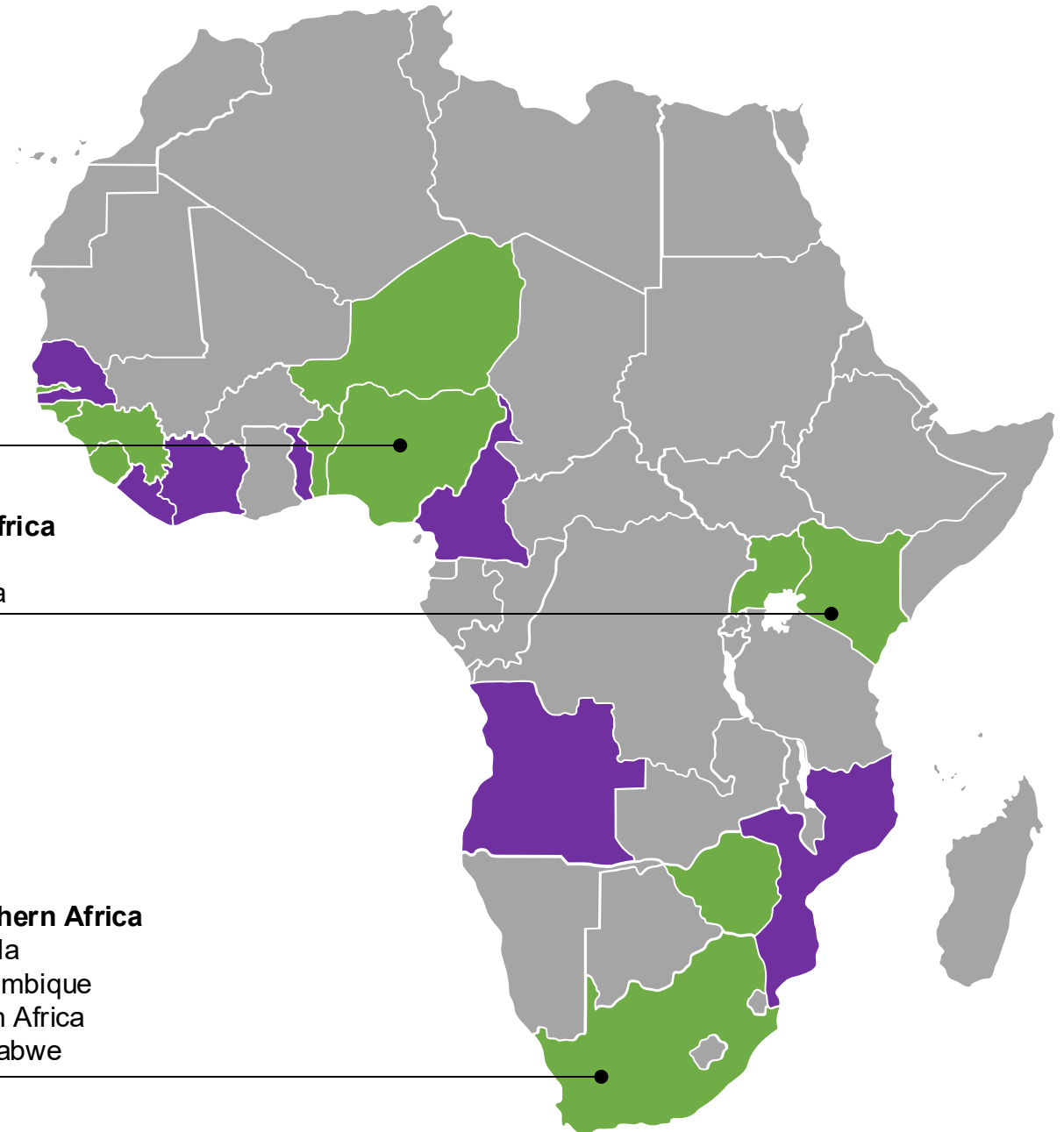
 Future presence

East Africa

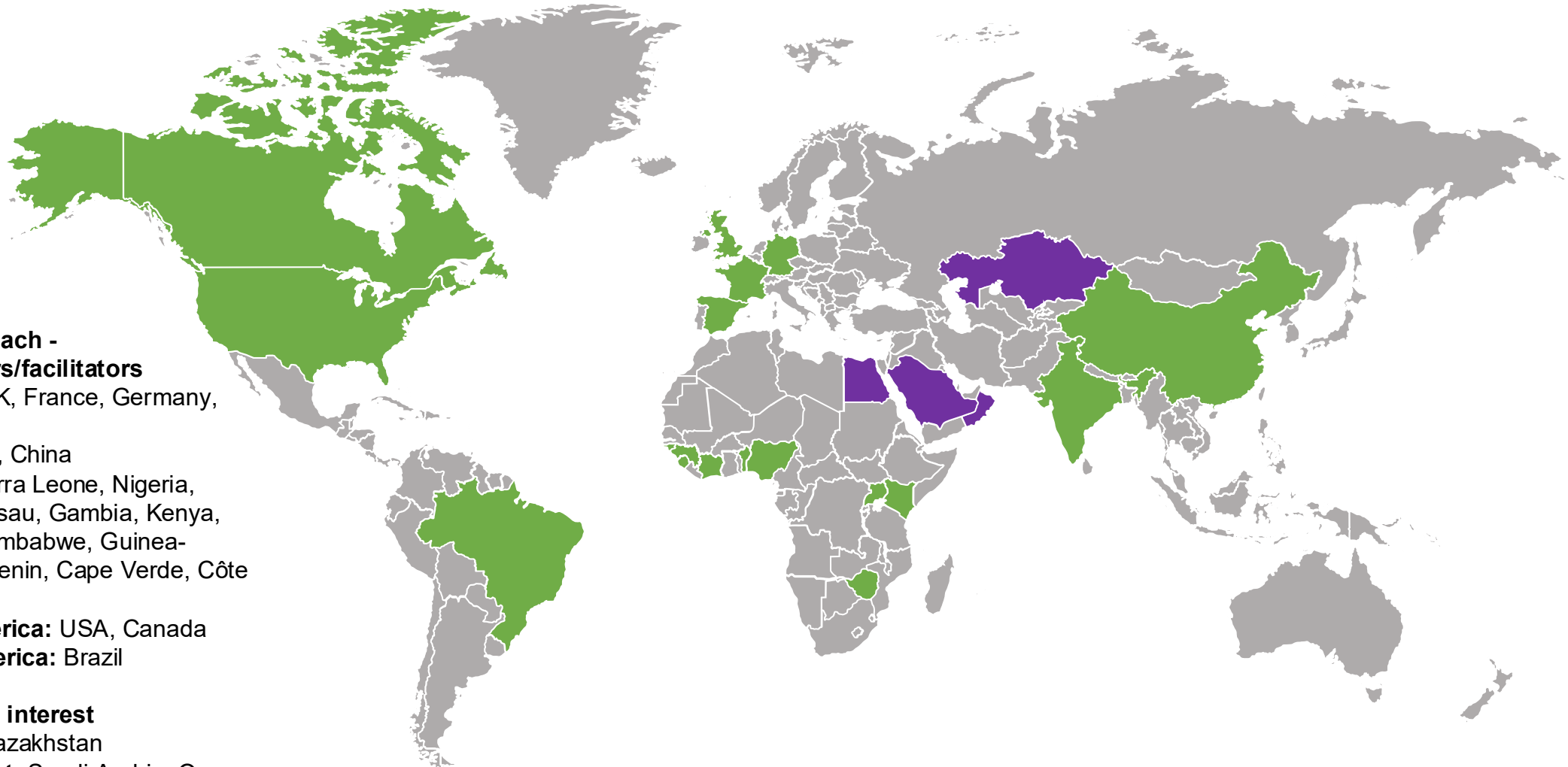
Kenya
Uganda

Southern Africa

Angola
Mozambique
South Africa
Zimbabwe



International collaborations



**Country reach -
researchers/facilitators**

Europe: UK, France, Germany, Spain

Asia: India, China

Africa: Sierra Leone, Nigeria, Guinea Bissau, Gambia, Kenya, Uganda, Zimbabwe, Guinea-Conakry, Benin, Cape Verde, Côte d'Ivoire

North America: USA, Canada

South America: Brazil

Expressed interest

Europe: Kazakhstan

Middle East: Saudi Arabia, Oman

Africa: Egypt, Sao Tome and Principe

Sierra-ECHO Tele-health and Mentoring

- The SRA mentoring programme has evolved from a 1:1 initiative at the country level to a partnership with the Cambridge-Association of Women in Science and Engineering and into a tele-health and mentoring programme (Sierra-ECHO) in collaboration with the Project ECHO initiative.
- Aims to address a wide range of pressing global challenges including:
 - Cancer
 - Climate change
 - Infectious diseases
 - Health systems strengthening
- **Vision:** To positively impact **1 billion lives worldwide in partnership with Project ECHO**, a global network which includes institutions across 50 countries and engages a community of over 1 million learners and educators worldwide—from Africa, India, Latin America, and the Asia-Pacific to Europe, the USA, and Canada.

Multi-sector Collaboration Driving Global Impact

The programme brings together:

- National governments
 - Academic and research institutions
 - Healthcare providers
 - Industry stakeholders
 - Non-governmental organisations (NGOs)
-
- Supports **capacity building, knowledge sharing, and innovation** in healthcare delivery.
 - **Opportunity:**
 - Leverage this existing global network for outreach, training, and early detection.
 - Tap into an established system with deep local engagement and global coordination.
 - Accelerate progress toward shared goals in cancer research and public health.

Thank you to our sponsors and partners!

