



2016 Meeting: A Celebration
April 19–22, 2016 | Hilton Nairobi, Kenya

This meeting celebrates the accomplishments of RISE and marks its transition to a new phase, as a fully Africa-owned initiative.

RISE was established in 2008 by the Science Initiative Group (SIG) at the Institute for Advanced Study in partnership with the African scientific community, with financial support from Carnegie Corporation of New York.

The goal from the beginning has been for SIG to see RISE through its incubator phase, and then turn it over to a secretariat in Africa. That time has come.

*Objectives for the current meeting are twofold:
for RISE scholars to share accomplishments and forge cross-network collaborations;
and for staff of potential new secretariats to learn as much as possible about the initiative.*

Tuesday, April 19

The RISE Student Experience: Discussions and Reflections
Amboseli Room

9:30–10:00	Registration
10:00–10:15	Words of Welcome Phillip Griffiths, SIG Berhanu Abegaz, AAS Mark Roberts, AIMS
10:15–10:35	Opening Remarks Tade Aina, Executive Director, PASGR; former Program Director, Higher Education and Libraries in Africa, Carnegie Corporation of New York
10:35–10:55	RISE Film Premiere Introduced by Sarah Rich, SIG
10:55–11:00	Introduction to Breakout Sessions Arlen Hastings, SIG Breakout Facilitator/Moderator: Benji Gyampoh, AAS
11:00–12:00	Breakout Sessions, Part I: Focus on Individual Accomplishments
12:00–12:15	<i>Break</i>

12:15–13:15	Plenary Session 1: Group Reports and Moderated Discussion
13:15–14:30	<i>Lunch Buffet, Traveler’s Restaurant</i>
14:30–15:30	Breakout Sessions, Part 2: Focus on Science as an Interdisciplinary Enterprise
15:30–15:45	<i>Break</i>
15:45–16:45	Plenary Session 2: Group Reports and Moderated Discussion
16:45–17:30	Announcement of AMMSI–Phillip Griffiths Prize & Travel Grant Winners Wandera Ogana, AMMSI
	Announcement of RISE Competitive Fund Winners Arlen Hastings & Sarah Rich, SIG
17:30–18:15	Networking & Light Refreshments
18:15	<i>Distribution of Dinner Vouchers for Traveler’s Restaurant</i>

Wednesday, April 20
 Network Presentations and Discussion of the Future of RISE
 Amboseli Room

9:00–9:15	Introduction to the RISE Network Presentations Phillip Griffiths, SIG
9:15–9:45	SABINA: Southern African Biochemistry & Informatics for Natural Products Network
9:45–10:15	WIO-RISE: Western Indian Ocean Regional Initiative
10:15–10:45	<i>Break</i>
10:45–11:15	SSAWRN: Sub-Saharan Africa Water Resources Network
11:15–11:45	AFNNET: African Natural Products Network
11:45–12:15	AMSEN: African Materials Science & Engineering Network
12:15–14:00	<i>Lunch Buffet, Traveler’s Restaurant</i>
14:00–15:30	Cross-Network Discussion Moderator: Phillip Griffiths, SIG
15:30	Networking/Free Time
19:00	<i>Group Dinner, Tsavo Room</i>

Thursday, April 21
Scientific Presentations by RISE PhD Graduates, Part I

9:15–9:30	Introduction , Phillip Griffiths (Amboseli Room)	
	Amboseli Room Morning Session Moderator: Thabiso Mohobane (SSAWRN)	Ivory Room Morning Session Moderator: John Mwero (AMSEN)
9:30–9:50	Jane Namukobe (AFNNET) Bioprospecting for Antimalarial Compounds from Medicinal Plants	Adewumi Isaac Popoola (AMSEN) What Are the Keys to Technological/ Scientific Advancements?
9:50–10:10	Moseki Motsholapheko (SSAWRN) Access to Water Resources and Household Vulnerability to Malaria in the Okavango Delta, Botswana	Benjamin Kumwenda (SABINA) Transcriptomic Analysis of Multi-Drug Resistant Non-Typhoidal <i>Salmonella typhimurium</i> Strains
10:10–10:30	Interactive Session , Amboseli Room	
10:30–10:50	Jane Tanner (SSAWRN) The Importance of Surface Water and Groundwater Interactions in Africa	Petrina Kapewangolo (SABINA) Scientific Validation of Herbal Medicine Used in the Management of HIV/AIDS
10:50–11:10	Davies Oladayo Folorunso (AMSEN) The Production of Insulating Firebricks Using Hydrometallurgically-Processed Clay	Patrick Ogwang (AFNNET) Effect of <i>Artemisia annua</i> L. Preparation on CD4 Cell Count of HIV Patients in Uganda
11:10–11:30	Interactive Session , Amboseli Room	
11:30–11:50	Kenneth Njoroge (AMSEN) Developing Simulation Tools for Research in Alloy Deformation and Degradation	John Odda (AFNNET) Evaluation of Methods Employed from Time of Collection to Time of Use of Selected Medicinal Plants Used for Treating Malaria Fevers in Tororo District: A Stepping Stone to Standardization of Anti-Malarial Herbs in Uganda
11:50–12:10	Faith Mabiki (AFNNET) STEM for a Revolution in Indigenous Knowledge and Technology (IKT) for Livelihood Transformation in Tanzania	Nqobizitha Siziba (SSAWRN) Ecological Response of Macro-Invertebrates in Urban Wastewater Dominated Tropical Riverine Systems
12:10–12:30	Interactive Session , Amboseli Room	
12:30–14:00	<i>Lunch Buffet</i> , Traveler’s Restaurant	AAS/AIMS Closed Session with selected RISE scholars

Amboseli Room

Afternoon Session Moderator:
Sithabile Tirivarombo (SSAWRN)

Ivory Room

Afternoon Session Moderator:
Agostinho Vilanculos (SSAWRN)

14:00–14:20	Paul Mensah (SSAWRN) Ecotoxicology and Environmental Health Research at the Institute for Water Research, Rhodes University	Joseph Nguta (AFNNET) Bio-Guidance: Towards Isolation of Antimycobacterial Compounds from <i>Solanum torvum</i> Sw. / (Solanaceae) Leaves
14:20–14:40	Irene Kamanja (AFNNET) Development of Samburu <i>Clerodendrum myricoides</i> for Management of Sexually Transmitted Diseases	Siajali Pamba (WIO) Hydrodynamic Modeling on Transport, Dispersion and Deposition of Suspended Particulate Matter in Pangani Estuary, Tanzania
14:40–15:00	Interactive Session, Amboseli Room	
15:00–15:20	Nelson Odume (SSAWRN) An Ecosystem-Based Approach to Sustainable Management of Water Resources: Implications for Policy and Practice	Majuto Manyilizu (WIO) Using a Modeling Approach to Study Inter-Annual Variability in the Tropical Western Indian Ocean
15:20–15:40	Adenike Olaseinde (AMSEN) Electrochemical Study of Selected Alloys in Simulated Acid Rain and Acidic Environments	Immaculate Nakalembe (AFNNET) East Africa's Mushrooms: A Neglected Bioresource and Profound Super Creation
15:40–16:00	Interactive Session, Amboseli Room	
16:00–16:20	Fialho Nehama (WIO) Assessing the Effectiveness of Mangrove Restoration to Mediate Flooding on the Quelimane Site, USAID Coastal City Adaptation Project, Mozambique	Isiaka Oluwole Oladele (AMSEN) Evaluation of the Effect of Mercerized White Chicken Feather Fiber on the Mechanical Properties of High-Density Polyethylene-Based Composites
16:20–16:40	Aramide Fatai Olufemi (AMSEN) Development and Characterization of Mullite-Zircon-Zirconia Refractory Ceramic Composite from Some Clay Deposits in Southwest Nigeria	Rebecca Nalubega (AFNNET) <i>Lantana trifolia</i> and <i>Sida cuneifolia</i> Extracts Are Active Against Common Poultry Disease-Causing Organisms
16:40–17:00	Interactive Session, Amboseli Room	
17:00	<i>Distribution of Dinner Vouchers for Traveler's Restaurant</i>	

Friday, April 22

Scientific Presentations by RISE PhD Graduates, Part II Amboseli Room

9:00–9:10	Introduction Phillip Griffiths, SIG
9:10–9:30	Cosmas Muiva (AMSEN) CuO Nanostructures Synthesized by Chemical Bath Deposition on Seed Layers Deposited by SILAR and CSP Techniques
9:30–9:50	Dorothy Nampanzira (AFNNET) Building Resilient Small Holder Rural Livelihoods: The Role of Natural Products
9:50–10:10	<i>Break</i>
10:10–10:30	Krasposy Kujinga (SSAWRN) Household Water Security in Different Settlement Categories of Ngamiland, Botswana
10:30–10:50	Grace Mutia (WIO) Potential for Utilization of Seaweeds in Aquaculture Feeds
10:50–11:10	Justin Omolo (SABINA) Research on Tanzanian Medicinal Plants Currently Used by Traditional Healers for the Treatment of HIV and Other Diseases
11:10–11:20	Closing Remarks Phillip Griffiths, SIG
11:30	<i>Lunch Buffet, Traveler’s Restaurant</i>
12:00	<i>Attendees Departing on Afternoon Flights: Leave for Airport</i>