



**3rd YOUNG EARTH SCIENTISTS
(YES) CONGRESS**

*"Bridging Geo-Generation Into
Global Earth Sciences Integration"*

**25th COLLOQUIUM
OF AFRICAN GEOLOGY
(CAG 25)**

**15th Congress of
Geological Society of Africa
(GSAF 15)**

*"Earth Sciences for Improving
Livelihood in Africa"*

**MIWALIMU JULIUS NYERERE INTERNATIONAL CONVENTION CENTRE (MJNICC)
DAR ES SALAAM, TANZANIA**

11th – 16th, August 2014
www.yescongress.org/2014
www.cag25.or.tz



**SECOND CIRCULAR
&
CALL FOR SESSIONS AND PAPERS**

YES
Network



Organized by:

Young Earth Scientists Network Tanzania National Chapter & Tanzania Geological Society (TGS) on behalf of World Young Earth Scientists (YES) Network and the Geological Society of Africa (GSAf).

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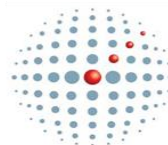
**The Ministry
of Energy and Minerals
United Republic of Tanzania**



UNESCO NATIONAL COMMISSION OF UNITED
REPUBLIC OF TANZANIA



Energising Rural Transformation



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Message from the Chairman of the Organizing Committee:



With the release of this Second Circular another milestone in the organization and development of both 3rd Young Earth Scientists Congress and 25th Colloquium of African Geology-CAG25 is achieved.

This Circular announces important information that delegates will need to plan and arrange their participation in our coming events here in Dar es Salaam, Tanzania. The full schedule of registration fees is released in this circular and delegates may now register using printable registration forms from our websites: www.cag25.or.tz and www.yescongress.org/2014.

Expanded field trip information is now available, including days of each tour.

Major progress has been made with the scientific program with the announcement of the plenary sessions in this circular as well as information on professional development workshops, short courses trainings and an updated scientific program.

The Organizing Committee is very much aware of the economic challenges facing many delegates and every effort has been made to keep registration fees as low as possible. We invite all of you to this international geosciences community to accept our invitation to our events – this is a once in a lifetime opportunity to come in the “Land of Kilimanjaro and Zanzibar” to participate in an exciting scientific program covering the breadth of the geosciences, to experience fascinating geological features in the field, to network with the cream of the international geosciences community, and to hold your business meetings. Whether you are from industry, government or academia, you will find a full and interesting program within the 3rd Young Earth Scientists Congress and the 25th Colloquium of African Geology.

We must again thank most sincerely the many members of the geoscientific communities around the world who have contributed greatly to the organization of these events. We sincerely hope that you will be able to join us for the 3rd Young Earth Scientists Congress and the 25th Colloquium of African Geology and we look forward to welcoming you in Dar es Salaam this August, 2014.

Prof. Abdulkarim H. Mruma

A handwritten signature in blue ink, appearing to be 'A. Mruma', written in a cursive style.

Chairman National Organizing Committee

Table of Content

INTRODUCTION.....	4
Young Earth Scientists (YES) Network.....	4
a) The First World Young Earth Scientists Congress	4
b) The Second World Young Earth Scientists Congress	4
Colloquium of African Geology (CAG):	5
3rd World YES Congress and 25th CAG	5
OPENING CEREMONY	7
3rd YES CONGRESS	7
Abstract Submission for 3 rd YES Congress	11
Virtualization of Roundtables for YES Congress	15
Webinar Meeting for YES Congress.....	16
Proposed schedule for Young Earth Scientists Congress 11th to 14th August, 2014	16
25 th COLLOQUIUM OF AFRICAN GEOLOGY (CAG 25)	17
Oral and Poster Presentations	17
Abstract Submission for CAG25	20
Plenary Presentations:.....	20
Proposed Schedule for the Colloquium of African Geology 14 th – 16 th August 2014.....	26
POSTER SESSION	27
ABSTRACT FORMAT	27
Commercial exhibitions and Business Expo:.....	28
Pre-and Post-Events Excursions.....	28
Tourism Package	28
Registration	29
Conference Registration Fees in USD:.....	29
IMPORTANT DATES AND MILESTONE	30
CORRESPONDANCE	30
FUNDING CHANCES.....	31
Sponsorship for Young Students.....	31
Organizational Sponsorship.....	32
TRAVEL, LODGING AND ACCOMMODATION	32
Local Climate	32
How to get VISA.....	32
How to reach MJNI Convention Centre.....	33
Accommodation Information	33
ORGANIZATION AND COMMITTEES	33
Advisory Committee (AC)	33
International Organizing Committee (IOC)	36
National Organizing Committee (NOC)	39
SUGGESTED FIELD TRIPS	40

INTRODUCTION

Young Earth Scientists (YES) Network

The Young Earth Scientists (YES) Network is an international association of young geologists (primarily under the age of 35 years) and early career Earth Scientists from geosciences organizations, universities and companies around the world. The YES Network was formed as a result of the International Year of Planet Earth (IYPE) in 2008. The YES Network aims to establish an interdisciplinary global network of individuals committed to solve these challenges, and furthering the IYPE motto of "Earth Sciences for Society". The Network has over 3000 members from over 144 countries across the globe. We also have formal National Committees in 44 countries. YES members are those who are doing research pertaining to environmental and/or geoscience-related issues, and are either in school or junior experts of their careers.

a) The First World Young Earth Scientists Congress

The First World Young Earth-Scientists (YES) Congress was held at the China University of Geosciences, Beijing. The conference with the theme of "Young Earth Scientists for Society", under the patronage of UNESCO, IUGS, was also part of the International Year of Planet Earth (IYPE) outreach program to young scientists. The YES Congress gathered strong support from the international earth scientific organizations such as EGS, GSL, AGI, GSC and so on, with more than 380 young earth-scientists from 38 countries around the globe and more than 200 virtual participants. Its first funding support was from Geological Survey of Norway, There were a number of senior experts from different countries who were invited to make presentations at the Opening Ceremony and also at the roundtable symposia.

b) The Second World Young Earth Scientists Congress

The Second YES Congress was held at the Brisbane Convention and Exhibition Centre, Australia in conjunction with the 34th International Geological Congress. The conference was financially supported by BHP Billiton and the Geohost Program of IUGS. It consisted of several roundtables that took place mostly in the evenings to allow YES members to participate in the 34th IGC events during the day. The roundtable topics included "How can Geoscientists Best Engage with the Public and High School Pupils"; "Engaging

with policy makers: A YES legacy"; "Education and Outreach in Polar Science", "Emerging Geosciences Themes and the Role of the YES Network", "Women in Geosciences", and "Professional Development - International Skill Recognition". We also hosted a Science Communication Workshop on the final day of the congress, which was very successful, with over 700 participants from all over the world.

Colloquium of African Geology (CAG):

The "Colloquium of African Geology" (CAG) is a major biennial meeting organized under the auspices of the Geological Society of Africa (GSAf). Since the first Colloquium in 1965, the Colloquia have been hosted by several European and African countries. The African countries that had a chance to organize this event were Swaziland, Zimbabwe, Morocco, Mozambique, Tunisia, South Africa and Ethiopia.

Based on the decision of the Geological Society of Africa (GSAf) General Assembly held on 14th January 2013 at the Millennium Hall, Addis Ababa, Ethiopia (during the 24th Colloquium), the organization of the subsequent Colloquium of African Geology (CAG25) and the 15th Conference of the Geological Society of Africa was assigned to Brazil. However, because of administrative problems in organizing the 25th CAG along with the Brazilian Geological Society Conference in September 2014, the GSAf Council members decided to move the CAG25 to another country. Based on the discussion between Prof. Aberra Mogessie (President of the Geological Society of Africa) and Prof. Sospeter Muhongo, Minister of the Ministry of Energy and Minerals of the United Republic of Tanzania, in Graz Austria, in August 2013 it was decided to organize the CAG25 back to back with the 3rd YES Congress in Tanzania. This decision was approved by the GSAf Council members. The CAG25 is an independent meeting which will be organized by the Tanzania Geological Society (TGS) under the auspices of the GSAf.

3rd World YES Congress and 25th CAG

The 3rd Young Earth Scientist Congress and 25th Colloquium of African Geology-CAG25 will be conducted at the Mwalimu Julius Nyerere International Convention Centre in Dar es Salaam, Tanzania from 11th - 14th August 2014 and 14th -16th August 2014, respectively. Both events will be organized jointly by the Tanzania YES National Chapter and the Tanzania

Geological Society in cooperation with governmental and non-governmental organizations under the auspices of the YES Globally, Geological Society of Africa (GSAf), and other development partners. The theme for the 3rd YES Congress is “**Bridging Geo-Generation into Global Earth Science Integrations**” whereas the theme for the CAG25 is “**Earth Sciences for Improving Livelihood in Africa**”.

Both events focus on the need of achieving sustainable development by promoting sustainable management of Earth resources for inclusive and equitable economic growth as well as creating greater opportunities for all. This could be achieved through enhancing an active participation of geoscientists in decision-making processes on issues related to the earth resources exploration and extraction.

The senior and early-career earth scientists from organizations, associations, mining companies, civil societies, decision makers, and media will be welcome from all over the world. The members, delegations from each National Commissions for UNESCO will also be invited, especially the new career scientists from African countries, South America and other developing areas. These representatives will be from different countries and will also be active at the national level. The participation of these individuals from different sectors and countries will enhance international collaborations and increase the involvement of the international community. The estimated participants will range from 300 to 600.

The websites for both events are www.cag25.or.tz and www.yescongress.org/2014

OPENING CEREMONY

It is intended that His Excellency the President of the United Republic of Tanzania Dr. Jakaya Mrisho Kikwete be the guest of honor for both events. In addition, during the Opening Ceremony, we will invite the special invitees from Ministry of Energy and Minerals-Tanzania, Ministry of Natural Resources and Tourism-Tanzania, Ministry of Science and Technology-Tanzania, Ministry of Education and Vocational Training, State Ministry of Environment – Vice President Office (Tanzania), Geological Survey of Tanzania-GST, Tanzania Petroleum Development Corporation, State Mining Corporation, Tanzania Chamber of Minerals and Energy, Commission for Science and Technology-COSTECH, UNESCO National Commission of Tanzania, Geological Society of Africa-GSAf, Geological Information for Africa – GIRAF, President of the International Union of Geological Sciences-IUGS, International Union of Geodesy and Geophysics -IUGG and all other important geosciences organizations, Ministers from each country, and all earth scientists to attend. They will be invited to address onsite. There will be a short presentation from young earth scientists representing different countries.

3rd YES CONGRESS

Oral and Poster Presentations

Oral and poster sessions will be focused on the following themes of the congress:

Theme 1. Geoscience for Society

Supervisor: Dr. Enas Ahmed-EMRA, Egypt. (enas_ahamed@yahoo.com)

Conveners: Cecilia Mukosi-Council for Geoscience, South Africa.

(ncmukosi@gmail.com)

Dr. Sarah Gaines-Geoscience Department, UNESCO.

(s.gaines@unesco.org)

John Kalimenze-Geological Survey of Tanzania. (jokakally@yahoo.com)

Dr. Abdelouahed Lagnaoui-Chouaïb Doukkali University, Morocco.

(abdelouahedlagnaoui@yahoo.fr)

Dr. Amel Barich- Instituto Andaluz de Ciencias de la Tierra, Spain

(amel.barich@gmail.com)

Sub Themes:

- a) Geoethics, Geoculture, Art and Education.
- b) Gender Mainstreaming in Geosciences.
- c) Media and Geotourism role in protection of the environment and Promoting Heritages and Culture.
- d) Medical Geology for Sustainable Development.
- e) Agro-Geology for increasing Agricultural yields.
- f) Investment in the Extractive Industry- Policy/Legislations/Governance, Best Practice, Opportunities, Challenges and Local Content.
- g) Forensic Geoscience.
- h) Earth Sciences Education and Policy for Sustainable Development.
- i) Small Scale Mining: Prospects, Challenges, and Opportunities towards Sustainable Use.
- j) Paleontology, biodiversity and climate change.

Theme 2. Geology and Mineral Resources

Supervisor: Dr. Nelson Boniface-University of Dar es Salaam, Tanzania
nelson.boniface@udsm.ac.tz
Tity Kalegamire-RandGold Resources/Kibali Gold Mines, Democratic Republic of Congo, (Tity.kalegamire@kibaligold.com).

Conveners: Dr. Amel Barich- Instituto Andaluz de Ciencias de la Tierra, Spain
amel.barich@gmail.com
Dr. David Govoni (UNICALCE Group, Italy)
Dr. Meng WANG (China Minmetals Group),

Sub Themes:

- a) Earth Resources for Future Generation.
- b) Success of Integrated G3 (Geology, Geophysics and Geochemistry) approaches.
- c) Precambrian Geology, Petrology and geochemistry.
- d) Phanerozoic Geology, Petrology and geochemistry.
- e) Geology and Geophysics of the East African Rift System.
- f) Mineral Deposits and Ore Forming Processes.

Theme 3. Environment, Hydrogeology and Climate Change

Supervisor: Dr. Tanvi Arora-National Geophysical Research Institute, India.
(tanvi.gpy@gmail.com)

Conveners: Prof. Huaming Guo-School of Water Resources and Environment, China University of Geosciences, Beijing) (hmguo@cugb.edu.cn).
Sylvester Chaisamba-Tanzania Meteorological Agency, Tanzania.
(sylgster2000@yahoo.com)

Sub Themes

- a) Hydro-Geo-Research (Based on the theme that UNESCO is celebrating Year of International cooperation for Groundwater and food Security).
- b) Impacts of Climate changes and adaptability.
- c) Groundwater resources and Sustainable Management.
- d) Geo-engineering "Climate and Human Settlements".

Theme 4. Energy Resources

Supervisor: Yayey Deselageny –University of Addis-Ababa, Ethiopia
(desalegny@gmail.com)
George Beneth- University of Ghent, Brussels, Belgium
(karangebennett@hotmail.com)

Conveners: Prof. Romanus Ishengoma-CAMCO Clean Energy
(ishengomarc@yahoo.com)
Jeff Felten-CAMCO Clean Energy (jeff.felten@camcocleanenergy.com)
Nangware Msofe-Open University of Tanzania. (kizemso@yahoo.com)
Bahati Mohamed-Schlumbeger Tanzania (Bmohammeed4@slb.com)

Sub Themes

- a) Fossil Fuel: Reserves and Development Techniques.
- b) Petroleum Systems and Exploration.
- c) Geothermal Resources.
- d) Biomass Energy in Tanzania.
- e) Nuclear Energy and Resources.
- f) Clean Energy Options.

Theme 5. Tectonics and Geohazards

Supervisor: Dr Diko, M.L-University of Limpompo, South Africa (dikom73@gmail.com)

Conveners: Michael M. Msabi-University of Dodoma, Tanzania. (mmsabi@yahoo.com)
Asfew Erbelo-Adama Science and Technology University, Adama, Ethiopia (asfewmesi@gmail.com)
Lwanga Edrine-Gelogy Department-Makelele University, Uganda (ledrinson123@gmail.com)

Sub Themes

- a) Geological Events and Basins Development (Big Geological Event on Mesozoic structures in Asian Continent).
- b) Understanding and Adaptation (Earthquakes, Volcanoes, Natural Radiations, Tsunami: understanding, adaptation and resilience).
- c) Human-induced environmental hazards and disasters.

Theme 6. Geoinformatics applications for Earth Science (Geology, Natural resources, Disaster management, Environmental management)

Supervisor: Dr. Ciro Manzo-Centre for Geotechnologies Siena University, Italy (manzociro@gmail.com)

Conveners: Ashvin Wickramasooriya-University of Peradeniya, Sri Lanka (awickramasooriya@gmail.com)

Sub Themes

- a) Information Communication Technology (ICT) and Geosciences.
- b) Tools – Software, Hardware, Open Source.
- c) GIS and Remote Sensing.
- d) Spatial data infrastructure.

All sub-themes are allowed to have several sessions with conveners. Interested candidates, wishing to set up session, please send email with session's name, themes, short introduction, conveners' names, contacts (organizations, and email addresses to amel.barich@gmail.com and sylgster2000@yahoo.com).

The deadline for session submission is 15th March 2014.

Abstract Submission for 3rd YES Congress

All abstracts will be reviewed and accepted by the scientific committee, and successful candidates will be notified. Early career earth scientists with the best abstracts will be sponsored to attend the congress (depending on availability of funds). With approval of the authors, selected abstracts will be submitted for publication (Episodes and other International good indexed Journals). YES Bulletin will be also published in paper for the full scientific papers selected from outstanding young scientists.

Abstracts will be accepted for either oral or poster presentation. Please indicate your preference when submitting. Abstracts are to be submitted by e-mail as an attached file in Word format to the Conference Secretariat at the following e-mail addresses yesabstract2014@gmail.com.

The deadline for abstract submission is **10th April 2014**.

Acceptance will be decided by the **20th April 2014**.

Workshop, Short Training, Roundtable and Business Meetings for YES Congress:

Different Organizations in collaboration with the organizing committee are developing Short Trainings and Workshops which aim to equip young earth scientists with extensive knowledge in different fields of Earth sciences. The workshops are being scheduled to be held during or immediately after the congress. The organizing committee is reasonably confident that support will be confirmed for each of the training and workshops, listed below. The final list of trainings and workshops will be provided in the Third Circular.

TW1: Geoparks, Geotourism and Geoconservation for Sustainable Development of Africa.

Conveners: Dr. Enas Ahmed (EMRA, Egypt),
Cecilia Mukosi (CGS, South Africa)

Co-conveners: Sarah Gaines (UNESCO),
Joshua Mwankunda (Ngorongoro Conservation Area Authority),
John Kalimenze (Geological Survey of Tanzania).

The workshop aims at drawing together both local and international experts in sharing their experiences and ideas that eventually help formulating a plan for Africa in the development of geoparks, geotourism and geoconservation. All participants are welcome, particularly for young geoscientists who are from the African countries are encouraged to participate in the workshop to promote the development of African countries to conduct partnerships with geotourism market and sustainable development. We invite young scientists to submit papers for this session who are involved in protection of environment, heritage and geopark. The workshop offers many opportunities to learn about how to locate, establish and conserve these geosites and develop it and some lectures be presented through webinar.

TW2: Petroleum Exploration, Development and Technology

Conveners: Dr. Hou Lianhua (Research Institute of Petroleum Exploration & Development, PetroChina)

Co-conveners: Dr. Mo weijian (Shell),
Dr. Linhua Guan (Statoil),
Dr. Yang Fan (Research Institute of Petroleum Exploration & Development)
Dr. Wan Lunkun (Research Institute of Petroleum Exploration & Development)

Study on petroleum exploration & development theories, methods and new technologies, successful cases analysis. Research directions include ocean, marine, continental and unconventional hydrocarbon. Research contents are involved in hydrocarbon generation, reservoir, accumulation, hydrocarbon resource potential, basin analysis, oilfield development and EOR, rock physics and geophysics, rock mechanics and reservoir stimulation, experimental analysis technologies, economic evaluation and energy policies, petroleum development direction, successful cases of petroleum exploration and development, etc..

TW3: International Geochemical Mapping and African Geochemical Baselines

Conveners: Wang Xueqiu (Institute of Geophysical and Geochemical Exploration, CAGS)

Co-conveners: Huang Yongjian (China University of Geosciences, Beijing),
Prof. Abera Mogessie (Institute of Earth Sciences, University of Graz)
Ms. Elyvin Nkhonjera (University of Malawi).

On the basis of the progresses of the International Geochemical Mapping and Global Geochemical Baselines, and the word-leading professional experiences on regional-, national- and global-scale geochemical mapping projects in China, within the framework of YES Network, this workshop financially supported by the IUGS/IAGC Working Group on Global Geochemical Baselines and the China Geological Survey will give a short course on multi-scale geochemical mapping and global geochemical baselines. All participants are welcome, particularly for young geoscientists who are from the African countries are encouraged to participate in the workshop to promote the development of partnerships with African countries to conduct geochemical mapping and geochemical baseline studies.

TW4: Applications of GIS and Remote Sensing in Earth Sciences

Convener: Mr. Ashvin Wickramasooriya (University of Peradeniya, Sri Lanka)

Co-convener: Dr. Ciro Manzo (Institute of Atmospheric Pollution Research, National Research Council, Italy)

Today Geographical Information Systems (GIS) and Remote Sensing techniques are widely used as a decision making supportive tool in multidisciplinary areas. This session focuses on utilization of Geoinformatics in Earth Sciences related disciplines such as natural hazards, mineral exploration, disaster management, natural resources management, geomorphological mapping, structural geology, environmental geology, etc. We invite young scientists to submit papers for this session who are engaging research related to GIS and Remote Sensing in Earth Sciences.

TW5: Ichnology and Ichnotaxonomy of the Terrestrial ecosystems

Convener: Mr. Abdelouahed Lagnaoui, Chouaïb Doukkali University, Morocco; Arabian Scientific Research Organization (ASRO)

This workshop will focus on ichnology and ichnotaxonomical definitions and principles of Vertebrate and Invertebrate ichnofossils and reconnaissance of outcrops/quarries of classical localities of the continental ichnosite of North Africa. The main objective of this workshop is to discuss the current problems and future of the vertebrate and invertebrate ichnotaxonomy of the continental ecosystems. This workshop will cover the chronobiostratigraphic and paleobiogeographic interest of vertebrate and invertebrate Paleolithic. The workshop offers many opportunities to learn the principles of Ichnology and Ichnotaxonomy.

TW6: Geo-science art show and Geo-science art Film Premiere

Convener: Zhao Chuang (Peking Natural Science Organization)

Co-convener: Li Jun Hu and Yang Yang (Peking Natural Science Organization)

Geo-art working group from Peking Natural Science Organization in collaboration with YES Network are planning to host two theme activities at the meeting site and the theme is about Reconstruction of Lost Lives on Earth. Geo-science art show is a show of the past story- the art world of feathered dinosaur fossil. There will be a display to 20 pieces of painting and 3 small dinosaur statues created by science artist Zhao Chuang, which reveals the significant discovery of feathered dinosaur fossil in west Liaoning, China. Geo-science art Film Premiere will explain about the revival of the lost life. This is a story of young science artists in YES network. The hero is science artist Zhao Chuang and the heroin is popular science writer Yang Yang. The film talks about how the two young persons have globally searched for life traces and strength to reconstruct the lost life on earth through scientific and artistic way.

TW7: Fossil Lagerstätten and Biodiversity through Time

Convener: Dr.WANG Yongdong- Nanjing Institute of Geology & Palaeontology Chinese Academy of Sciences

Co-Convener: Dr.LIN Ribai- Nanjing Institute of Geology & Palaeontology Chinese Academy of Sciences

Dr. LIU Jun (Ph.D., Professor)-Institute of Vertebrate Palaeontology & Palaeoanthropology, Chinese Academy of Sciences

This session will discuss recent progresses on the systematic and taxonomic diversity of various Fossil Lagerstätten in geological history, such as Chenjiang, Burgess, Jehu and Messel, etc. The presentations may cover a variety of fossil categories ranging from invertebrate, vertebrate, floral and microfossils. The discussion of this session will display diverse life forms in fossil lagerstätten, and will be helpful for further exploring the variation and evolution of life through time.

Roundtable Sessions for YES Congress:

There shall be eight roundtables to foster a prominent conversation between science, policy and society, which will engage Earth scientists both as presenters and participants. Recommendations based on roundtable and working group discussions shall help to establish the role of the YES Network in the international Earth sciences community. Thus, the goal of each roundtable will be to propose specifications and tasks for the YES Network. Proposed Roundtables themes are:

- a) Earth Resources and African Development: Prospects, Challenges and Opportunities;
- b) Geosciences Training “Participation of Youth in Earth Science; Challenges, Opportunities and Way forward”
- c) Oil and Gas Discoveries in Africa “Emerging Economy”
- d) Global Environmental Challenges.
- e) Polar Research highlights (Joint event with APECS).
- f) Geoscientific challenges in the 21st Century.
- g) BRIDGES Project: Bridging Geo-Generation into Global Earth Science Integrations
- h) The Role of YES Network (Success, Challenges and Way forward).

The access to the roundtable rooms will be open to all registered participants of the congress.

Virtualization of Roundtables for YES Congress

There will be a virtual component to the roundtable sessions for those participants who will not be able to join the event in person. Virtual participants will need to register in advance on the event website in order to download visual and the audio contents. The presentations will be hosted via an online data distribution provider so that they can be downloaded during the week prior to the event. During the presentations, remote participants will

be able to listen to the live audio and the pre-recorded video and slide presentations. After the presentations, there will be an interactive component during the Panel discussions.

Webinar Meeting for YES Congress

With the support of the American Geological Institute-AGI, the event will have a webinar service for all people who can't attend the meeting onsite.

Proposed schedule for Young Earth Scientists Congress 11th to 14th August, 2014

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY
0830-1015	Opening ceremony	Scientific Program Session 4	Scientific Program Session 8	Closing Session of YES and opening Session of CAG
1015-1045	Break Posters	Break Posters	Break Posters	
1045-1230	Scientific Program Session 1	Scientific Program Session 5	Scientific Program Session 9	
1230-1400	Plenary Session Lunch	Plenary Session Lunch	Plenary Session Lunch	
1400-1545	Scientific Program Session 2	Scientific Program Session 6	Scientific Program Session 10	
1545-1615	Break Posters	Break Posters	Break Posters	
1615-1800	Scientific Program Session 3	Scientific Program Session 7	Scientific Program Session 11	
1800-1900	Poster session	Poster Session	Poster Session	
1900-Onwards	Evening program Including Business Meetings	Evening program Including Business Meetings	Evening program Including Business Meetings	

25th COLLOQUIUM OF AFRICAN GEOLOGY (CAG 25)

Oral and Poster Presentations

Oral and poster sessions will be focused on the following themes of the congress:

Theme 1. Geoscience for Society

Supervisors: Dr Isaac Marobhe- University of Dar es Salaam, Tanzania
(muneji.marobhe316@gmail.com)
Prof. Lopo Vasconcelos- Eduardo Mondlane University, Mozambique
(lopovasconcelos@gmail.com)

Sub Themes:

- a) Geoethics, Geoculture, Art and Education.
- b) Gender Mainstreaming in Geosciences.
- c) Geoparks and Geotourism for Promoting Earth Heritage and Culture.
- d) Medical Geology for better health.
- e) Agro-Geology for increasing Agricultural yields.
- f) Investment in the Extractive Industry- Policy/Legislations/Governance, Best Practice, Opportunities, Challenges and Local Content.
- g) Forensic Geoscience.
- h) Earth Sciences Education and Policy for Sustainable Development.
- i) Small Scale Mining: Prospects, Challenges, and Opportunities towards Sustainable Use.

Theme 2. Geology and Mineral Resources

Supervisors: Prof. Felix Toteu- Earth Sciences Unit, UNESCO Nairobi, Kenya
(sf.toteu@unesco.org)
Dr Shukrani Manyamba- University of Dar es Salaam, Tanzania
(shukrani73@yahoo.com)
Dr. Paschal Semkiwa- Geological Survey of Tanzania, Tanzania
(psemkiwa@yahoo.co.uk)

Sub Themes

- a) Earth Resources for Future Generation.
- b) Success of Integrated G³ (Geology, Geophysics and Geochemistry)

approaches.

- c) Precambrian Geology, Petrology and geochemistry.
- d) Phanerozoic Geology, Petrology and geochemistry.
- e) Geology and Geophysics of the East African Rift System.
- f) Mineral Deposits and Ore Forming Processes.

Theme 3. Environment, Hydrogeology and Climate Change

Supervisors: Prof. Hudson H. Nkotagu-University of Dar es Salaam, Tanzania
(nkotaguh@yahoo.com)
Prof. Pius Yanda- University of Dar es Salaam, Tanzania
(pyanda@gmail.com)
Prof. Theo Davies- University of Venda, South Africa
(daviestheo@hotmail.com)
Dr Dalaly Kafumu- Ministry of Energy and Minerals of Tanzania
(kafumu@yahoo.com)

Sub Themes

- a) Hydro-Geo-Research (Based on the theme that UNESCO is celebrating Year of International cooperation for Groundwater and food Security).
- b) Natural resources resilience to Climate Change Impacts.
- c) Groundwater resources and Sustainable Management.
- d) Geo-engineering "Climate and Human Settlements".

Theme 4. Energy Resources

Supervisor: Dr Meshack Kagya- Tanzania Petroleum Development Corporation
(mkagya.tpdc@raha.com)
Dr Zibisani Bagai- University of Botswana (bagaizb@mopipi.ub.bw)
Dr Hudson wellington- Tanzania Petroleum Development Corporation
(hwellington.tpdc@raha.com)

Sub Themes

- a) Fossil Fuel: Reserves and Development Techniques.
- b) Petroleum Systems and Exploration.
- c) Geothermal Resources.
- d) Nuclear Energy and Resources.
- e) Clean Energy Options.

Theme 5. Tectonics and Geohazards

Supervisors: Damien Delvaux (damien.delvaux@africamuseum.be)
Dr Athanas Macheyekei- Geological Survey of Tanzania
(asmacheyekei@yahoo.com)

Sub Themes

- a) Geological Events and Basins Development (Big Geological Event on Mesozoic structures in Asian Continent).
- b) Understanding and Adaptation (Earthquakes, Volcanoes, Natural Radiations, and Tsunami: understanding, adaptation and resilience).
- c) Human-induced environmental hazards and disasters.

Theme 6. Geoinformatics applications for Earth Science (Geology, Natural resources, Disaster management, Environmental management)

Supervisors: Dr. Hudson Wellington- Tanzania Petroleum Development Corporation (wellington@tpdc-tz.com)
Solomon Tadesse (tadefanta@yahoo.com)

Sub Themes

- a) Information Communication Technology (ICT) and Geosciences.
- b) Tools – Software, Hardware, Open Source.
- c) GIS and Remote Sensing.
- d) Spatial data infrastructure.

All sub-themes are allowed to have several sessions with conveners. Interested candidates, wishing to set up sessions, please send email with session's name, themes, short introduction, conveners' names, contacts (organizations, and email addresses to nelson.boniface@udsm.ac.tz and/or asmacheyekei@yahoo.com.

The deadline for session submission is **15th March 2014**.

Abstract Submission for CAG25

All abstracts for CAG25 will be reviewed and accepted by the scientific committee and successful authors will be notified. Early career earth scientists with the best abstracts will be sponsored to attend the event (depending on the available funds).

Abstracts will be accepted for either oral or poster presentation. Please indicate your preference when submitting. Abstracts are to be submitted by e-mail as an attached file in Word format to the Conference Secretariat at the following e-mail address cag25abstract2014@gmail.com (CAG25). With approval of the authors, full papers will be submitted for publication in the proceedings special volume (African Journal of Earth Sciences, AJES).

The deadline for abstract submission is **10th April, 2014**.
Acceptance will be decided by the **20th April, 2014**.

Plenary Presentations:

There shall be 3 key plenary presentations delivered during the colloquium. The proposed presentations topics are:

- a) Mineral Resources and African Development: Prospects, Opportunities, and Challenges.
- b) Energy Resources and African Development: Prospects, Opportunities, and Challenges.
- c) Climate Change Impacts and Adaptive Capacity in Africa: Water and food security, and human development.

Coordinators: Prof. Aberra Mogessie (Institute of Earth Sciences, University of Graz, Austria)
Prof. Felix Toteu- Earth Science Unit, UNESCO, Nairobi, Kenya)

Workshops, Short Training, Roundtable and Business Meetings for CAG-25:

Different Organizations in collaboration with the organizing committee are developing Short Trainings and Workshops which aim to equip earth scientists with extensive knowledge in different fields of Earth sciences. The workshops are being scheduled to be held during or immediately after the congress. The organizing committee is reasonably confident that support will be confirmed for each of the training and workshops, listed below. The final list of trainings and workshops will be provided in the Third Circular.

TW1: Moving Africa Forward: The African Women Geoscientists:

Conveners: Prof. Ezzoura Errami, Chouaïb Doukkali University, Morocco; African Association of Women in Geosciences. (errami.e@ucd.ac.ma).
 Dr. Monica Omulo, Maseno University, Kenya; African Association of Women in Geosciences. (omuloma@gmail.com).
 Amel Barich, YES Network & AAWG. (amel.barich@gmail.com)
 Ndivhuwo Cecilia Mukosi, YES Network & AAWG.
 (ncmukosi@gmail.com)

Rapporteurs: Rosemary Olive Mbone Enie, Tanzania; African Association of Women in Geosciences.
 Dr. Tanvi Arora, YES Network

The African Association of Women in Geosciences (AAWG) supports the development of Earth Scientists in Africa by providing opportunities for networking and applying science for the sustainable development challenges the continent is facing. Opportunities for earth scientists are great, extending from traditional mineral extraction to environmental management such as climate change adaptation, prevention of natural hazards, water scarcity, and ensuring access to quality earth science training. To assist African governments to realise opportunities, AAWG activities are developed through a participatory approach. International conferences, workshops, roundtables have been organised to address various issues that affect the African continent, to which Earth Scientists can make a contribution. This workshop will focus on what are the challenges geoscientists are facing while pursuing this goal and will offer an opportunity to connect and network in order to overcome all these challenges.

After an introduction of the African Association of Women in Geosciences: its challenges and perspectives, the workshop will open discussion in order to

outline the priority of women in each African country represented, taking into consideration their cultural, political, and socio-economic situations. After the priorities are outlined, small working groups by regions will be formed in order to come up with concrete proposals for activities to be conducted under the umbrella of the AAWG during the years 2014-2016.

At the end of the workshop, each regional working group will be called upon to share their proposed activities with the other participants, and lead a larger conversation. This roundtable will provide the Association and its partners as well as decision makers, with concrete proposals to be conducted in line with the main objectives of the Association. It will also be an opportunity for the AAWG to sustain its work on the continent by creating national chapters in each country. The workshop is open to both women and men geoscientists as well as to all those interested in Earth Sciences for Societal development in Africa. It will provide an interactive platform for sharing different opinions, views and experiences on how women and men could work hand in hand in order to better participate in the development of the continent. So, if you are interested to join, please send a message to the conveners.

TW2: Geoheritage: a tool for local Sustainable Development in Africa

Conveners: Prof. Ezzoua Errami, Chouaïb Doukkali University, Morocco; African Geoparks Network & African Association of Women in Geosciences. (errami.e@ucd.ac.ma).

Prof. Aberra Mogessie, Geological Society of Africa. (aberra.mogessie@uni-graz.at).

Prof. Asfawossen Asrat, School of Earth Sciences, Addis Ababa University, Ethiopia. African Geoparks Network. (asfawossena@gmail.com).

Dr. Monica Omulo, Maseno University, Kenya; African Association of Women in Geosciences. (omuloma@gmail.com).

Dr. Sophie Siby, ANSRA Senegal. Steering committee of the Second International Conference on Geoparks in Africa and Middle East. (sosiby@yahoo.fr).

Rapporteur: Abdelouahed Lagnaoui, Chouaïb Doukkali University, Morocco. YES Network.

This workshop is organized in collaboration with the AAWG, GSAf and YES Network. All researchers in the fields of geoheritage, geotourism, conservation, environment and sustainable development, policy makers, economists, geopark and local community administrators and leaders, NGOs,

business operators, the Media and individuals with interest in geoheritage development are invited to participate and contribute to make this event a success. This workshop will be a sort of a curtain raiser on the state of geoheritage in Africa and Arab World. Let all of us jointly strive in this continent as responsible predecessors of future generations. Interested participants can contact any of the conveners for more details.

TW3: Governance of Solar Geo-engineering Research - African Perspectives and Engagement:

Conveners: Prof. Asfawossen Asrat, School of Earth Sciences, Addis Ababa University, Ethiopia. African Geoparks Network. (asfawossena@gmail.com).
 Cecilia Mukosi-Council for Geoscience, South Africa. (ncmukosi@gmail.com).
 B. Gyampoh, African Academy of Sciences, (aas@aasciences.org)
 A. Parker- Harvard Kennedy School, (aparker1@gmail.com)

Solar radiation management (SRM, also called solar geoengineering) is a theoretical proposal for cooling the Earth by reflecting a small amount of inbound solar energy back into space. Proposed techniques include injecting sulphate particles into the upper atmosphere (mimicking the natural cooling effect of large volcanic eruptions) or brightening existing marine clouds by spraying seawater into them (Royal Society, 2009). To lay the foundations for African engagement, the African Academy of Sciences (AAS), in partnership with the SRM Governance Initiative (SRMGI), held a series of three workshops in Senegal, South Africa and Ethiopia on SRM research and governance. The purpose of the workshops was to introduce African stakeholders to the concept of SRM, to seek opinions and ideas on how research of SRM might be governed, and to create the conditions for more sustained engagement on SRM research governance in Africa (Consolidated Report, 2013). In all these workshops and in a summer school held in Harvard University in August 2013, it has been clearly outlined that African engagement in determining governance on solar geo-engineering research is crucial and more awareness has to be created among African Researchers and stakeholders. The objective of this session/workshop is therefore to discuss the establishment of a working group on "African perspectives on Solar Geo-engineering research" and a group's activities and goals in particular and on solar geo-

engineering research in general. All participants of the CAG25 and YES are encouraged to attend the workshop and contribute to the on-going discussion on solar geo-engineering research.

TW4: OAGS (Organization of African Geological Surveys) - EGS (EuroGeoSurveys) Workshop:

Conveners: Dr. Luca Demicheli, General Secretary-EuroGeoSurveys.
(luca.demicheli@eurogeosurveys.org)
Prof. Marek Graniczny, Polish Geological Institute (mgra@pgi.gov.pl)

During this workshop the results of feasibility study titled "Geoscientific Knowledge and Skills in African Geological Surveys" will be presented. Also will be an avenue to discuss the assumptions of the big Pan - African project 2015 – 2020.

TW5: IUGS-COGE GEO-ERA and Geoscience education in Africa

Convener: Prof. Jesús Martínez-Frías-IUGS-COGE Chair and President of the International Association of Geoethics (j.m.frias@igeo.ucm-csic.es)

Geoscience education in Africa is essential as it provides opportunities for social/cultural, academic, scientific and professional growth and development. Despite several initiatives that have been started recently on this subject, they have not yielded concrete actions, due to the complexity of the African scenario, and also to the lack of clear and tailor-made geoscientific guidelines. At the moment, infrastructural facilities like the transportation, energy and telephone systems are increasingly developing in Africa paving the way for more geological mapping to be done, more exploration for mineral and energy resources to be conducted. It is important to have a strategy to develop the earth sciences and the related research sector to train as many local geologists as possible, develop the educational and research infrastructures of universities, faculties and departments of natural sciences, and encourage the establishment of regional centres of excellence in Africa. These are the aspects that this session will deal with. The IUGS-GEO-ERA project attempt to cover some of these issues, with the crucial partner collaboration of the Geological Society of Africa (GSAf) and other institutions (e.g. Earth Science Matters Foundation).

TW6: Geoethics- State-of-the-Art and Global Challenges in Africa:

Conveners: Prof. Jesús Martínez-Frías- IUGS-COGE Chair and President of the IAG (j.m.frias@igeo.ucm-csic.es).
 Prof. Aberra Mogessie, Geological Society of Africa. (aberra.mogessie@uni-graz.at).
 Prof. Lopo Vasconcelos- Eduardo Mondlane University, (lopoivasconcelos@gmail.com)

Geoethics is a relatively new science, whose significance is increasing year after year, and is playing an important role in the field of the geosciences. The sound and sustainable development of societies depend on the ethical and correct way through which things are conducted, considering all geoscientific aspects involved (in particular, but not only, natural hazards, water and mineral resources and other environmental and sustainability issues), Africa is a rich continent, but, unfortunately very often, its natural economic wealth is a curse instead of a benefit for the peoples of the African countries. This justifies that we pay a big attention to Geoethics. This session is co-organized by the International Association for Geoethics (IAGETH) and the Geological Society of Africa (GSAf) as an activity which matches the recently MoU signed by both organizations in 26 April 2013. It is crucial to analyze in depth what is the situation in our continent and what are the critical geoethical issues, on one hand, as well as to propose measures in how to deal with them, on the other.

TW 7. Geoscience Information in Africa; Organized by the Southern and Eastern African Mineral Centre (SEAMIC):

Conveners: Dr. Kristine Asch-Coordinator Geoscience Information in Africa (GIRAF)
 Terrence Ngole-Geological Survey of Tanzania.
 Dr Chrispin Kinabo- University of Dar es Salaam, Tanzania
 Mesfin W. Gebremichael, Southern and Eastern African Mineral Centre (SEAMIC) (mesfin@seamic.org)

Managing and providing access to geoscience data and knowledge underpins public policy-making across various levels of governance as well as investment, research and education. Each geoscience organisation, in Africa and beyond, possesses essential geology-related information but it could be better accessible and interoperable, and is hardly ever connected to its extensions in the neighbouring countries. Rarely, it is linked in with the global

geoscience community activities and provisions, e.g. by contributing to and using of global standards. The scope of this session encompasses spatial data infrastructure and regional geoinformation initiatives; interoperability and standards; delivery, dissemination and exploitation of geoscience data and information; best practices and progress to date. Participants are welcomed to submit abstracts on the experience of individual country or institution on these topics, with a focus on Africa, but not limited to. We expect the participation of GSAf, GIRAF, OneGeology, AEGOS and UNECA, plus other partners interested to join.

TW 8. Regional Development Centre in support of the Minerals Sector of Africa; Organized by the Southern and Eastern African Mineral Centre (SEAMIC):

Convener: Mesfin W. Gebremichael, Southern and Eastern African Mineral Centre (SEAMIC) mesfin@seamic.org.

Round table Session

The organizing committee in collaboration with Earth Sciences Unit of UNESCO will host the roundtable session entitled “Networking geoscience institutions in Africa”

Coordinators: Prof. Felix Toteu- Earth Science Unit, UNESCO, Nairobi, Kenya (f.toteu@unesco.org)
Dr. Sarah Gaines-Earth Science Unit, UNESCO, Paris, France. (s.gaines@unesco.org)

Proposed Schedule for the Colloquium of African Geology 14th – 16th August 2014

The timetable for the CAG25 Scientific Program is outlined in the table below. The program will take place over three days, between the Opening Session in the morning of Thursday 14th August and the Closing Ceremony in the late afternoon session on Saturday 16th August 2014. Each day will comprise concurrent scientific sessions and a plenary Session in the middle of each day.

	THURSDAY	FRIDAY	SATURDAY
0830-1015	Opening ceremony of CAG25 and closing ceremony of YES Congress	Scientific Program Session 4	Scientific Program Session 8
1015-1045	Break Posters	Break Posters	Break Posters
1045-1230	Scientific Program Session 1	Scientific Program Session 5	Scientific Program Session 9
1230-1400	Plenary Session Lunch	Plenary Session Lunch	Plenary session Lunch
1400-1545	Scientific Program Session 2	Scientific Program Session 6	Scientific Program Session 10
1545-1615	Break Posters	Break Posters	Break Posters
1615-1800	Scientific Program Session 3	Scientific Program Session 7	Scientific Program Session 11
1800-1900	Poster session	Poster Session	Poster Session
1900-Onwards	Evening program Including Business Meetings	Evening program Including Business Meetings	Evening program Including Business Meetings

Oral presentations will be 15 minutes including discussion, but invited keynote addresses may occupy two 15 minute slots.

POSTER SESSION

The poster session will be focusing on the sub-themes and roundtable topics of the events. All participants at the events will have full access to the posters room throughout the events. The standard for the poster is A0 format (Height 1189 mm x width 841 mm). Everyone will have two standard places for his or her posters. Conveners for the poster sessions are the same for oral sessions.

ABSTRACT FORMAT

- Abstract is limited to one A4 size page, text only without any figures or tables. Top, bottom, left, and right margins 25 mm.
- Title: Upper and lower case, left justified, Times New Roman font, 14 pt bold.
- Contributors' names: Upper and lower case left, justified, first name first, surname last, Times font, 11pt.
- Affiliation: Upper and lower case, left justified, Times font, 10 pt. Numbered superscripts should be used to indicate the affiliation of each contributor. E-mail address can be added in parentheses at the

end of the corresponding contributor's affiliation.

- e) Main text: Single spaced text, Times 10 pt font, no section headings.
- f) 500 words are limited for one abstract.
- g) One pictures and one graph could be added to support or make an explanation.

Commercial exhibitions and Business Expo:

The Business Expo will offer a unique networking opportunity for Earth scientists to meet representatives from research institutes and companies. It will also allow companies to carry out marketing, business development and recruitment. The Business Expo offers an exhibition area for companies, organizations, and institutions. The Expo will be open for the duration of the events. Please connect with us by e-mail.

Our e-mail address is yescag2014@gmail.com

Telephone: +255-683-466717/+255-784-983379

Fax number: +255-26-2323020.

Pre-and Post-Events Excursions

There will be both pre and post- excursions arranged for the events. Pre-events excursions will involve visiting sites for oil and gas explorations, and post-events excursions will involve visiting different important geosites, geoparks and mining sites in Tanzania. The costs for both excursions are indicated in the table attached in the appendix. Pre/post-events excursion fees will cover costs of transportation, accommodation, meals, and guidebook.

Tourism Package

The organizers in collaboration with Ebony Tours & Safaris (one of Tanzania's most forward thinking and innovating Travel and Tour Operators) wish to provide an opportunity for interested participants to visit different tourist sites in Tanzania in affordable price. Ebony Safari's and Tours has continued its mission of providing innovative African Holidays and Safari programs to its travelers combined with the extensive Beach Holidays in the surrounding Islands of Zanzibar, Pemba and Mafia. The Indian Ocean with its coral reef offers a magical marine experience for divers and lovers of the ocean. As

always, we have endeavored to provide the widest range of favorite safari itineraries ideal for first time visit and more exotic destinations for our seasoned travelers, across the Northern Circuit from Manyara to Ngorongoro and the ultimate savannah of Serengeti National Park to witness the greatest show on earth of The Migration. The options are vast; just get all the information and link up at www.ebonysafaris.com contact reservationsdar@ebony-safaris.com and pamela@ebony-safaris.com. When you communicate with them make sure you indicate that you're the participants of either YES congress or CAG-25 in order for you to be considered for the discounts.

Registration

Online Registration is active and will stay open till 30th June 2014. Please visit the events websites www.yescongress.org/2014 and www.cag25.or.tz and complete the online registration form. Candidates who prefer to register using printed form, can access the printable registration form from the websites. The completed form must be scanned and sent to the Conference Secretariat via yescag2014@gmail.com before 30th June 2014. Please take **note that**, applicants should indicate whether the registration is for YES Congress only, CAG25 only or for both events.

Conference Registration Fees in USD:

EVENT	Early bird	Late	Full	On	Site
YES Congress					
Normal	350	400		400	
Accompanying Person	150	200		200	
YES members	150	200		200	
GSAF members and affiliates*	300	350		350	
Student	150	200		200	
CAG-25					
Normal	450	500		500	
Accompanying Person	250	300		300	
YES members	250	300		300	
GSAF members	400	450		450	
Student	250	300		300	

*Societies who have signed a Memorandum of Agreement with the GSAF

Note: For participants intending to attend both events will have to pay an extra fee of **100 USD**.

Events registration fees will cover costs of reception, coffee/tea breaks and lunch during the scientific sessions, and events materials. Participants are required to pay registration fees through bank transfer before **30th June 2014** (see the bank transfer address below and the payment form in the website).

After this date, it will be possible to pay the registration fees at the conference registration desk with rate indicated on the table above. Refund will be charged by 20% deduction. No refund will be made after **30th June, 2014**.

Bank Transfer address:

Young Earth Scientist Network (YES-Tanzania),
Exim Bank Tanzania,
Namanga Branch
A/C Number: 0337789991
SWIFT CODE: EXTNTZTZ,
IBAN No: 94500700100957546500.

Please remark as “Registration fee for YES Congress (or CAG25), or Registration Fee for YES & CAG 25”.

IMPORTANT DATES AND MILESTONE

Session Submission Deadline:	15 th March 2014
Release of Third/Final Circular:	30 th March, 2014
Abstract Submission deadline:	10 th April, 2014
Notifications of accepted Abstracts:	20 th April, 2014
Decision on Sponsorship request:	30 th April, 2014
Online Registration deadline:	30 th June, 2014
Bank Transfer fees deadline:	30 th June, 2014

CORRESPONDANCE

All correspondence regarding Session Submission, sponsorship, Application of grants may be addressed to;

Mr. Meng Wang: yeswangmeng@gmail.com (President YES Network)
Ms. Amel Barich: amel.barich@gmail.com (YES-Congress)
Mr. Sylvester Chaisamba: sylgster2000@yahoo.com (YES-Congress)
Professor Aberra Mogessie: mogessie@uni-graz.at (President GS Af)
Dr Athanas Macheyeke: asmacheyeke@yahoo.com (CAG25).
Dr Wellington Hudson: wellington@tpdc-tz.com (CAG25).

All correspondence concerning Registration and Payments for Events Participation can be addressed to:

National Organizing Committee,
P.O.Box 35052,
Dar es Salaam, Tanzania
Tel: +255-754-308861/+ 251-713-493231 (Mobile)
E-Mail: yescag2014@gmail.com

All correspondence concerning field excursions can be addressed to:

Prof. Hudson Nkotagu (nkotaguh@yahoo.com)
Dr. Hudson Wellington (wellington@tpdc-tz.com)
Mr. Fredrick Mangasini (mangasini@udsm.ac.tz/mangatz@yahoo.co.uk)

Any further queries apart from the above can be addressed to:

YES Congress:

Dr. Tanvi ARORA, PhD
Secretary General, YES Network
E-mail: Networkyes.secretary@gmail.com

CAG 25:

Dr. Nelson Boniface,
Senior Lecturer, Department of Geology, University of Dar es Salaam,
E-mail: nelson.boniface@udsm.ac.tz

FUNDING CHANCES

Sponsorship for Young Students

A Number of sponsorships will be available to scientists participating in the events who are from developing countries and whose abstracts have been accepted by the scientific committee. To apply for these sponsorships, please contact Dr Athanas Macheyeke (asmacheyeke@yahoo.com) for CAG25 and Mr Sylvester Chaisamba (sylgster2000@yahoo.com) for YES Congress. Applicants are not eligible to apply for sponsorship until they have received notification that their abstract has been accepted. It is our interest to include work from young scientists engaged in global scale studies / projects in all disciplines of geo-sciences. These studies should be of wide interest for society.

Abstracts are expected to have science-based content and; all abstracts will be reviewed by the Scientific Committee to assess their scientific merit and applicability to the events. We encourage applications that provide innovative insight into the events themes. We especially encourage presentations that propose solutions that are applicable across a range of scales (local to global). Sponsorships will be awarded based on acceptance of abstract, status of applicant, availability of sponsorship funds. Preference will be given to applicants from developing countries.

Organizational Sponsorship

Delegate sponsorship packages are available for organizations wishing to sponsor delegates. This may either be an external, to company, delegate and sponsorship would therefore be allocated by the organizing committee, alternatively organization are welcome to sponsor individuals from within the company to attend the events. These are both dependent on acceptance of abstracts.

TRAVEL, LODGING AND ACCOMMODATION

Local Climate

Climate in Dar es Salaam is moderate; in August daytime temperatures generally reach highs of around 29°C that's about 84°F. At night the average minimum temperature drops down to around 19°C, that's 66°F. For August sun shine for an average of 9 hours per day.

How to get VISA

For those international delegates who need travelling visa to Tanzania, you are advised to have a valid visa before embarking on your journey to Tanzania. Visas can be acquired from any Tanzanian Embassy/High Commission, Consul General Office or Honorary Consul Offices. To find a nearby Tanzanian embassies or consulates general, you can visit Ministry of Foreign Affairs website at http://www.foreign.go.tz/index.php/tanzania/category/travelling_to_tanzania.

Also you can obtain valid Tanzanian visa on arrival at the airport.

How to reach MJNI Convention Centre

The Mwalimu Julius Nyerere International Airport (with international and domestic terminals) is about 25 km from Mwalimu Julius Nyerere International Conference Centre. During 11-16 August 2014 there will be conference reception personnel at the airport to answer your questions and guiding. Taxi is available at the airport, the fare to Mwalimu Julius Nyerere International Conference Centre is about 30\$, the airport buses are also available, 5\$ to City Centre, and then, walking to the conference. For more help and proper arrangement of the transport, participants are required to inform the organizers on their flight schedules.

Accommodation Information

Through the efforts of the Local Organizing Committee-LOC, some hotels have been recommended. They can offer some discount to conference attendants. The price per person is about 60~150\$/night. The detailed information of the hotel will be seen in the web page. Room reservations can be made starting from January 2014.

ORGANIZATION AND COMMITTEES

Advisory Committee (AC)

Considering the relative experience of both YES International Organizing Committee-IOC and GSAf in international events planning, a very well qualified committee will provide the oversight and guidance of experienced advisors, needed for coordinating these international events. We would like to have a board of members more from Ministry of Energy and Minerals, Tanzania, Geological Survey of Tanzania, Tanzania Petroleum Development Corporation, Rural Energy Agency, Tanzania National Electric Company, Tanzania Geological Society, Geological Society of Africa, Universities in Tanzania, UNESCO, Executive committee member from YES and CAG25, in the Senior Advisory Committee. Some of the members of the Senior Advisory Committee will be invited as keynote speakers.

List of the Advisory committee members:

SN	Name	Affiliation
1	Hon Professor Sospeter Muhongo	Minister of Energy and Minerals- Tanzania
2	Hon Professor Makame M. Mnyaa	Minister of Science and Technology-Tanzania
3	Professor Pius Yanda	Centre for Climate Change Studies-University of Dar es Salaam
4	Professor Aberra Mogessie	President Geological Society of Africa, Austria/Ethiopia
5	Professor Asfawossen Asrat	Vice President- Geological Society of Africa, Eastern Africa Region, Ethiopia
6	Professor Abdulkarim Mruma	Chief Executive Officer- Geological Survey of Tanzania
7	Professor Beneah Odhiambo	Councilor for Eastern African Region- Geological Society of Africa, Kenya
8	Professor Ezoura Errami	President- Association of African Women Geosciences, Morocco
9	Dr Lutengano Mwakahesya	Chief Executive Officer- Rural Energy Agency
10	Professor Elizabeth Kiondo	Executive Secretary- UNESCO National Commission of the United Republic of Tanzania
11	Dr Hassan Mshinda	Executive Director-Commission of Science and Technology of Tanzania.
12	Prof. S. Felix Toteu	Earth Sciences Unit, UNESCO Nairobi, Kenya.
13	Dr. Mc. Keever, Patrick J	UNESCO
14	Prof. Roland Oberhänsli	President IUGS
15	Dr. Jean-Paul Cadet	CGMW
16	Dr. Franz Wolfgang Eder	Earth Science Matters (ESM)
17	Prof. Dr. Eduardo De Mulder	Earth Science Matters (ESM)
18	Dr. Luca Demicheli	Secretary General, EuroGeoSurveys
19	Dr. John Ludden	Executive Director, British Geological Survey

20	Dr. David Govoni	Geological Society of Italy
21	Dr. Edmund Nickless	General Secretary of GSL
22	Prof. Dr. Jack Hess	Executive Director of the Geological Society of America
23	Dr. Patrick Leahy	Executive Director of the American Geological Institute
24	Prof. Shuwen DONG	IUGS, Vice president of China Academic of Geological Sciences
25	Prof. Jacques Charvet	IUGS
26	Prof. Harsh Gupta	President, IUGG , President, Geological Society of India,
27	Prof. Sierd Cloetingh	Utrecht University, European Research Council
28	Dr. Peter Konigshof,	Ressortleiter, Verlags – und Pulikationswesen
29	Prof. Mikhail A. Fedonkin,	Geological Institute RAS, Russian Academy of Sciences
30	Prof. Mohammed Hassan Awad	Al Azhar University
31	Dr. Anna Vymazalova	Czech Geological Survey
32	Dr. Afia Akhtar	Director General, Geological Survey of Bangladesh
33	Dr. Young C. Y.NG	Chairman, Association for Geoconservation, Hong Kong
34	Mr. Danie Barnardo	LOC Secretary-General, 35th International Geological Congress
35	Dr. Ruth Allington	President of European Federation of Geologists
36	Prof. Jesus Martinez-Frias	IUGS-COGE Chair and President of the International Association of Geoethics
37	Dr. Gabi Schneider	President of the Organization of African Geological Surveys

International Organizing Committee (IOC)

Co-Chairpersons:

1. Professor Aberra Mogessie
GSAf President,
University of Graz, Austria
E-Mail: aberra.mogessie@uni-graz.at
2. Mr. Meng Wang,
President YES Network,
E-Mail: yeswangmeng@gmail.com ; 2012yespresident@gmail.com

Communications and Media Team:

1. Ms. Elyvin Nkhonjera
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Communication Representative from GSAf
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2. Mr. Michael M. Msabi
Assistant Lecturer (PhD Student in Department of Geology- University of
Dar es Salaam)
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University of Dodoma,
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3. Dr. Jon Tennant
PhD Student in Department of Earth Science and Engineering
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E-mail: jonathan.tennant10@imperial.ac.uk ; jon@palaeocast.com

Operation and Relation Team:

1. Ms Cecilia Mukosi
Geologist, Council For Geoscience, South Africa
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2. Dr. Enas Ahmed
Geologist, EMRA, Egypt
E-mail: enas_ahamed@yahoo.com / enasahm@gmail.com

3. Dr Wellington Hudson
Senior Principal Petroleum Geologist
Tanzania Petroleum Development Corporation
E-mail: wellington@tpdc-tz.com

4. Mr. Peresi Joshua
Environmental Management Officer (Mining),
National Environment Management Council (NEMC)
E-mail: peresjoshua@yahoo.com

Finance Committee:

International:

1. Ms. Amel Barich
Vice president of YES Network, Councilor of IUGS,
Instituto Andaluz de Ciencias de la Tierra UGR–CSIC, Spain
E: amel.barich@gmail.com

2. Dr. Ciro Manzo
Institute of Atmospheric Pollution Research,
National Research Council of Italy,
Monterotondo Scalo, Rome, Italy
E-mail: manzociro@gmail.com

National:

3. Mr. James Andilile,
Assistant Commissioner for Energy Development,
Ministry of Energy and Minerals
E-mail: andilile@gmail.com

4. Dr. Andrew Method
Ministry of Health and Social Welfare,
Dar es Salaam, Tanzania
E-mail: amethod1@yahoo.com

Scientific Committee:

Prof. Pius Yanda-(pyanda@gmail.com) Chairperson
Dr. Carlos A. Cónsole Gonella (carlos_console@yahoo.com.ar)
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Dr. Athanas Machayeki (asmacheyeki@yahoo.com)
Prof. Asfawossen Asrat (asrata@geol.aau.edu.et)
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National Organizing Committee (NOC)

SN	NAME	Title
1	Professor Abdulkarim Mruma	Chairman
2	Mr. Stephen J Nyagonde	Vice Chairman
3	Dr Nelson Boniphace	General Secretary
4	Mr. Fredrick Mangasini	Member
5	Mr. James Andilile	Member
6	Dr Andrew Method	Member
7	Dr Athanas Macheyeke	Member
8	Mr. Sylvester Chaisamba	Member
9	Mr. Michael M. Msabi	Member
10	Dr Hudson Wellington	Member
11	Mr. Peres Joshua	Member
12	Ms. Nangware Msofe	Member
13	Dr Shukurani Many	Member
14	Mr. Amedeus Deogratius	Member
15	Mr. Shaidu Nuru	Member
16	Mr. Denis Silas	Member
17	Professor Hudson Nkotagu	Member
18	Ms. Beatrice Joseph	Member
19	Dr Meshack Kagya	Member
20	Dr. Amina Mweneinda	Member
21	Mr. Mesfin W. Gebremichael	Member

Topic	Days	Program	Organizer	Itinerary	Large group	group	
FT 1 (Pre)	4	Pan-African orogeny	Prof. Hudson Nkotagu	<p>Day 1: Start from Dar es Salaam visit Msata and Msoga and spend a night at Morogoro</p> <p>Day 2: Start from Morogoro visit Uluguru Mountains and spend a night at Morogoro</p> <p>Day 3: Start from Morogoro visit the Mautia Hill and spend a night at Morogoro.</p> <p>Day 4: Leave Morogoro for Dar es Salaam</p>	400	550	<p>Basement (Mozambique belt), Coastal sedimentary & Industrial mineral deposits (marble and granulites) at Msoga and Msata quarry, respectively.</p> <p>Granulites and gabbro-anorthosite complexes in Uluguru Mountains with their associated Fe ore deposits.</p> <p>Glimpse of dense forests of Uluguru Mountains which make part of the Eastern Arc Mountains, a biodiversity hotspot and home of some endemic species of birds and trees.</p> <p>Mautia hill ultra-high pressure white schists, the only world site that hosts mineral “Yoderite”.</p> <p>Magubike mafic granulites, Pandambili charnokites, the Kiborian-Ukaguru Massif and the granulated shear zone which marks the boundary between Archean Craton and Mozambique Belt.</p>

Code	Days	Program	Organizer	Itinerary	Estimated Budget/ person (USD)		Feature (s) of interest
					Large group	Small group	
FT-2 (Pre)	5	Achaean Greenstone Belt	Prof. Hudson Nkotagu	Day 1: Fly from Dar es Salaam to Mwanza then drive and spend a night at Geita.	800	950	<ol style="list-style-type: none"> 1. Open cast mine, Geita Gold Mine located in Lake Victoria Greenstone Belt. 2. Open pit mine, Williamson Diamond Mine. 3. Interesting geology of the Achaean Tanzania Craton and view of the Lake Victoria; the largest lake in Africa.
				Day 2: Start from Geita town visit Geita Gold Mine and spend a night at Geita.			
				Day 3: Start from Geita, drive and spend a night at Shinyanga.			
				Day 4: Start from Shinyanga visit Williamson Diamond Mine spend a night at Shinyanga.			
				Day 5: Drive from Shinyanga to Mwanza and fly back to Dar es Salaam			

Code	Days	Program	Organizer	Itinerary	Estimated Budget/ person (USD)		Feature (s) of interest
					Large group	Small group	
FT3 (Pre)	5	Continental rifting Volcanism High grade metamorphism	Mr. Fredrick Mangasini	Day 1: Fly from Dar es Salaam to Arusha, drive through Lake Manyara National Park and spend night at Karatu	900	1000	<ol style="list-style-type: none"> 1. Olduvai Gorge deep and wide river galley where the first hominid skull "Zinjanthropus" was discovered. 2. Magic 'shift sands at vicinity of Ngorongoro Crater. 3. The Ngorongoro Crater, the largest uncollapsed caldera with tens of thousands of flora and fauna 4. View of the East Africa Rift Escarpment. 5. Oldonyo Lengai the only active carbonatite volcano of the world 6. Lake Natron an important breeding site for Flamingos. 7. Merelani Tanzanite Mine the only locality that produces the unique gemstone "Tanzanite" in the world. 8. Glimpse of the Kilimanjaro Mountain the highest point in Africa
				Day 2: Start from Karatu visit Olduvai Gorge, Shifting sands, Ngorongoro Crater and spend night at Karatu.			
				Day 3: Start from Karatu, drive and visit Mountains Oldoinyo Lengai, Kerimas, Gelai, Lake Natron and spend night at Engarisero village.			
				Day 4: Start from Engarisero drive and spend night at Arusha.			
				Day 5: Start from Arusha, visit Merelani Tanzanite Mine and fly back to Dar es Salaam			
FT4 (Post)	2	Oil/Gas exploration sites	BG	<p>Day 1: A trip to the offshore sites of BG operations.</p> <p>Day 2: A trip to the offshore sites of BG operations.</p>	BG	BG	Active exploration sites for oil and gas in Tanzania.