

YESS, GEWEX and YHS Workshop:
Reflecting on African Early Career Researchers' role in Earth Observations and Geospatial Science in the Service of Sustainable Development Goals.

Date:
23 October 2022

Venue:
Kigali, Rwanda

YESS and YHS, with the support of GEWEX and WMO WCRP are pleased to organize a 1-day workshop during the 13th AARSE International Conference on Earth Observations and Geospatial Science in the service of Sustainable Development Goals, which will be held in Kigali, Rwanda between October 24th and October 28th, 2022.

The AARSE 2022 is a conference of the African Association of Remote Sensing of the Environment (AARSE) and the Institut d'Enseignement Supérieur de Ruhengeri (Ines-Ruhengeri).

Event link: <http://www.aarse2022.org/>

1- Event description and structure:

Within the framework of the 13th AARSE International Conference, Earth Observations and Geospatial Science in the Service of Sustainable development Goals that will be held between October 24th and October 28th 2022, in Kigali - Rwanda, YESS Community will organize a one day Workshop on '*What role can ECRs play to contribute to the Earth Observations and Geospatial Science in the Service of Sustainable Development Goals ?*'.

The main goal of the workshop is to raise the voice of ECRs in the related research topics and prepare for the ECRs and the climate research interested community participation in the WCRP Open Science Conference to be held in Kigali Rwanda in 2023. The workshop also aims to gather a huge community of ECRs from the African continent.

During the 1 day workshop, three impulsive talks will be provided by senior scientists on the topic of Earth Observations and Geospatial Science in the service of Sustainable Development Goals followed by three parallel discussion tables exploring the following topics:

- 1- What can ECRs bring to the Earth Observations and Geospatial Science in the Service of Sustainable Development Goals research topic?
- 2- What are the needs of ECRs to help in advancing research on this topic?
- 3- How can ECRs leverage their networks particularly, during this crisis in order to create a niche for themselves and support each other to be connected to the active community?

The workshop will have two sessions :

First session (Morning session): Panel discussion animated by the invited senior experts.

Potential speakers:

- Prof. Kamal Labassi, AARSE(<http://www.aarse2022.org/index.php>).
- Prof. Zoltan Vekerdy, EO4Africa (<https://www.eo4africa-rd.org/>)
- Prof. Peter J. van Oevelen, GEWEX (<https://www.gewex.org/>)

Second Session (Afternoon): Round tables discussions; candidates can rotate between topics;

1.1 Morning session:

- Presentations from seniors speakers followed by a Q&A session

Topics to be covered :

- 1.Remote sensing for natural resource management to serve climate change adaptation and mitigation strategies,
- 2.Space technology and infrastructures for environmental monitoring and sustainability,
- 3.Geospatial sciences in the service of sustainable development.

1.2 Afternoon session:

Three parallel round tables discussions, on the following topics:

1. What can ECRs bring to the Earth Observations and Geospatial Science in the Service of Sustainable Development Goals research topic in the region of Africa.
 2. What are the needs of ECRs to help in advancing research on this topic?
 3. How can ECRs leverage their networks particularly, during this crisis in order to create a niche for themselves and support each other to be connected to the active community?
- Candidates can rotate between topics.
 - The organizing team will moderate the roundtable and organize the discussion.
 - At the end of the afternoon session, representatives from the different round table will pitch the outcome of the discussions

Note: Mini surveys based on "Slido" can be shared during the process, to collect the ideas at the same time- to be discussed through.

2. Expected outcomes

- The plenary session on the strengthening of African ECR community, including a discussion on e.g.: Strengthening research profiles and collective ECR vision; Enhancing the involvement of ECR in the global community in the mentioned topic
- Set the stage on what role ECRs can play in the region, where we as ECR communities are right now and focus on a way forward to further improvement, growth etc.
- Networking opportunities.
- Prepare for the ECRs and the climate research interested community participation in the WCRP Open Science Conference to be held in Kigali Rwanda in 2023.
- Formulate key questions from the discussion tables and presentation of the key messages coming from the workshop during the conference
- Scientific/white paper about workshop discussions to be published in an international scientific journal
- Work Plan/future vision on ECR community in Africa

3. Organizing team

Young Earth System Scientist (YESS Community), the Young Hydrologic Society (YSH), supported by The Global Energy and Water Exchanges (GEWEX) project the World Climate Research Programme (WCRP),

Co-chairs of the Organizing committee

- Dr. Faten Attig Bahar (YESS-community, Tunisia)
- Prof. Peter J. van Oevelen (GEWEX, US)

Young Earth System Scientist (YESS Community):

- Dr. Didier Ntwali (Rwanda, onsite)
- Dr. Modathir Zaroug (Uganda, onsite)
- Mr. Patrick Lampty (Ghana, onsite)
- Dr. Claudia Volosciuk (Germany)
- Mrs. Valentina Rabenal (Argentina)

with Valuable input from YESS regional representatives for Africa (2019/2020)

Young Hydrologic Society (YSH)

- Mr. waswa peter

- Mr. Bethel Ukazu (Nigeria)
- Dr. Nilay Dogulu (Turkey)

The Global Energy and Water Exchanges (GEWEX)

- Prof. Peter J. van Oevelen (US)

4. Agenda :Workshop Agenda + PlayBook

(8 hours program : 4hours morning session followed by 4hours afternoon session)

Day 1 Morning session	08:45 - 09:00	15 min	Arrival & registration of workshop participants	
	09:00 – 09:15	15 min	General opening of workshop	YESS and YHS
	09:15 – 09:45	30 min	Short introduction by participants (name, background, institution, etc.)	Name-Country-Institution-Position
	09:45 – 10:15	30 min	First introduction about YESS Prospective outcomes of workshop & plan/schedule Second Introduction from YHS	YESS member and YHS member (10 min presentation and 5 minute Q&A each)
	10:15 – 10:45	30 min	Introduction to WCRP/WMO, GEWEX mission, main project themes. Announcement of the next WCRP Open Science conference in Rwanda	Peter van Oevelen (Director International Project Office GEWEX) 20 min talk followed by 10 min Q&A
	10:45 – 11:15	30 min	Impulse talk by Prof. Kamal Labassi, AARS	15-20 min presentation followed by 10-15 min discussion Introduction by an organizing team member
	11:15 – 11:45	30 min	<i>Coffee break and Networking</i>	Group Photo?
	11:45 – 12:15	30 min	Impulse talk by Prof. Zoltan Vekerdy, ESA - EO AFRICA R&D Facility	15-20 min presentation followed by 10-15 min discussion Introduction by an organizing team member
	12:15 – 12:45	30 min	Impulse talk by Dr. Peter J. van Oevelen, GEWEX	15-20 min presentation followed by 10-15 min discussion Introduction by an organizing team member
	12:45- 14:00	Lunch break		

Day 1 Afternoon session	14:00 – 14:15		Prospective outcomes of workshop & plan/schedule Introduction to the round table discussion	
	14:15 -16:15		<p>Round table 1 Topic 1: What can ECRs bring to the Earth Observations and Geospatial Science in the Service of Sustainable Development Goals research topic in the region of Africa.</p> <p>Round table 2 Topic 2: What are the needs of ECRs to help in advancing research on this topic?</p> <p>Round table 3 Topic 3: How can ECRs leverage their networks particularly, during this crisis in order to create a niche for themselves and support each other to be connected to the active community?</p>	
	16:15 – 16:45	Coffee break		
	16:45 – 17:30		Wrap up from discussion tables	
	17:30 – 18:00		<p>Plenary session on the strengthening of ECR communities, plenary discussions on e.g.(few ideas):</p> <ul style="list-style-type: none"> • Strengthening research profiles and collective ECR vision for Earth Observations and Geospatial Science in the Service of Sustainable Development Goals • Enhancing the involvement of ECR in the global community. 	YESS and YHS to introduce some key points related to the discussion tables