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Communiqué of the EAS 2022

2022 International Conference on Water, Food and Energy Security: The Role of Science and Communities in Post War Reconstruction

July 4-5, 2022, Addis Ababa, Ethiopia

The [2022 International Conference on Water, Food and Energy Security: The Role of Science and Communities in Post War Reconstruction](#) is organized by the [Institute of Environment](#) at Florida International University, Miami, USA and co-organized by the African Center of Excellence for Water Management (ACEWM), Space Science and Geospatial Institute, Alliance Bioversity-CIAT, and Bahir Dar University (BDU). The conference will take place from July 4-5, 2022 at Sapphire Addis Hotel, Addis Ababa, Ethiopia.

Meeting the demands of water, energy and food for a growing global population is a world-wide challenge that is further exacerbated by the uncertainty of climate change impact on water resources, land and water degradation, droughts, poor water governance and land management practices. In recent years, we have seen communities in conflict zones further struggle to meet their water, food and energy demands. Globally, many communities are struggling to meet fundamental water needs for survival. After many decades of various efforts to meet the freshwater demands of the global poor, we are still long way to go. In Ethiopia and other developing countries, water is at the center of major national policies including energy, agriculture, environment and others.

The main goal of this conference is to create a platform for international and national experts to highlight and share local and global experiences on natural resource management, water management, irrigation, flood control, drought management, energy and food production. In a changing climate, water, food and energy demands are increasing with growing population. There is an urgent need for immediate action to address these challenges to continue on a path of self-reliance with food production. Main thematic areas covered will include soil and water management, droughts and floods, irrigation, energy production, and food production. Additionally, session on the Nile River and the Grand Ethiopian Renaissance Dam is organized.

Speakers and participants from USA, Europe and Africa will participate in the conference. Two keynote and four invited speakers with diverse experience and knowledge on the themes of the conference are invited. More than 102 scientific papers covering diverse water, food and energy security, GERD and Nile, environmental and climate change challenges will be presented. Presenters are drawn from academia, government, international and national organizations working on water resources management, policy, regulations and development. About 200 participants are also registered to attend the conference. In addition, four panel discussions will

be held on GERD and Nile, Urban Water supply, Irrigation and Food production and Water-Energy-Food securities.

The conference organizers expect the outcome to raise awareness on the scientific issues of water-energy-food (WEF) nexus and security challenges and approaches to narrow the gap between demand and supply of WEF. Papers on the Nile challenges and mechanisms for conflict resolution will be also discussed. The impact of failing behind in meeting the WEF demands of nations will have a negative impact of economic growth and development. The recent conflict in Ethiopia is one regional example that can further deteriorate the WEF securities of people in the region. The role of scientific studies and communities in averting catastrophic consequences will be discussed. In addition, we hope it shapes the regional, as well as global, view of the WEF security challenges of the communities.

The technical program of the conference can be found [here](#). The conference papers will be published as book chapters and selected papers will be published as special peer reviewed journal articles.

The organizers express their appreciation to the scientific advisory committee, keynote and invited speakers, presenters and participants for their commitment to share their experience and research results that help understand the Water-Energy-Food Nexus and security challenges countries are facing. We extend our gratitude to the management of FIU for their commitment to support such a timely conference initiative.

Finally, we wish all the participants a successful deliberation and discussion.

Organizing Committee

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