



ONLINE INTERNATIONAL TRAINING PROGRAMME ON

CLIMATE CHANGE CHALLENGE

The Way Forward to Reinforcement of Livestock
Systems in Developing Countries

23-26 August 2022



AFRICAN-ASIAN RURAL DEVELOPMENT ORGANIZATION (AARDO)



THEME OF THE PROGRAMME

CLIMATE CHANGE CHALLENGE

The Way Forward to Reinforcement of Livestock Systems in Developing Countries

Sponsoring Organization

African Asian Rural Development
Organization (AARDO)
(www.aardo.org)

Training Institute (Host)

University of Bahri
College of Veterinary Medicine (CVM)

Duration

23-26 August 2022
for 04 days (08 hours)
with 2 hours session on each day.

Session Timing

2:00 PM to 4:00 PM
(Indian Standard Time GMT+5:30)
(Please Check Local Time Zone)

Virtual Platform (Software)

Zoom Software

Deadline for Application

18 August 2022

BACKGROUND

It is well-known that climate change would have an impact on all countries around the globe. However, developing countries are much more vulnerable to climate change impacts than developed countries. Climate change exacerbates the effects of population growth, poverty, and rapid urbanization. Without serious adaptation, climate change is likely to push millions further into poverty and limit the opportunities for sustainable development (Fulco Ludwig et al., 2007).

Climate change has significant impacts on livestock in developing countries, either directly (through heat stress and increased morbidity and mortality) or indirectly (through reduced feed quantity and quality and increased animal diseases). At the same time, the livestock sector contributes significantly to climate change. For example, 14.5 % of the greenhouse gas emissions come from livestock supply chains. According to FAO (2015), feed production and processing and methane from ruminants' digestion are the two main sources of emissions. Fortunately, wider adoption of existing best practices and technologies in animal feeding, health and husbandry, and manure management would help the global livestock sector in building climate change resilience, and subsequently cutting the emissions of greenhouse gases by about 30 % (FAO, 2015).

- i) FAO, Food and Agriculture Organization of the United Nations (2015). Climate change and food security: risks and responses. <https://www.fao.org/3/I5188e/I5188E.pdf>
- ii) Fulco Ludwig, Catharien Terwisscha van Scheltinga, Jan Verhagen et al. (2007). Climate change impacts on developing countries - EU Accountability. Policy Department, Economic and Scientific Policy, European Parliament. [https://www.europarl.europa.eu/RegData/etudes/etudes/join/2007/393511/IPOL-ENVI_ET\(2007\)393511_EN.pdf](https://www.europarl.europa.eu/RegData/etudes/etudes/join/2007/393511/IPOL-ENVI_ET(2007)393511_EN.pdf)
- iii) [https://www.europarl.europa.eu/RegData/etudes/etudes/join/2007/393511/IPOL-ENVI_ET\(2007\)393511_EN.pdf](https://www.europarl.europa.eu/RegData/etudes/etudes/join/2007/393511/IPOL-ENVI_ET(2007)393511_EN.pdf)

OBJECTIVE OF THE PROGRAMME

The main objectives of this program are to:

- identify the impact of climate change on livestock production systems in developing countries.
- recommend simple adaptation and mitigation solutions against climate variabilities.

COURSE CONTENTS

- Variation of pastoral and rural livelihoods vulnerability across diverse agroecological ecosystems.
- Dynamics of livestock productivity on livelihoods as a consequent impact of climate change.
- Impact of climate change on livestock health and welfare.
- Potential solutions and adaptation to mitigate climate change effects on livestock systems in developing countries.

PROGRAMME METHODOLOGY

The programme will be highly participatory and interactive with maximum involvement of the participants. The course will emphasize on the followings :

- Climate change and better understanding of climate change and its impact on agro-ecosystems and food security.
- Empowered national and regional professionals on climate change challenges and their impact on livestock production.
- Enhanced collaboration among professionals involved in climate change matters.
- Methods and interventions for mitigating the risks of climate change on livestock systems.

OUTLINE OF THE PROGRAMME

Two-hours lecture every day as follows:

- Climate change and its impact on agro-ecosystems and food security in developing countries
- The dynamic response of livestock production systems to climate change in developing countries.
- The adverse effect of climate change on livestock health: Current situation and solutions.
- Adaptation and mitigation solutions for livestock production systems against climate variabilities

MEDIUM OF COMMUNICATION

The medium of communication is English only. The participants are expected to have a good working knowledge of English.

TARGET AUDIENCE

The training programme will be attended by mid and senior-level officials working in the relevant field in their respective countries. Resource persons from the host Institute and other institutions, having rich experiences on the subject, will be invited to share their experiences and expertise with the participants.

ESSENTIAL QUALIFICATIONS

Bachelor Degree or its equivalent with a considerable working experience in planning and executing programmes ;

- ◆ Must be subject specialist and related to the programme;
- ◆ Proficiency in English, as the medium of instruction is English only; and
- ◆ Must be conversant with ICT and willing to undertake online training course

SELECTION OF PARTICIPANTS

The participants of the training programme will be selected by AARDO and CVM. Thereafter, selected participants will be provided with login ID and password to access the programme.

HOW TO APPLY:

Step 1:

Log on to the link: <http://aardo.org/formDD.php>

Step 2:

Fill up the details and submit. Take print out of the filled in application form.

Step 3:

Applicants are required to sign their applications and send them along with the recommendation letter of the Nodal Ministry of AARDO/Centre of Excellence to our email: iec@aardo.org

CERTIFICATE

E-Certificate authenticated with signature of H.E. Secretary-General, AARDO and Dean of CVM, will be provided after the successful completion of the training programme.

WHATSAPP COMMUNICATION

WhatsApp communication will be established among the participants, host institute and AARDO for faster communication and information sharing.

ABOUT THE HOST TRAINING INSTITUTE (CVM)

The College of Veterinary Medicine of the University of Bahri is an amalgamated body that constitutes both the College of Veterinary Sciences of University of Bahr el Ghazal, and the Faculty of Veterinary Medicine of Upper Nile University. The establishment of the University of Bahri yielded this amalgamation of the two institutions with their highly qualified staff and outstanding curriculum. Sudan with its massive animal population both domestic and wild needs well trained veterinary personnel to cater for disease control programs, improving the welfare of the animals and assist in planning better outputs of livestock industries.



Through provision of an intensive well oriented teaching program, the expected output could be relied on to provide excellent veterinarians that would meet the expectations

The college of Veterinary Medicine comprises Thirteen Departments. These include: Department of Anatomy, Department of Physiology, Department of Biochemistry, Department of Molecular Biology and Bioinformatics, Department of Microbiology, Department of Pathology, Department of Parasitology, Department of Medicine, Department of Pharmacology, Toxicology and Forensic Medicine, Department of Food Safety and Veterinary public Health, Department of Surgery and Department Obstetrics and Gynaecology.

Important Notes:

- ⇒ Application without recommendation of the AARDO's Nodal Ministry/ Center of Excellence in participant's country will not be considered.
- ⇒ Application, duly completed, must reach the AARDO Secretariat before or on the closing date, **18 August 2021**.
- ⇒ Due to limitation of number of participants, only selected candidates would be intimated through the Nodal Ministry and AARDO's Centres of Excellence.
- ⇒ Selected candidates will be required to actively attend all the live sessions of e-training programme to be eligible to obtain e-certificates.

Course Coordinators :

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AARDO's Programme Coordinators:

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