

## Registration

**No registration fee is charged.** All persons wishing to participate in the symposium must be designated by an IAEA Member State or be members of organizations that have been invited to attend (see the list of invited organizations in the website).

Limited funds are available to assist certain participants. Approved grants will be issued in the form of a lump sum payment that usually covers only part of the cost of attendance.

## Key Deadlines

Submission of synopses (including Forms A and B*)	30 Sep 2019
Submission of grant application (Forms A and C*)	30 Sep 2019
Notification of acceptance of synopses	31 Mar 2020
Registration only with no paper submission or grant request (Form A*)	No deadline

\* Through a competent national authority. See website for further details

## Submission of Synopses

The synopses can be one to maximum three printed A4 pages, in single space, including tables, figures and references. More than one synopsis per participant is allowed. All communications and papers must be sent in English.

Synopses must be prepared in MS Word or similar software and sent to the official symposium email address (APHSymposium2020@iaea.org).

Submission of synopses only (without submission of Forms A and B) will not be considered.

## Symposium Secretariat

### Scientific Secretary

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## Symposium Web Page

Detailed information on administrative procedures including participation, submission of papers, registration and grants is provided on the symposium website:

<https://www.iaea.org/events/aphs2020>

Please include reference number IAEA-CN-281 in all communications.



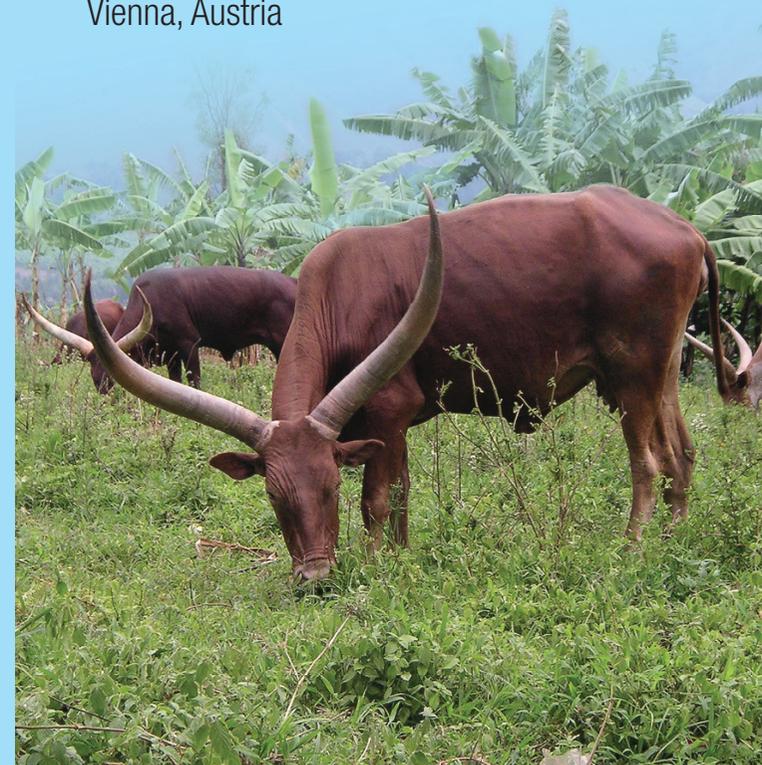
CN-281

# International Symposium on Sustainable Animal Production and Health

## *Current Status and Way Forward*

22–26 June 2020

Vienna, Austria



Organized by the



Joint FAO/IAEA Programme  
Nuclear Techniques in Food and Agriculture



## Background

Systems of livestock production in developing countries are becoming progressively more intensified as producers and traders respond to increasing demands from consumers in urbanized societies for milk, meat, other livestock products and animals. This includes the challenges of increasing productivity without degrading feed and genetic resources, and of ensuring that diseases of a transboundary or zoonotic nature are early recognized and brought under control. Increasing demand can only be met through the selection of animals that produce more meat and milk and show disease resistance and heat tolerance; the optimal utilization of local resources that simultaneously protects animal biodiversity and the environment; and the protection of animals and their caretakers from diseases.

It is necessary to assess and manage the risks and the opportunities arising from intensification and to control emerging and re-emerging animal and zoonotic diseases to minimize adverse effects on farmers' livelihoods. In turn, this requires developing capacities to adapt and foster the application of the appropriate production and protection enhancing technologies, as well as sound and mutually supportive policies.

The symposium will draw on lessons learned and current best practices to provide a roadmap for the sustainable improvement of animal production whilst protecting the environment. The focus of the symposium will be on the contributions and impact of nuclear technologies and applications.

## Objectives

The objectives of the symposium are to provide information and share knowledge on modern and novel technologies in animal production and health, and their application to support sustainable livestock production systems. Besides, to identify capacity and research needs and to address gaps and new opportunities for the effective transfer of nuclear and nuclear derived/related technologies and building capacities for ameliorating or solving factors that are limiting livestock productivity and causing animal diseases.

## Topics

- The use and application of atomic, nuclear, and nuclear derived/related technologies in animal nutrition, reproduction, breeding and health
- Feed resources and feeding strategies under grazing and cut-and-carry production systems in developing countries
- Assisted reproductive technologies for enhanced livestock productivity
- Radiation hybrid mapping and gene-marker selection in animal characterization and breeding programmes
- Early and rapid animal disease diagnostic tests in national and decentralized laboratories
- Threats to food security, public health and international trade due to emerging and re-emerging transboundary and zoonotic animal diseases

- The role of the FAO/IAEA Veterinary Diagnostic Laboratory (VETLAB) Network in capacity building, transfer of technology, and sharing of knowledge
- Irradiated vaccines
- The use of stable isotopes to trace and monitor migratory animals and their role in the introduction of transboundary animal and zoonotic diseases

## Target Audience

The symposium welcomes scientists, academics, research managers, laboratory personnel, policy-makers from governmental and non-governmental organizations, private sector actors and representatives of international and national donor agencies, foundations and trusts.

