



**International Symposium on
Sustainable Animal Production and Health**
Current Status and Way Forward
(Virtual Event)

28 June to 2 July 2021
(previously scheduled for 22–26 June 2020)

**Organized by the
Joint FAO/IAEA Division
of Nuclear Techniques in Food and Agriculture**

Ref. No.: CN-281/EVT1901973

Announcement and Call for Papers

A. Background

The International Symposium on Sustainable Animal Production and Health – Current Status and Way Forward, postponed due to the COVID-19 pandemic, 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.

B. Objectives

The purpose of the symposium is:

- To provide information and to share knowledge on modern and novel technologies in animal production and health, and their application to support sustainable livestock production systems.
- To discuss the constraints, opportunities and advantages for the effective transfer of nuclear and nuclear derived/related technologies.
- To identify capacity and research needs and to address gaps and new opportunities for transferring technologies and building capacities for ameliorating or solving factors that are limiting livestock productivity and causing animal diseases, particularly but not exclusively, in developing countries.

C. Format and Topics

The symposium will cover recent developments in technologies applied to animal production and health. The Joint FAO/IAEA Programme welcomes both academic and practice-based contributions, especially but not limited to the following topical areas:

- The use and application of atomic, nuclear, nuclear derived and 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: what is being done and mechanisms for sustained improved productivity.
- Assisted reproductive technologies for enhanced fertility and offspring with greater productive indexes.
- Radiation hybrid mapping and gene-marker selection in animal characterization and breeding programmes: what do we know and what is missing in developing countries.
- Early and rapid animal disease diagnostic tests in national and decentralized laboratories: staff proficiency, preparedness, emergency response to outbreaks, quality control and quality assurance, international standards (ISO 17025).
- Emerging and re-emerging transboundary and zoonotic animal diseases: threats to food security, public health and international trade.

- The FAO/IAEA Veterinary Diagnostic Laboratory (VETLAB) Network. Its role on capacity building, transfer of technology and sharing of knowledge and experience.
- Irradiated vaccines. New approaches to inactivate or weaken animal pathogens for developing vaccines against animal and zoonotic diseases.
- Stable isotope tracing: New approaches to trace and monitor migratory and transported animals and their role in the introduction of emerging and re-emerging transboundary animal and zoonotic diseases.

The symposium will be held in English. The programme will comprise keynote addresses, plenary presentations from invited speakers, satellite meetings on selected topics, and group discussions.

D. Target Audience

The organizers of the symposium welcome scientists, academics, research managers, laboratory personnel, policy makers from governmental and non-governmental organizations, private sector entities, and donor agencies from national and international organizations, foundations and trusts.

E. Expected Results

- Better understanding of animal production constraints and the role of nuclear, nuclear-derived and nuclear-related techniques as tools for ameliorating the current problems affecting livestock production, farmers livelihoods and food security.
- Links between the FAO/IAEA Secretariats and Member States on animal production and health will be strengthened.
- The FAO/IAEA will update their requirements and focus for research and extension on animal production and health for solving Member States' needs.
- Participants will enhance their knowledge on modern technologies and farm practices for improving livestock production and health in their own countries.
- Proceedings of the symposium will be published and made available to the scientific community.

F. Synopses, Presentations and Proceedings

All participants are encouraged to submit their research results in the format of a synopsis on one of the topics listed under Section C. The paper should give enough information on its contents to enable the Programme Committee to conduct a technical evaluation for its acceptance. The electronic compilation of accepted synopses will be available free of charge on the symposium webpage and IAEA Conferences and Meetings App.

Invited speakers should submit extended papers related to their presentations.

Authors of papers already received for this event at its original date (22 to 26 June 2020) will be contacted and allowed to update or withdraw their submissions.

F.1 Submission of Synopsis

Anyone wishing to submit synopses must submit them with the Participation Form (Form A) and the Form for Submission of a Paper (Form B) through their appropriate governmental authority (see Section G) for transmission to the IAEA no later than **15 January 2021**.

The synopsis can be one to a maximum three A4 pages in single space, including tables, figures and references.

F.2 Acceptance of Synopses

The Programme Committee reserves the right to exclude synopses that do not comply with its technical or scientific quality standards and/or do not relate to one of the topics in Section C above. Reviews and descriptive papers are discouraged.

Authors will be informed by **28 February 2021** whether their synopses have been accepted.

F.3 Proceedings

Selected synopses and speaker presentations at the symposium will form the basis of a book to be published as a peer reviewed publication. All participants will have access to a free digital copy of this book.

Participants with contributions selected for publication in the book will receive instructions for the preparation and timely submission of their papers.

G. Participation and Registration

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. The list of invited organizations will be available on the symposium website (see Section M).

To be designated by an IAEA Member State, participants are requested to send the following forms (as applicable) to their competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority):

- Participation Form (Form A): participation only; no deadline if only Form A is submitted.
- Form for Submission of a Paper (Form B): participants submitting a paper must send the completed and signed Form B together with Form A to their competent national authority for onward transmission to the IAEA (Official.Mail@iaea.org) by **15 January 2021**.

Participants who are members of an organization invited to attend are requested to send the above form(s) through their organization to the IAEA (Official.Mail@iaea.org).

Designations already received for this event at its original date (from 22 to 26 June 2020) remain valid.

No registration fee will be charged to participants.

H. Distribution of Documents

A preliminary programme will be posted on the event webpage as soon as possible. The final programme and the electronic Compilation of Abstracts will be available free of charge for all attendees.

I. Exhibitions

Companies and organizations willing to exhibit their business will have a dedicated link to their portfolio. Interested parties should contact the event organizers by email at APHSymposium2021@iaea.org before **28 February 2021**.

J. Working Language

The working language of the conference will be English. All communications and papers must in English.

K. Key Deadlines

Submission of synopses with Forms A and B through official channels	15 January 2021
Notification of acceptance of synopses	28 February 2021
Submission of Form A (no paper submission)	No deadline

L. Symposium Secretariat

General postal address and contact details of the IAEA

International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA
Tel.: +43 1 2600
Fax: +43 1 26007
Email: Official.Mail@iaea.org

Scientific Secretary

Mr Viljoen

Animal Production and Health Section
Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture
International Atomic Energy Agency
Tel.: +43 1 2600 26053
Email: APHSymposium2021@iaea.org

Administration and organization

Ms Julie Zellinger

Conference Services Section
Division of Conference and Document Services
Department of Management
International Atomic Energy Agency
IAEA-CN-281
Tel.: +43 1 2600 21321
Email: APHSymposium2021@iaea.org

Subsequent correspondence on scientific matters should be sent to the Scientific Secretary of the conference and correspondence on administrative matters to the IAEA Conference Services Section.

M. Symposium Webpage

Please visit the following webpage regularly for new information regarding this conference:

<https://www.iaea.org/events/aphs2021>