

KEY DEADLINES

- 31 October 2016** Submission of abstract
(including Forms A and B);
- 31 October 2016** Submission of grant
applications (Forms A and C);
- 31 December 2016** Notification of acceptance of
abstract

REGISTRATION FEE

No registration fee is charged.
Limited funds are available to assist certain
participants. Approved grants will usually cover
only part of the cost of attendance. Please see the
conference web page for details on how to register.

LANGUAGE

The conference will be held in English.

CONFERENCE WEB PAGE

Detailed information on administrative matters,
including registration, paper submission and grants,
is provided on the conference web page:

<http://www-pub.iaea.org/iaeameetings/50813/Third-FAO-IAEA-International-Conference-on-Area-wide-Management-of-Insect-Pests-Integrating-the-Sterile-Insect-and-Related-Nuclear-and-Other-Techniques>

Please include reference number
IAEA-CN-248 in all communications.

SCIENTIFIC SECRETARIES

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Third FAO/IAEA International Conference on

Area-Wide Management of Insect Pests:

Integrating the Sterile Insect and
Related Nuclear and Other Techniques



Organized by the



Joint FAO/IAEA Programme
Nuclear Techniques in Food and Agriculture

22–26 May 2017
Vienna, Austria

CN-248

BACKGROUND

The successful implementation of area-wide pest management programmes integrating sterile insects with other control technologies against a number of key plant, veterinary, and medical insect pests is a peaceful application of nuclear technology.

The Food and Agriculture Organization of the United Nations (FAO) and the International Atomic Energy Agency (IAEA) have over the last 50 years played, and will continue to play, a critical role in supporting their Member States in the development and application of these environmentally friendly pest management methods.

The concept of *area-wide integrated pest management (AW-IPM)*, in which the total population of a pest in an area is targeted, is increasingly being considered for related genetic, biological and other pest suppression technologies. Insect movement, occurring sometimes over long distances, is generally underestimated. As a consequence, most conventional pest management is implemented locally in uncoordinated action against only segments of a pest population, resulting very often in unsustainable control. On the other hand, an AW-IPM approach involves a preventive rather than a reactive strategy, whereby all individuals of the pest population are targeted in time and space, resulting in more cost-effective and sustainable pest management.

OBJECTIVES

The purpose of the conference is to familiarize participants with new developments, trends and challenges related to insect pest management, both in the fields of agriculture and public health, and to foster a broad exchange of information. The conference and its deliberations and conclusions will provide useful feedback to the Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture and, in particular, to its future programme to address Member States'

needs in the rapidly evolving field of insect pest management. It will also highlight the challenges faced by Member States, such as the loss of insecticides due to resistance and other causes, climate change, and the global spread of invasive species and diseases in new regions.

TARGET AUDIENCE

This third conference will *address technical, managerial and socio-economic components of operational area-wide programmes*. Accordingly, the target audience for this conference comprises but is not limited to:

- Area-wide insect pest management programme managers and professionals
- Public and private sector stakeholders involved in applications of insect pest management
- Human, animal, plant protection specialists
- Public health practitioners, epidemiologists and medical personnel
- Entomologists, geneticists and scientists engaged in basic and applied research related to insect pest management
- Policymakers and officials from sanitary and phytosanitary regulatory authorities



FORMAT AND TOPICS

The structure of the conference will be based on selected plenary lectures, thematic sessions with keynote addresses, and contributions in the form of oral presentations and posters, as well as panel discussions. A limited amount of space will be available for commercial vendors' displays/exhibits during the conference.

A series of plenary sessions will address the topics listed below, and the conference programme will include invited keynote speakers from academia and industry, oral presentations and panel discussions. There will be ample time for viewing of posters, and for discussion and interaction among the participants.

A final round table session will discuss the main conclusions drawn in the plenary sessions and will summarize recommendations for future development.

The scope of the conference is meant to cover, but is not limited to, the following topical areas:

1. *Operational AW-IPM programmes*
2. *Economic impact and regulatory issues*
3. *Mosquitoes and human health*
4. *Livestock pests and animal health*
5. *Climate change, global trade and invasive species*
6. *Tools for integrated programmes, information systems and new developments*