



GC

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# GENERAL CONFERENCE

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Thirty-sixth regular session

## ADVANCE INFORMATION FOR DELEGATIONS

### Change in the Special Scientific Programme

1. The session originally planned on "Plutonium: Past, Present and Future" has been replaced by a session on "Nuclear Applications for Improving Everyday Life"; the date (Wednesday, 23 September 1992) remains unchanged.
2. Information on this session is attached hereto; it replaces page 2 of Annex 1 to document GC(XXXVI)/INF/307.



**36TH IAEA GENERAL CONFERENCE**

**SPECIAL SCIENTIFIC PROGRAMME**

Wednesday, 23 September 1992 (morning and afternoon)

**Session: Nuclear Applications for Improving Everyday Life**

**Focus:** Nuclear techniques have been contributing to the development of Member States in the fields of agriculture and food, industry, environmental protection and health care. This scientific programme reviews the current development and impact of these applications, placing emphasis on technology improvement for sustainability, productivity and health. The role of the IAEA will also be discussed.

**Structure:** Session 1: **Nuclear applications for improvement of productivity, environmental compatibility and sustainability of agriculture**

- (1) Successful eradication of the New World Screwworm in North Africa and the Melon Fly in Okinawa, Japan
- (2) Increasing biological nitrogen fixation for productive and sustainable agriculture
- (3) Modern biotechnology and radiation-induced mutations - successful tools for crop improvement
- (4) Investigating the behaviour and fate of pesticides to protect food and the environment

Session 2: **Better health care through nuclear techniques**

- (1) Cancer control by radiation therapy
- (2) Nuclear medicine in prevention of disease and promotion of health

Session 3: **Nuclear techniques for environmental conservation**

- (1) Cleaning of flue gases by electron beams to avoid acid rain
- (2) Protection of water resources against pollution and over-exploitation
- (3) Climatological studies using environmental isotope techniques

Session 4: **Panel discussion on "Introducing commercial food irradiation - developing countries, trade and consumers"**

