

WORKING LANGUAGE

The working language of the Forum will be English.

REGISTRATION FEE

No registration fee is charged to participants.

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CONFERENCE WEBPAGE

Detailed information on administrative procedures including participation and registration is provided on the Forum's website:

<http://www-pub.iaea.org/iaeameetings/50803/Scientific-Forum>

Nuclear Technology for the Sustainable Development Goals



28-29 September 2016
Vienna International Centre
Board Room D, C Building, 4th Floor



IAEA

60 Years

Atoms for Peace and Development

INTRODUCTION

Science, technology and innovation will play a crucial role in helping countries achieve the ambitious Sustainable Development Goals (SDGs). Since the discovery of nuclear fission in the 1930s, the peaceful applications of nuclear technology have helped many countries improve crops, fight pests, advance health, protect the environment and guarantee a stable supply of energy.

Highlighting the goals related to health, hunger, energy and the environment, the 2016 IAEA Scientific Forum will focus on how nuclear technology contributes to the SDGs.

The Forum will be opened by IAEA Director General Yukiya Amano and will comprise five sessions over two days. Scientists and experts from around the world will showcase achievements in the selected thematic areas, discussing how nuclear technology can further contribute to the well-being of people, help protect the planet and boost prosperity.

SESSION 1



Health and well-being: Global access to radiation medicine

From prevention to palliation, radiation medicine plays an essential role in the diagnosis and management of a wide range of diseases. However, access to radiation medicine with adequate quality assurance is limited in many countries. This session will look at what is needed to help achieve the [SDG 3](#) target of reducing deaths from non-communicable diseases by one third by 2030.

SESSION 2



Zero hunger: Atoms for food, agriculture and nutrition

The second session will showcase how nuclear technology is successfully deployed to boost food security and tackle agricultural challenges. From efficiently fighting pests and diseases, to improving crop varieties and nutrition and ensuring food safety, nuclear techniques are used to guarantee sufficient food all year round. This session will discuss how nuclear technology can contribute to [SDG 2](#) – achieving zero hunger around the world.

SESSION 3



Energy for the future: The role of nuclear power

Nuclear power is one of the lowest-carbon technologies available to generate electricity and can play a significant role in mitigating climate change. Several countries are taking concrete steps to introduce nuclear power, but its share in the world's energy mix is decreasing and its competitiveness is being challenged. This session will examine how innovation, technological advances and new economic models can help increase nuclear power's contribution to [SDG 7](#) – affordable and clean energy; [SDG 9](#) – industry, innovation and infrastructure; and [SDG 13](#) – climate action.

SESSION 4



Isotopes for the environment: Managing our natural resources

This session will feature examples of how nuclear and isotopic technology can be a valuable tool in managing our planet's natural resources and will address [SDG 6](#) – clean water and sanitation; [SDG 14](#) – life below water; and [SDG 15](#) – life on land. The session will also look at how data collected with the help of such technology can play an essential role in establishing adequate environmental policies at national and international levels.

SESSION 5



Partnerships for progress: Transferring nuclear science and technology

Focusing on [SDG 17](#) – forming partnerships for the goals – the last session will examine nuclear technology transfer and sustainability issues related to human resources and financing.