



## **2016 IAEA Scientific Forum**

### **Nuclear Technology for the Sustainable Development Goals**

28–29 September 2016  
IAEA Headquarters, Vienna, Austria

### **Tentative Programme**

**Opening:** Mr Yukiya Amano, Director General, IAEA

**Moderator:** Ms Melinda Crane, Chief Political Correspondent, Deutsche Welle-TV

**Conference Secretary:** Mr Serge Gas, Director, Office of Public Information and Communication, IAEA

**Administration:** Ms Julie Zellinger, Conference Services Section, IAEA

## Wednesday, 28 September 2016

### 09:30–10:30 Opening

**Opening statement by Mr Yukiya Amano**, Director General, IAEA

**His Serene Highness Prince Albert II of Monaco**

**Mr Andrew Wheatley**, Minister of Science, Energy and Technology, Jamaica

**Mr Alan Finkel**, Chief Scientist, Australia

**Mr Liu Yongde**, Secretary General, China Atomic Energy Authority (CAEA), China

### 10:30–12:30 **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. The 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.

**Ms Mary Gospodarowicz**, Professor, Radiation Oncology, University of Toronto; Medical Director, Princess Margaret Cancer Centre, Canada

**Mr Kenji Shibuya**, Professor and Chair, Department of Global Health Policy, Graduate School of Medicine, University of Tokyo, Japan

**Mr Carlos Alberto Buchpiguel**, Professor, Department of Radiology and Oncology, São Paulo University School of Medicine, Brazil

**Ms Ntokozo Ndlovu**, Radiation Oncologist, University of Zimbabwe College of Health Sciences, Zimbabwe

### 12:30–14:00 Lunch Break

### 14:00–16:00 **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 the **SDG 2** target of ending hunger, achieving food security and improved nutrition, and promoting sustainable agriculture around the world.

**Mr Mohammad Shamsher Ali**, Director General, Bangladesh Institute of Nuclear Agriculture (BINA), Bangladesh

**Ms Chandapiwa Marobela-Raborokgwe**, Deputy Director, Botswana National Veterinary Laboratory, Botswana

**Mr Daniel Wunderlin**, Director, Institute for Food Science and Technology of Córdoba (ICYTAC), Argentina

**Ms Emorn Udomkesmalee**, Associate Professor, Institute of Nutrition, Mahidol University, Thailand

**16:30**

**Reception**

## **Thursday, 29 September 2016**

**09:00–11:15**

### **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 discuss how innovation, technological advances and new economic models can help increase nuclear power's contribution to the areas covered by **SDG 7** (affordable and clean energy), **SDG 9** (industry, innovation and infrastructure), and **SDG 13** (climate action).

**Ms Agneta Rising**, Director General, World Nuclear Association (WNA), Sweden

**Ms Fiona Reilly**, Executive Partner, Atlantic Superconnection Corporation, United Kingdom

**Mr Leonid Bolshov**, Director, Nuclear Safety Institute (IBRAE RAN), Russian Federation

**Ms Leslie Dewan**, CEO, Transatomic Power, United States

**11:15–11:30**

**Coffee Break**

**11:30–13:00**

### **Session 4: Isotopes for the Environment: Managing Our Natural Resources**

This session will showcase examples of how nuclear and isotopic techniques can help manage our planet's natural resources and 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 using such techniques can play an essential role in establishing adequate environmental policies at national and international levels.

**Mr Osea Naiqamu**, Minister for Fisheries and Forests, Fiji

**Ms Simone Richter**, Group Executive, Nuclear Science and Technology and Landmark Infrastructure, Australian Nuclear Science and Technology Organisation (ANSTO), Australia

**Mr Lalit Varshney**, Head, Radiation Technology Development Division, Bhabha Atomic Research Centre, India

**Mr Imad-eldin Ahmed Ali Babiker**, Associate Professor, Agricultural Research Corporation (ARC), Sudan

**13:00–14:00**      **Lunch Break**

**14:00–15:30**      **Session 5: Partnerships for Progress: Transferring Nuclear Science and Technology**  
Focusing on **SDG 17** - forming partnerships for achieving all the SDGs - the last session will examine nuclear technology transfer and sustainability issues related to human resources and financing.

**Mr Djarot Sulistio Wisnubroto**, Chairman, National Nuclear Energy Agency of Indonesia, Indonesia

**15:30**              **Wrap-up by the IAEA Director General (or his representative)**