

## Programme, Day 1

Tuesday 30 May 2017

9:30-10:30		<b>Opening Session</b>
		<i>The conference will be opened by the IAEA DG. High level dignitaries will give statements.</i>
11:00- 12:30		<b>Session 1: The Evolution of the IAEA's Technical Cooperation (TC) Programme</b>
<b>Objective</b>	<i>The objective of this session is to set the stage for the conference, with particular emphasis on how the IAEA's TC Programme has contributed to the establishment of national nuclear infrastructure and capabilities in support of national development priorities.</i>	
<b>Film</b>	The History and Evolution of the IAEA's Technical Cooperation Programme	
<b>IAEA</b>	TC Programme Features and Trends	
<b>Member States' Journey with the TC Programme: Achievements and Impacts</b>		
<b>Keynote speakers</b>	High level speakers from the regions of Africa, Asia and the Pacific, Europe and Latin America and the Caribbean.	
12:30-13:30		Lunch
13:30-17:00		<b>Session 2: The IAEA TC Programme: Contributing to Member States' National Development</b>
<b>Objective</b>	<i>The session will present Member State experiences in leveraging the support of the TC Programme to address pressing developmental challenges. Through six sub-sessions, the focus will be on the impact of nuclear science and technology in key thematic areas, including human health and nutrition, food and agriculture, water and the environment, radiation technology, energy and safety, linking IAEA support in these sectors to sustainable development.</i>	
13:30-14:30		<b>Human Health and Nutrition</b>
<b>IAEA</b>	Overview of Nuclear Applications in Human Health and Nutrition	
<b>Speaker 1</b>	Improving Infant and Mother Nutrition	
<b>Speaker 2</b>	Enhancing Cancer Management	
<b>Speaker 3</b>	Safe Cancer Treatment with Radiotherapy	
<b>Speaker 4</b>	Tissue Grafting for Human Health	
		Panel discussion
14:35-15:35		<b>Food Security</b>
<b>IAEA</b>	Overview of Nuclear Applications in Food and Agriculture	
<b>Speaker 1</b>	Increasing Crop Production	
<b>Speaker 2</b>	Improving Livestock Production Through Artificial Insemination	
<b>Speaker 3</b>	Breeding New Crop Varieties to Support Food Security	
<b>Speaker 4</b>	Enhancing Fruit and Vegetable Quality Through Pest Control	
		Panel discussion
16:00-17:00		<b>Clean Water and Environment</b>
<b>IAEA</b>	Overview of Nuclear and Isotopic Techniques for Water and Environmental Management	
<b>Speaker 1</b>	Evidence-based Water Resource Management	
<b>Speaker 2</b>	Protecting our Oceans from Harmful Algal Bloom	
<b>Speaker 3</b>	Climate Change and its Impact on Water Resources	
<b>Speaker 4</b>	Optimizing Water Resource Development	
		Panel discussion

2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



13 CLIMATE ACTION



14 LIFE BELOW WATER



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## Programme, Day 2

Wednesday 31 May 2017

<b>9:00- 10:00</b>	<b>Innovative Solutions in Industry</b>	
<b>IAEA</b>	Overview of Nuclear Applications in Radiation Technology	
<b>Speaker 1</b>	Quality Control and Inspection of Oil Pipelines through Non Destructive Testing	
<b>Speaker 2</b>	Innovative Solutions for Waste Water Treatment	
<b>Speaker 3</b>	Fostering Industrial Development through Radiation Technology	
<b>Speaker 4</b>	Supporting Human Health through Radiopharmaceutical Production	
	Panel discussion	
<b>10:00-11:00</b>	<b>Energy Planning and Nuclear Power Infrastructure</b>	
<b>IAEA</b>	Overview of Nuclear Energy	
<b>Speaker 1</b>	Sustainable Energy Development	
<b>Speaker 2</b>	Building National Capabilities for Managing Nuclear Power Programmes	
<b>Speaker 3</b>	Supporting Safe Operation of Nuclear Power Plants	
<b>Speaker 4</b>	Capacity Building for Nuclear Power Life Extension	
	Panel discussion	
<b>11:30-12:30</b>	<b>Radiation and Nuclear Safety Infrastructure</b>	
<b>IAEA</b>	Overview of Radiation and Nuclear Safety	
<b>Speaker 1</b>	Supporting the Establishment of Radiation Safety Infrastructure	
<b>Speaker 2</b>	Supporting Radiation Safety for Occupational Exposure	
<b>Speaker 3</b>	Promoting Nuclear and Radiation Safety	
<b>Speaker 4</b>	Safely Managing Radioactive Waste	
<b>Speaker 5</b>	Upgrading Regulatory Infrastructure	
	Panel discussion	
<b>12:30-13:30</b>	Lunch	
<b>13:30-17:00</b>	<b>Session 3: Taking a Regional Approach: Cooperation on Common Development Issues</b>	
<b>Objectives</b>	<i>Session 3 will present the TC regional programme approach to addressing common issues. Discussions will focus on the advantages and modalities of regional cooperation, how the IAEA and Member States can enhance regional cooperation for better delivery of the TC programme, and the role of South-South and North-South cooperation towards sustainability.</i>	
<b>IAEA</b>	IAEA Modalities and Initiatives for Regional Cooperation	
<b>Speaker</b>	<b>Africa:</b> Addressing Water Scarcity	
	Panel discussion	
<b>Speaker</b>	<b>Asia and the Pacific:</b> Integrated Strategies for Urban Air Quality Improvement	
	Panel discussion	
<b>Speaker</b>	<b>Europe:</b> Remediation of Radiation Contaminated Lands	
	Panel discussion	
<b>Speaker</b>	<b>Latin America &amp; the Caribbean:</b> Regional Efforts to Combat Zika Virus	
	Panel discussion	
<b>Speaker</b>	<b>Global Initiative:</b> Supporting Human Capacity Building and Education through Regional Efforts: The SESAME Project	
	Panel discussion	

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## Programme, Day 3

Thursday 01 June 2017

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9:00-12:00	Session 4: Global Partnership for Sustainable Development 
Objective	<i>This session will showcase TC collaborative modalities for helping Member States build partnerships with development organizations for mutual growth. In this session, the focus is on the achievements of the TC programme in forging partnerships with UN and other development bodies for more efficient delivery.</i>
Presentation 1	Typical examples of partnerships drawn from the TC Programme, including: <ul style="list-style-type: none"> <li>• Eradication of Rinderpest</li> <li>• Addressing Food Value Chain</li> </ul>
Presentation 2	Partnering to Fight Cancer: The PACT Model of Partnership Building
Panel 1	<b>Partnership in the TC Programme: Some Trends</b>
Keynote presentation	New Dimensions of Global Partnerships
Case study	Examples of Public-Private-Partnership in supporting the Sustainable Development Goals (SDGs)
Panel 2	<b>Innovative Partnerships for the Future</b>
12:00-13:30	Lunch
13:30-15:00 Session 5: Beyond the Horizon: Paving the Way to the Future 	
Objective	<i>This high level panel will look to the future, including the measures and actions to contribute to the SDGs, building on previous achievements and taking into account past lessons and best practices.</i>
Keynote presentation	Science, Technology and Innovation in Support of Development
Case study	Understanding Climate Change Effects
Panel discussion	<b>Strengthening Member States' Capabilities in Science, Technology and Innovation to Meet their Development Needs</b>
Presentation	TC Approach and Modalities for Supporting MSs to Achieve Sustainable Development
Panel discussion	<b>Looking into the Future: Contributing to the 2030 Agenda for Sustainable Development</b>
15:00-16:00	Closing Session

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