

## Detailed Description of the Proposed ARFSD Side Event

**Title**    **Building Human and Institutional Capacities in Africa in the Peaceful Use of Nuclear Science and Technology**

**Names of all Organizer:**    IAEA (International Atomic Energy Agency)

**Partners:**

1. University of Science and Technology, Cairo, Egypt
2. Pwani University, Kilifi, Kenya
3. African Regional Cooperative Agreement for Research, Development and Training related to Nuclear Science and Technology (AFRA)

**Speakers and Panelists:**

*Shaukat Abdulrazak*, Director, Division for Africa, IAEA

*Dina Hussein*, Director of Radiology & Medical Imaging Technology Programme, MUST University of Science and Technology, Cairo, Egypt; and Chair of the AFRA High Level Steering Committee (HLSC)

*James Kahindi*, Deputy Vice Chancellor, Academic and Student Affairs, Pwani University, Kilifi, Kenya; and Chair of the AFRA Programme Management Committee (PMC)

*Mario Tot*, Energy System Analyst, IAEA

**Format:**            Virtual Event

**Duration:**        90 mnts

**Thematic Focus of the Event:**

The side event, organized by the IAEA in collaboration with the University of Science and Technology of Cairo (Egypt), with the Pwani University (Kenya), and with the African Regional Cooperative Agreement for Research, Development and Training related to Nuclear Science and Technology (AFRA), will showcase how the application of nuclear science and technology contributes to Build a Green, Inclusive and Resilient Africa, supporting sustainable development and addressing the challenges posed by climate change in the region.

The panelists will illustrate, with concrete examples drawn from their own experience, lessons learned and good practices, how nuclear technologies can be used to help countries adapt to, monitor and mitigate climate change, as well as work towards the achievement of sustainable development through quality education and capacity building (SDG 4 and SDG 5), oceans' conservation and sustainability (SDG 14), actions to combat desertification, land degradation and biodiversity loss (SDG 15).

The support that the IAEA has provided to its Member States in Africa over the years has also led to the establishment of significant partnerships and networks of excellence (SDG 17) such as the AFRA, which aims to strengthen and enlarge the contribution of nuclear science and technology to socioeconomic development on the African continent, the network of Regional Designated Centres (RDCs), and the African Network for Education in Nuclear Science and Technology (AFRA-NEST).

The event will be structured as a panel in an interactive interview style format. Videos and other visual material will be used to increase audience engagement.