

## Diversity and possibilities for Nuclear Technology

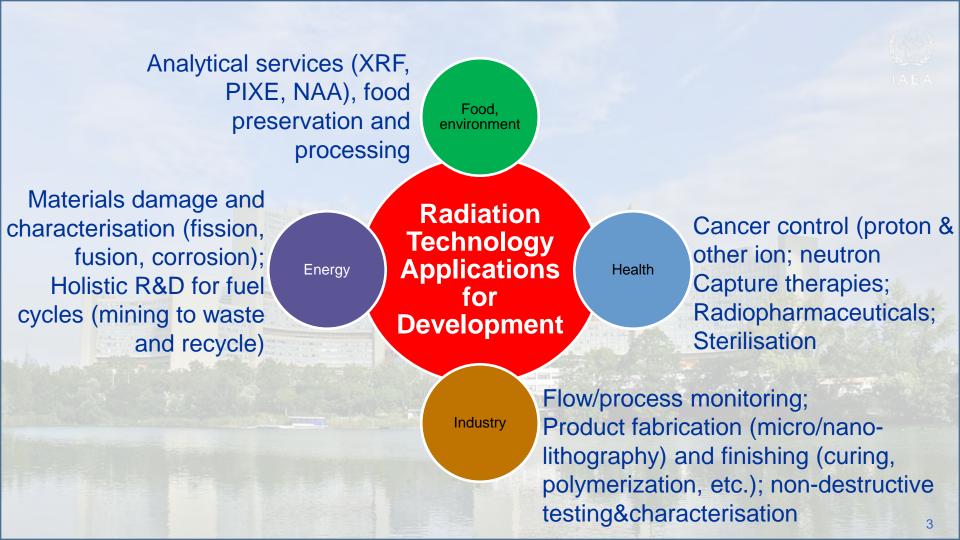
#### Najat Mokhtar

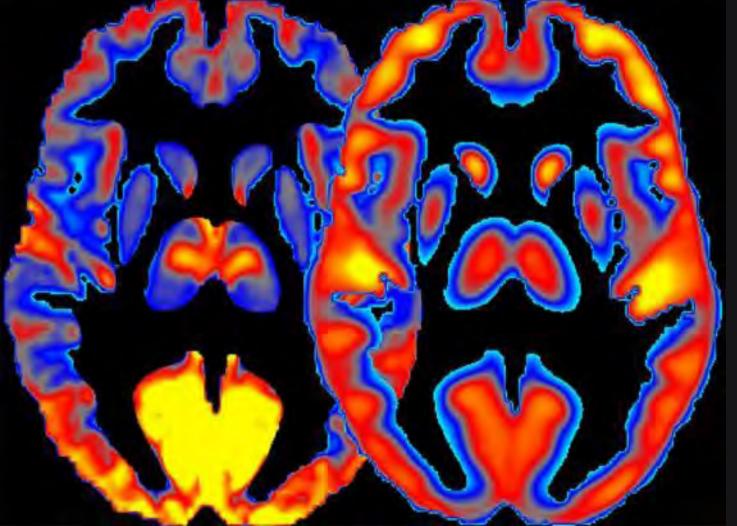
IAEA Deputy Director General
Department of Nuclear Sciences and Applications
International Atomic Energy Agency
52nd JAIF Annual Conference, Tokyo, Japan
April 10 2019



### The world of nuclear applications







Fostering the use of nuclear medicine and diagnostic imaging for both diagnosis and therapy for diseases



# In-house Food and Phytosanitary Irradiation



High-energy gamma rays form Cobalt-60





Low-energy electron beams and X-rays can be fitted on factory production lines

Current research includes a portable lowenergy X-ray irradiator that could treat fruit in boxes

## **Environment: Tackling marine plastics**



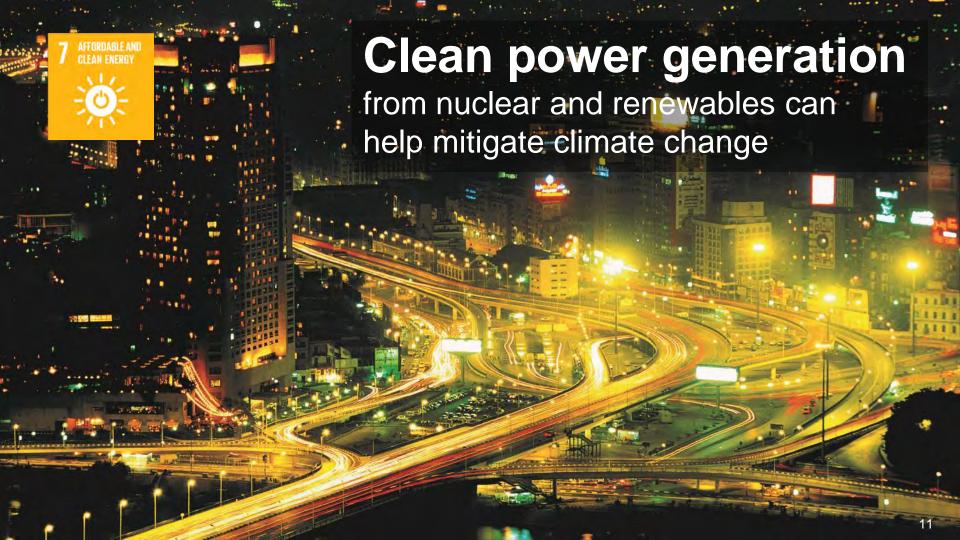






## COSMIC-RAY MUOGRAPHY

























## Thank you

### #atoms4life









