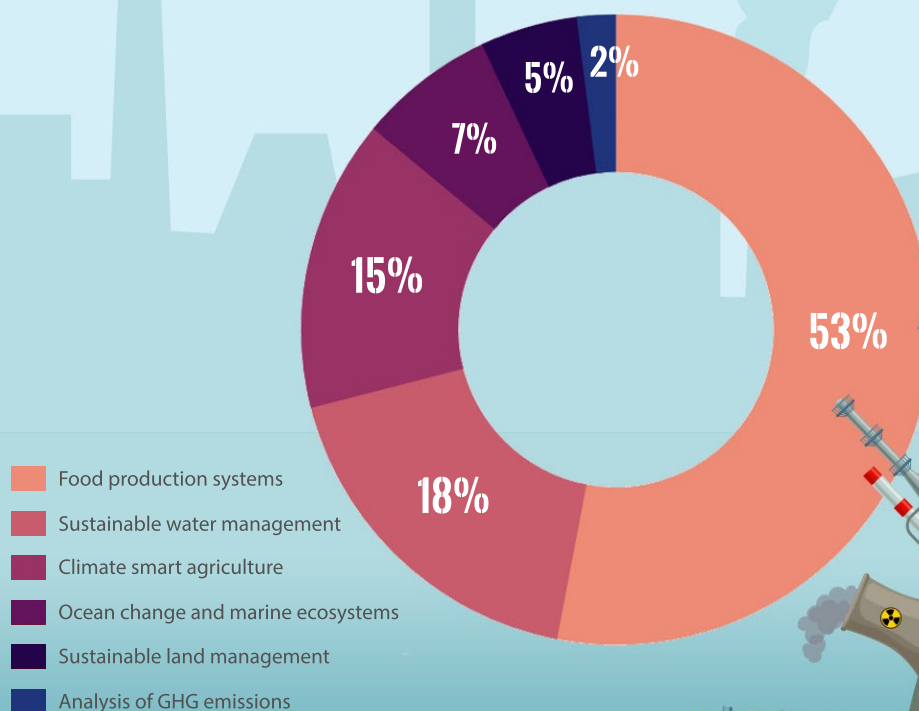


ROLE OF NUCLEAR SCIENCE IN CLIMATE CHANGE ADAPTATION

Compiled by Julius Cesar Trajano

Distribution of International Atomic Energy Agency's Nuclear Science for Climate Change Adaptation Projects by Area



Within each of these areas, nuclear technologies are deployed to advance climate science and/or to support countries in adapting to climate change. To illustrate, nuclear techniques offer substantial advantages over conventional techniques for the precise analysis and measurement of GHG emissions, for example, in the agricultural sector. In the area of climate smart agriculture, nuclear technology has helped improve many crops so that they can perform better in harsh environments or be resistant to new pathogens.

Adapted from source: IAEA. Nuclear Science and Technology for Climate Adaptation and Resilience: A Reference Document. Vienna: IAEA, 2021.