

Symposium on Peaceful Uses of Nuclear Science and Technology: Towards the 2015 NPT Review Conference and beyond



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International Atomic Energy Agency

Nuclear Sciences & Applications

Improving the diagnosis and treatment of **diseases**



Promoting **food security** and sustainable **agricultural development**



Providing knowledge & expertise for **science & industry**



Understanding and protecting the **environment**



Making more, and cleaner **water** available to more people



Food and Agriculture

Working towards **global food security**
in partnership with FAO

- Increasing livestock productivity and combatting **transboundary animal diseases**
- Supporting agricultural soil and water management and **“climate smart agriculture”**
- Developing **more productive and resilient crop varieties**
- **Controlling harmful insect pests**
- Strengthening **food safety** and supporting **agricultural trade**

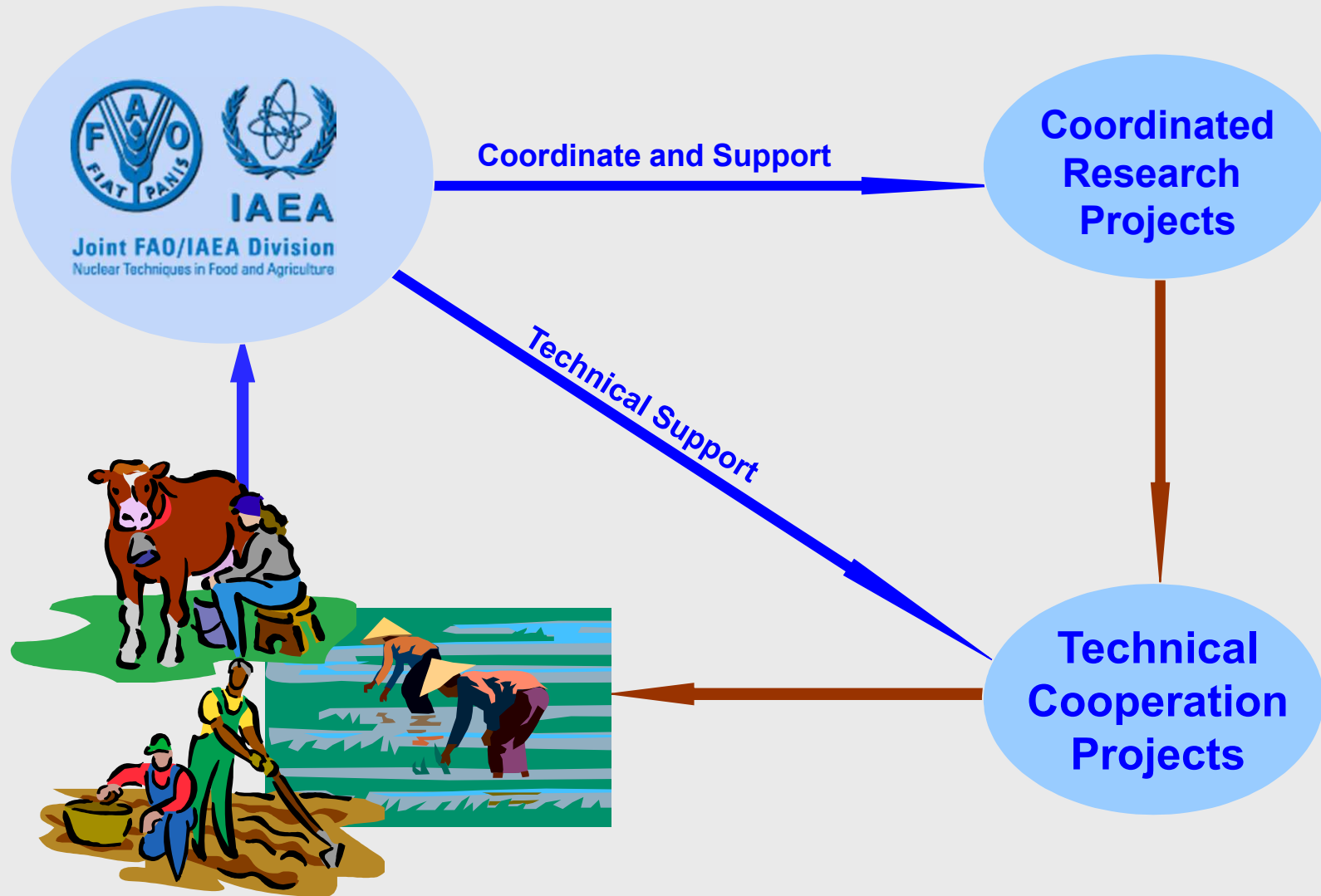


Nuclear / nuclear-related technologies

- *Radio- and stable- isotopic label and tracer techniques*
- *Radio- and stable- isotopic analytical techniques*
- *Radiation induced mutation*
- *Sterile Insect Technique and related applications*
- *Irradiation for food, post-harvest treatment, vaccine,*
- *Biotechnology with molecular radionucleotide marker assisted breeding, immunological analytical techniques, ...*



From the lab to the field



Success stories

- **Contribution to global freedom from rinderpest**
- **Mutation varieties with resistance to wheat stem rust-UG 99**
- **Eradication of tsetse fly in Zanzibar Island, Tanzania**
- **Regional Analytical Lab Network for food safety**
- **Water saving agriculture in 7 African countries**



For more information

www-naweb.iaea.org

