# Session objective

- To present how the priority needs of Member States are identified

- Some key considerations for implementation

# The vision that guides TC

*Technical cooperation seeks*
*to forge human and*
*institutional capacity in Member States*
*to safely utilize nuclear technologies*
*to address local needs, global issues, and*
*to contribute to national development.*

# Identifying Member States' needs
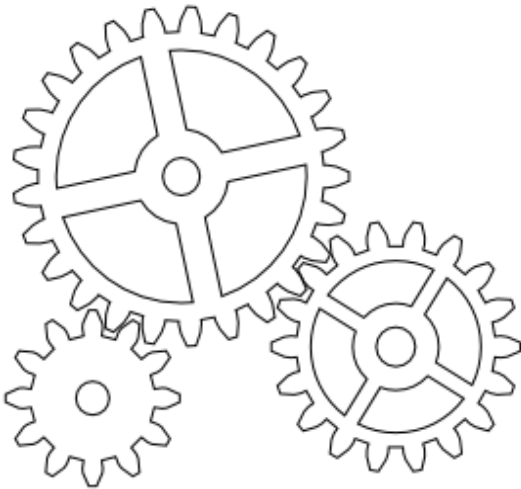
- Shared responsibility principle

- Agency staff must be aware of country's priorities

- Member States should be aware of Agency programmes

- Clarity on the role of nuclear science and technology in development

- Long term impact

# Identifying Member States needs

- ## Fact Finding Missions
  - Especially important for new Member States
- ## Country Programme Framework (CPF)
  - A descriptive planning process that identifies country needs and priorities
- ## Other important planning input
  - Identified national priorities
  - National Development Plans
  - UNDAFs
  - Regional priorities
  - SDGs

# The Country Programme Framework

- Identify issues to be addressed with nuclear technologies
- Outline the results expected in a given time frame
- Encourage MS to take ownership of the programme
- 94 currently valid CPFs as of September 2018

# From needs to objectives
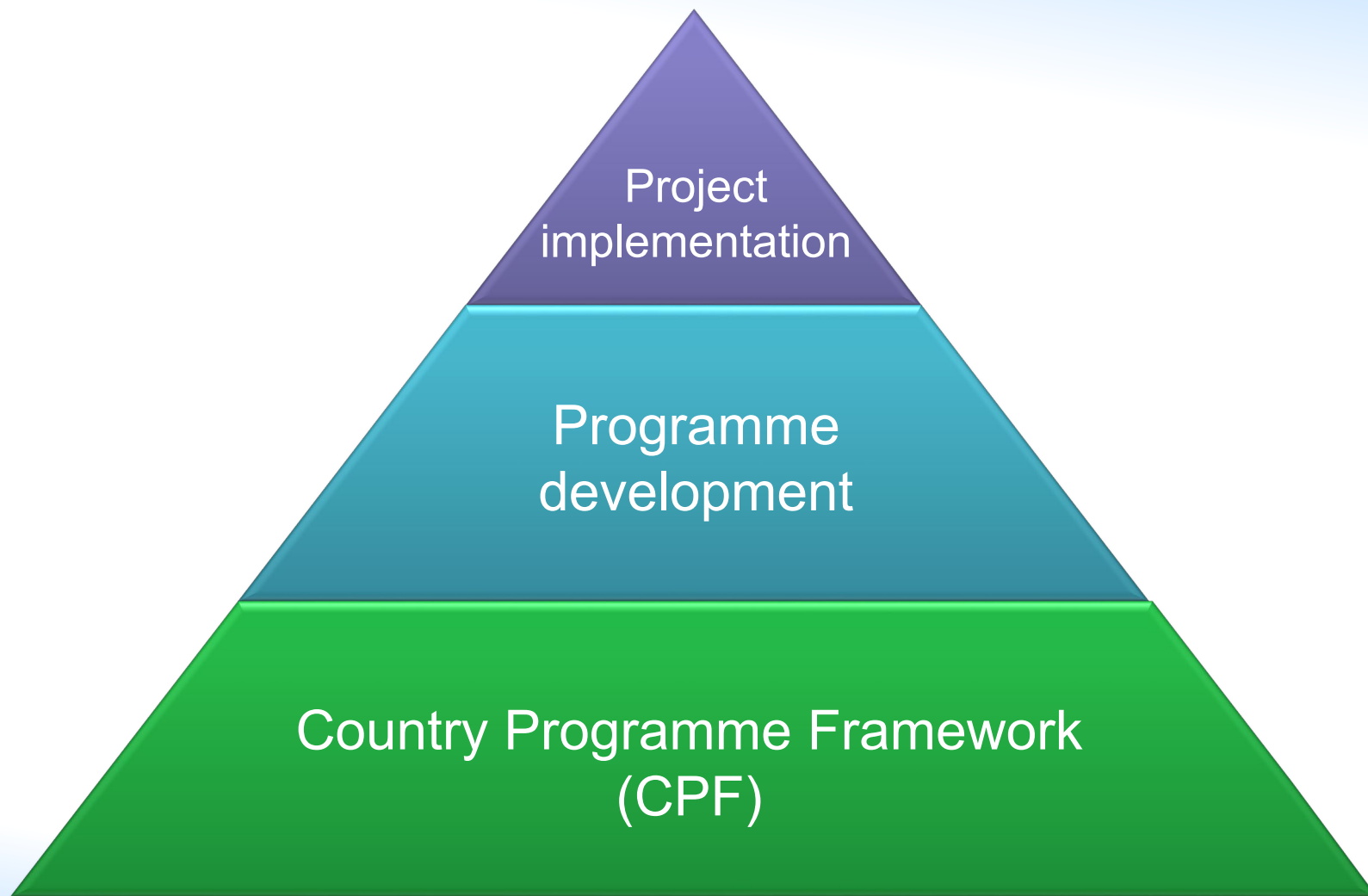
# Focusing on quality

**Scope**
- Logical Framework Approach (LFA)
- TC requirements

**Stakeholders/users**
- All participating Member States
- Relevant Secretariat staff in TDs and TC

**Quality assessments are carried out each biennium**
- project description, logical framework matrix, workplan

# Tools for quality and monitoring

| | E-PPAR | Field Monitoring Methodology (FMM) | Self-Evaluation (SE) | Outcome Monitoring (OM) |
|---|---|---|---|---|
| **Status** | On-going | On-going | On-going | Pilot |
| **Level** | Project | Project or programme | Project or programme | Outcome/Impact of project or programme |
| **Characteristics** | **Project progress**<br><br>• achievement of planned results<br><br>• feedback on the quality of TC inputs. | **Project implementation** progress according to quality criteria, including identification of corrective actions | **Assessment of project results** according to M&E criteria:<br><br>• Issues to be improved<br><br>• Lessons learned | **Achievement of expected change** (planned outcome) at MS level, following completion of project |

# IAEA portfolio of services

60 Years
IAEA
Atoms for Peace and Development

Assessment of Needs

Technical Advice

Training
(individual and in groups)

Equipment Support

Legislative Assistance

Fellowships

**TC support**

**Capacity building**

**Networking**

**Knowledge sharing**

**Partnership facilitation**

Peer Reviews

Advisory Services

Knowledge Networking

Support for Research

Technical Publications

Public Information

Reference Materials Support

## Capacity Building

- Training courses
- Fellowships
- Scientific visits
- Expert missions

## Procurement

- Radiotherapy machines
- Gamma irradiators
- Accelerators : E-beam, ion-beam
- Reactor vessel

## Safety and Security

- Strengthening regulatory safety infrastructure
- Legal issues

# Streamlined Fields of Activity

Safety and security

Industrial applications / radiation technology

Sustainable energy

Nuclear knowledge development and management

Health and nutrition

Food and agriculture

Water and the environment
- Water resources management
- Marine, terrestrial and coastal environments
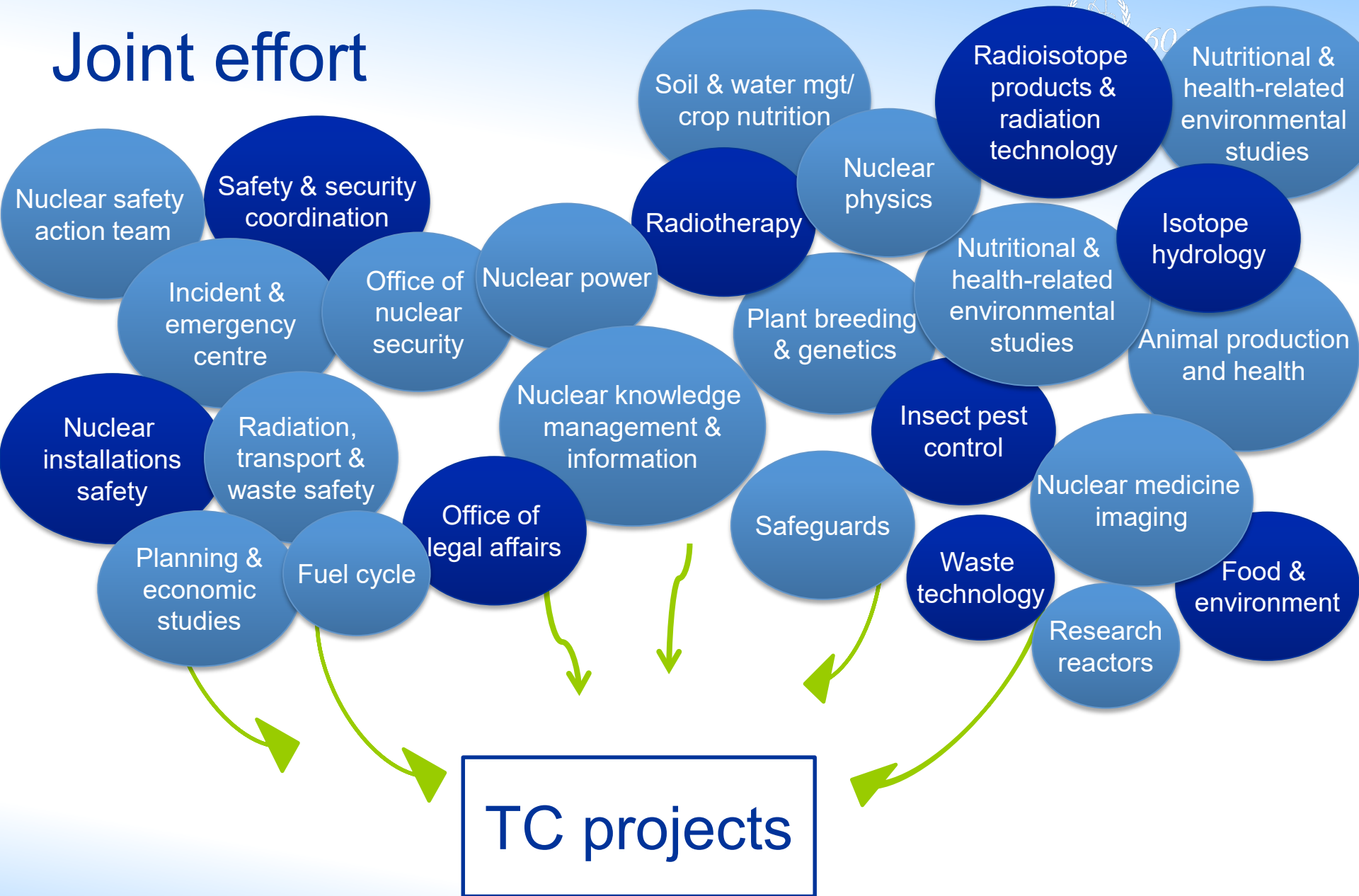
- 33 streamlined Fields of Activity
- Reported under 7 groupings

# One House Approach

- The TC Department manages the technical cooperation programme

- The Technical Departments are responsible for providing technical support

- Officers from TC and Technical Departments work in full partnership with counterparts to implement the programme

- A project is rarely a single strand activity

# Joint effort

- Soil & water mgt/ crop nutrition
- Radioisotope products & radiation technology
- Nutritional & health-related environmental studies
- Nuclear safety action team
- Safety & security coordination
- Nuclear physics
- Radiotherapy
- Isotope hydrology
- Incident & emergency centre
- Office of nuclear security
- Nuclear power
- Nutritional & health-related environmental studies
- Plant breeding & genetics
- Animal production and health
- Nuclear installations safety
- Radiation, transport & waste safety
- Nuclear knowledge management & information
- Insect pest control
- Nuclear medicine imaging
- Office of legal affairs
- Safeguards
- Waste technology
- Food & environment
- Planning & economic studies
- Fuel cycle
- Research reactors

**TC projects**

*Technical cooperation: delivering results for peace and development*