

Session IV: The International Development Context and the IAEA Technical Cooperation Programme

Geraldine Arias, Strategy and Partnerships Officer &

Susanne Nebel, Programme Planning Officer

TCPC, Department of Technical Cooperation



IAEA

International Atomic Energy Agency

Session Objectives

- TC contribution to global development priorities such as the Millennium Development Goals (MDGs).
- IAEA's participation in strategic partnerships, including the United Nations Development Assistance Framework (UNDAF) process.
- Examples of Strategic Partnerships with UN Organizations.

Development cooperation landscape



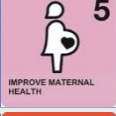



- Millennium Development Goals, to be achieved by all nations by 2015.
- Improving UN system-wide coherence in development and humanitarian work:
 - UN Reform
 - Relevance of UNDAF process
 - Quadrennial Comprehensive Policy Review (QCPR)
- Post-2015 development agenda currently under discussion: reflecting science and technology

IAEA Technical Cooperation: Addressing the MDGs with nuclear science and technology

- The TC programme provides assistance to MS in the development of national capacities in nuclear science and technology
- Science and technology play a critical role in achieving national development priorities, thus contributing to reaching the MDG targets.
- The IAEA provides new knowledge, best practices and research coordination.

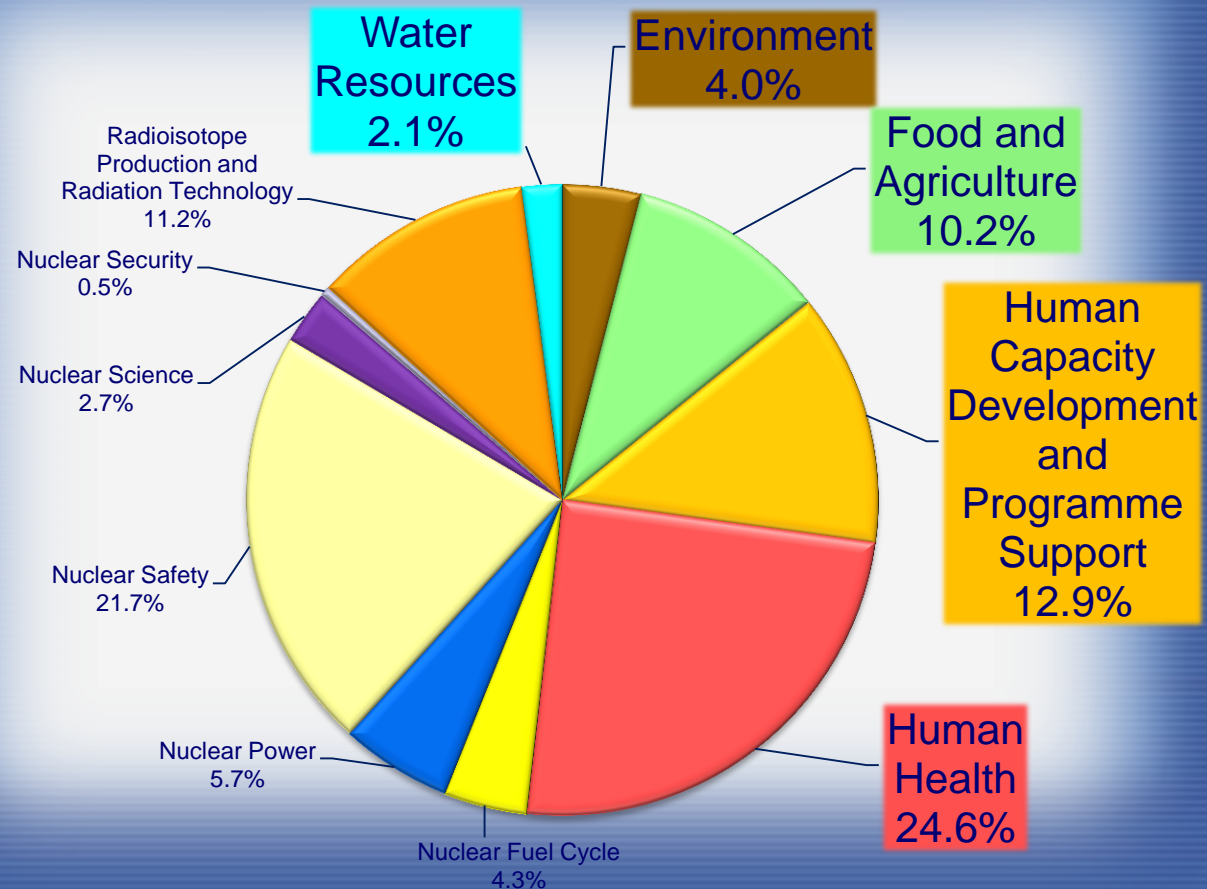
**UN Major
Conferences
and Summits**

TC projects contribute to the MDGs

		<i>\$ Disb. 2006</i>	<i>% of Total</i>	<i>\$ Disb. 2008</i>	<i>% of Total</i>
MDG1		6.7m	8.6%	12.5m	15.9%
MDG4		1.5m	2.0%	2.3m	2.9%
MDG5		14.6m	18.6%	19.4m	24.2%
MDG6		14.8m	18.9%	20.8m	26.0%
MDG7		7.2m	9.0%	13.1m	16.3%
MDG8		0.6m	0.8%	1.8m	2.3%

Partnerships: Essential for the IAEA

- More than half of the TC projects are in areas where the IAEA does not possess the lead UN mandate



Partnerships: Why?

- Policy obligations
- Programmatic collaboration for increased impact of TCP
- Maximizing use of nuclear applications by development partners, when relevant
- Increase access by TCP to resources (human, technical and/or financial)

Scope of IAEA Partnerships

Target

- IAEA Member States
- UN Organizations
- International and Regional Organizations

Levels

- HG/ international
- Regional
- National

Types

- Strategic
- Financial
- Technical

Ongoing TC partnership efforts

- Monitor and contribute to international development agenda proceedings (MDGs, QCPR, Post-2015 debate, global conferences, CEB, UNSG Reports)
- Raise awareness (bilaterals and multilaterals) about the contributions of nuclear applications in support of development
- Strengthening of collaboration with EC institutions
- Support Regional Divisions in UNDAF engagement
- Awareness raising vis-à-vis PMOs regarding potential for programmatic collaboration in TC projects
- Identification, with PMOs, of pilot JPs in key thematic areas
- Developing Practical Arrangements with interested partners (PAHO, UNIDO, UNCCD, UNICEF)

Partnerships with UN Organizations:

UNDAF Process

- Strategic framework for operational activities of the UN system at country level, building on comparative advantages of each organization
- Priorities respond to the country's national development priorities
- IAEA projects reflected as part of the UN Assistance to the country
- IAEA retains ownership of the projects and financial resources
- Counterparts: UN Resident Coordinator, Government, PMO, NLO

UNDAFs where IAEA is a signatory

Africa:

Botswana, Burkina Faso, C.A.R., Ethiopia, Gabon, Malawi, Mozambique, Namibia, Niger, Nigeria, Uganda, Zambia, Zimbabwe

Asia & Pacific:

Bangladesh, Mongolia, Nepal, Philippines, Sri Lanka

Europe:

Albania, Azerbaijan, Georgia, Kazakhstan, Moldova, Tajikistan, Ukraine

Latin America:

Belize, Bolivia, Dom. Republic, Jamaica, Panama

EXAMPLE: Kazakhstan UNDAF 2010–2015

- The UNDAF is addressing three inter-related priority areas to assist Kazakhstan in achieving its national competitiveness agenda:
 - 1) Economic and Social Well-Being for All
 - 2) Environmental Sustainability
 - 3) Effective Governance
- The IAEA, through its TC programme, is contributing to the first two areas by providing support in:
 - the health sector (nuclear medicine),
 - environmental monitoring of radiological hazards
 - agriculture (sustainable crop intensification through mutation breeding).

IAEA will support environmental monitoring programmes to improve awareness of radiological hazards in Kazakhstan.

Agency outcomes	Outputs	Role of UN Agencies/Partners	Resource mobilization targets, USD
Agency Outcome 1 Government, educators, communities, civil society and the academic community practice an integrated approach to sustainable development, natural resources management in national and transboundary perspectives.	Output 1.1. Systematic and sustainable follow-up systems and statistics will be developed for monitoring the environmental situation in Kazakhstan.	UNECE will assist in developing a systematic approach to environmental statistics, providing continuity and sustainability in the irregular monitoring activities of environment issues. IAEA will support environmental monitoring programmes to improve awareness of radiological hazards in Kazakhstan. Partnership: Ministry of Environment Protection, Kazakhstan Atomic Energy Committee.	\$60,000 UNECE \$50,000 IAEA
	Output 1.2. Sustainable environmental financing mechanisms developed and applied to increase funding from state and other sources for biodiversity conservation.	UNDP will support the Ministry of Environment and Committee for Forestry and Hunting to capitalise the Biodiversity Trust Fund, develop micro-crediting schemes in rural areas and identity instruments to catalyze finance. Partnership: Ministry of Environment Protection, Committee for Forestry and Hunting, Global Environment Fund (GEF).	\$400,000 (RR) \$4,000,000 (OR) UNDP
	Output 1.3. Central and local actors acquire tools and methodologies for ecosystem-based assessment and management of biodiversity conservation and access to sustainable water services.	UNEP will support building capacity of the country to increasingly integrate an ecosystem management approach into development and planning. UNDP will support the Committee for Water Resources of the Ministry of Agriculture, Ministry of Environment and river basin organizations in promoting river basin councils and IWRM plans at national and river basin levels as well as community involvement in water management. UNECE will support national institutions of the International Fund for Saving the Aral Sea (IFAS), the Interstate Coordination Water Commission (ICWC) and the Basin Water Organization "Syrdarya" within implementation of a comprehensive regional programme on modernizing the legal basis and strengthening institutional frameworks for regional water resources management. UNECE will support national environmental and water authorities in the development of efficient and coordinated policies on water-quality aspects of IWRM. UNECE will provide support in strengthening the national dam safety legal and institutional frameworks as well as regional cooperation mechanisms on dam safety.	\$100,000 UNEP \$ 2,050,000 (OR) UNDP \$75,000 UNESCO \$200,000 UNIDO \$750,000 FAO \$130,000 UNECE

Opportunities for IAEA partnerships at local and global level

- Builds on global framework of partnerships for key global challenges
- UNDAF process serves as an entry point, but is not an end in itself.
- Moving towards concrete strategic and technical partnerships with UN organizations based on thematic priorities

Benefits of Thematic Partnerships

- Improved socio-economic impact of TC projects by reaching end users and beneficiaries outside the lab
- Improved public understanding of how nuclear technology and the TC Programme contribute to a clean environment and green growth and health
- Enhanced knowledge of the peaceful uses of nuclear technology, thus improving public perception.

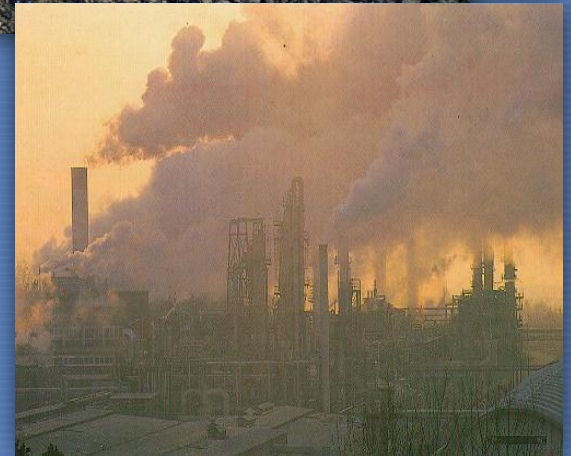
IAEA Partnerships – Global Themes

Immense Challenges – We need joining hands

- Climate Change
 - Green Economy – UNIDO, UNDP, UNEP
 - Climate Smart Agriculture - FAO
 - Sustainable Land Management – UNCCD, WOCAT
- Micronutrient Undernutrition – Hidden Hunger
 - Micronutrient Supply and biofortification – UNICEF, SUN

Radiation for Cleaner Industrial Production Processes

- Cleaning flue gases and producing fertilizer as a by-product
- Treatment of wastewater
- Breaking down or removing POPs
- Disinfecting sewage sludge and enhancing composting
- Remediating contaminated soil (dioxin)



Thematic Partnership with UNIDO

- National Cleaner Production Centers (NCPC)

Promotion of nuclear industrial technology and capacity building with NCPCs of Vietnam, Cambodia, Malaysia and Philippines

South Africa, Egypt, Kenya forthcoming

Waste Water Treatment in Vietnam and Cambodia
complementary to UNIDO's TEST Programme

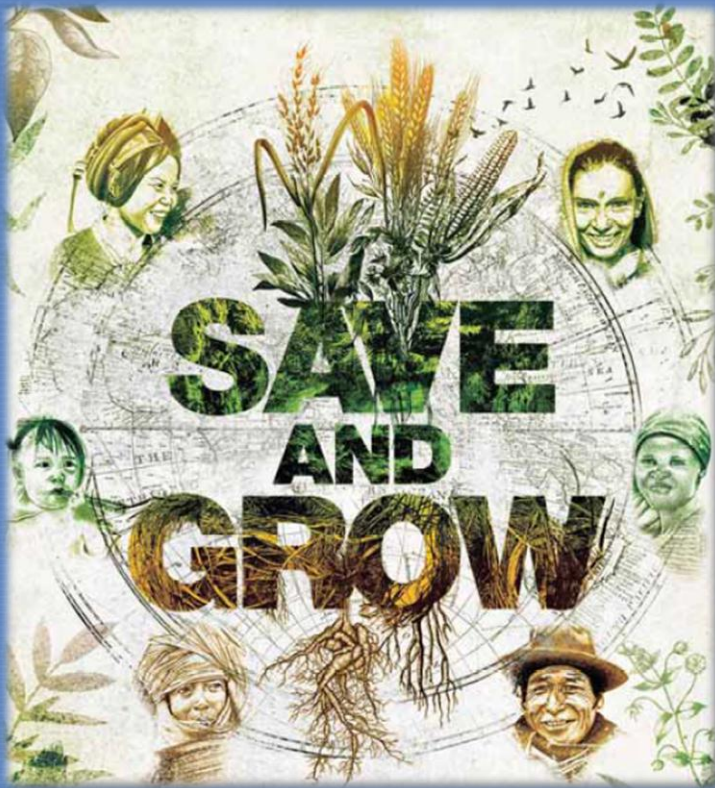
Needs assessment, national workshop and demonstration plant (cooperation with Korea)

8 national and 12 regional projects in field of radiation and industrial application.

Food and Agriculture

- Agricultural soil-water-nutrient management (irrigation)
- Breeding crop varieties adjusted to drought, salinity
- Animal disease control (Rinderpest)
- Measuring and reducing greenhouse gas emissions

Thematic Partnership with FAO



147 active TC projects related to food.

Combatting Land Degradation and Drought

- Measuring water content of soils
- Identify hot spots of soil degradation
- Trace movement of nitrogen fertiliser to optimize nitrogen use efficiency
- Identify soil erosion patterns
- Isotopes, fallout radionuclides and cssi serving as tracers

Thematic Partnership with UNCCD



United Nations Convention to Combat Desertification
(UNCCD) Land degradation and drought

28 active TC projects in agricultural water and soil mgt.

Thematic Partnership at Global Level



Soil Science Collaboration Centers Database

28 active TC projects in agricultural water and soil mgt.

Human Health-Nutrition

- Assess status and evaluate nutrition intervention:
 - Assessing micronutrient bioavailability (iron, zinc) and body reserves (Vitamin A)
 - Assessing Breast feeding practices
 - Assessment of maternal body composition (fat mass, lean mass) in response to an intervention (food suppl, fortification...)

Thematic Partnership with UNICEF

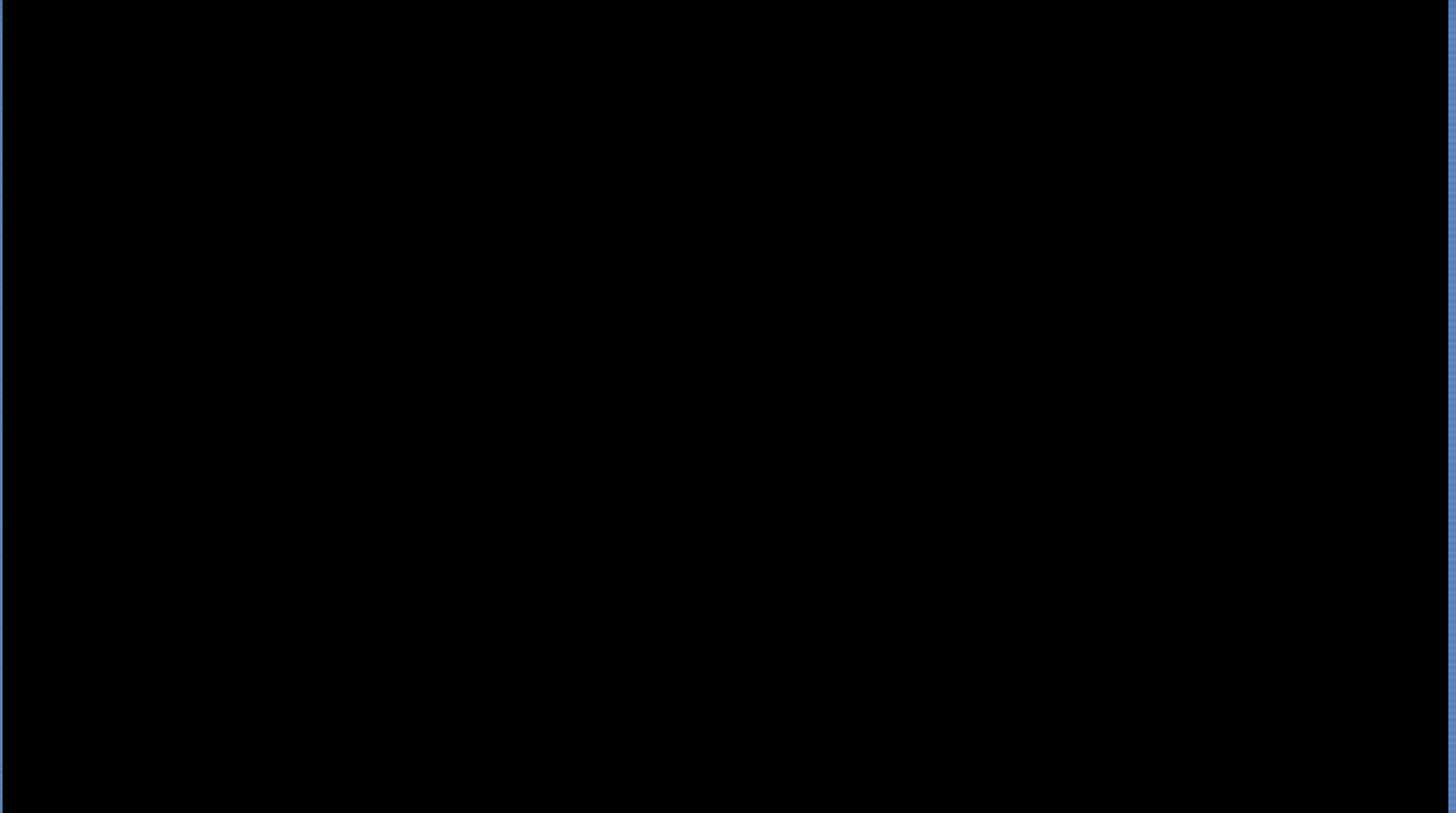


19 active TC projects in nutrition for improved health.

Lessons of Thematic Approach

- Partnerships
 - through Partnerships with UN Agencies, (FAO farmers field schools, UNICEF nutrition programs) we can have an impact on real lives
- Key development priorities
 - (such as Cleaner Industrial Production, Climate smart Agriculture) serve as entry point for partnership building
- Speak the language of your partners

VIDEO: Partners



*Technical cooperation:
delivering results for
peace and
development*

