We would like to invite you to participate in this survey on IAEA TC PROGRAMME ACHIEVEMENTS IN THE 21ST CENTURY (PART II). Your insights will provide invaluable data that will enable us to measure and document the progress and impact that our collective efforts have brought about since the beginning of the 21st century.

The information gathered through the survey will be used to develop comprehensive publications that will be used to inform research into the impact of the TC programme and to guide the programme's development in the future.

PART 1. INFORMATION ABOUT RESPONDENT

* 1. Please sel	lect your role the from dropdown list
* 2. Please sel	lect your country from the dropdown list
* 3. Please ente	r your first and last name
First Name	
Last Name	

PART 2
THEMATIC AREAS

* 4. In which of the following thematic areas has the IAEA TC programme made a substantial contribution to the socio-economic change in your country?
FOOD and AGRICULTURE
HEALTH and NUTRITION
ENERGY PLANNING and NUCLEAR POWER
INDUSTRIAL APPLICATIONS and RADIATION TECHNOLOGY
WATER and ENVIRONMENT
SAFETY AND SECURITY
FOOD and AGRICULTURE
5. In which of the following Fields of Activity has the TC programme made a substantial contribution to socio-economic change in your country?
Increased sustainable crop and improved climate resilience in agriculture
Improved food authenticity, quality and reduce contaminants and residues in the food supply
Enhanced livestock
Improved surveillance , detection , and control of major insect pests of agricultural and veterinary importance, including emerging or re-emerging zoonotic diseases
FOOD and AGRICULTURE Increased sustainable crop and improve climate resilience in agriculture
6. How many National New Seed Distribution Programmes have been supported by IAEA TC programme are currently in place in your country?

7. How many operational labs that have been supported by IAEA TC Programme are applying enhanced biotechnology and accelerated mutation techniques in your country?
8. Please provide the names of the operational labs that have been supported been by IAEA TC Programme in your country applying enhanced biotechnology and accelerated mutation techniques .
FOOD and AGRICULTURE Improved food authenticity, quality and reduce contaminants and residues in the food supply
9. How many labs have been established in your country with the support of the IAEA TC programme for food authenticity , food safety , and related purposes?
10. Please provide the names of the labs supported by the IAEA TC programme that have been established in your country for food authenticity , food safety , and related purposes.
11. How many testing laboratories supported by the IAEA TC programme are currently in place in your country?

12. Please provide the names of the testing laboratories supported by the IAEA TC programme that are currently in place in your country.		
5	rany radiation surveillance programmes in your re supported by the IAEA TC programme?	
Yes	○ No	
FOOD and AGRICU Livestock production	LTURE	
country due to the intro	reported increase in food security in your oduction of genetic breeding techniques as a the IAEA TC programme?	
Yes	○ No	
<u> </u>	ries, institutions or centres with capacity for and breeding practices have been supported by	
-	mes of the laboratories, institutions or livestock reproduction and breeding the IAEA TC programme:	

FOOD and AGRICULTURE

Improved surveillance, detection, and control of major insect pests of Agricultural and Veterinary importance, including emerging or reemerging zoonotic diseases

17. How many centres in your country have received IAEA TC programme support for developing, planning, and implementing regional or area-wide strategies for pest control specifically targeting fruit flies?
18. Please provide the names of the centres in your country that received support from the IAEA TC programme to develop, plan and implement regional or area-wide strategies for pest control , specifically targeting fruit flies?
19. How many centres in your country have received IAEA TC programme support to develop, plan and implement regional or area-wide strategies for pest control , specifically targeting mosquitoes?
20. Please provide names of the centers that have been supported by IAEA TC Programme in developing, planning, and implementing regional or area-wide strategies for pest control specifically targeting mosquitoes ?
21. How many centres in your country have received support from the IAEA TC programme to develop, plan and implement regional or area-wide strategies for pest control of pests such as new world screwworm , etc.?

es of the centres in your country that hav AEA TC programme to develop, plan and wide strategies for pest control of pests su etc.?	
ce system in place in your country for the tigulated insect pests and vectors that has programme?	
○ No	
cour country have received IAEA TC cally for COVID-related efforts?	
f the centers in you country that have been EA TC Programme specifically for COVID -	en –
	AEA TC programme to develop, plan and wide strategies for pest control of pests su etc.? e system in place in your country for the ti gulated insect pests and vectors that has programme? No No our country have received IAEA TC cally for COVID-related efforts?

26. In which of the following Fields programme made a substantial con in your country?	s of Activity has the IAEA TC tribution to socio-economic change
	for cancer and other NCDs, including on related control ensure integration of diagnostics and neer control strategy
Increased production and use of safe radio medical applications	isotopes and radiopharmaceuticals to be used in
Increased effectiveness of nutrition progra	ammes interventions and practices
Improved surveillance , detection and cont emerging zoonotic diseases that affect hun	crol of major insect pests, including emerging or renan health
HEALTH and NUTRITION Improved imaging and treatment cape including on related safety and securi ensure integration of diagnostics and comprehensive cancer control strategy 27. Have your country had a Ministicancer control programme (NCC)	try considerations; on cancer control treatment interventions in try of Health endorsed national
Yes	○ No
28. Have your country had a nation governance structure/ system?	al cancer control programme (NCCP)
Yes	○ No
29. How many diagnostic imaging of established in your country with the s	
What is the total number ?	
How many of them are currently in operation ?	
How many of them are not yet operational ?	
How many of them are no longer in operation?	

following time periods.				
	Established	Supported	Enhanced cooperation regionally	N/A
2000-2004	\bigcirc	\bigcirc	\bigcirc	
2005-2009	\bigcirc	\bigcirc	\bigcirc	\bigcirc
2010-2014	\bigcirc	\bigcirc	\bigcirc	
2015-2019		\bigcirc	\bigcirc	
2020-2023	\bigcirc		\bigcirc	
Other (please specif	ỳ)			
country that	vide the names have received ntly in operatio	support throug		
	treatment-rela ave been establi ramme?			
What is the total n u	ımber?			
How many of them a	are currently in opera	tion?		
How many of them a	are not yet operationa	1?		
How many of them	ere no longer in oner a	tion?		

30. Please indicate the kind of **support** that your country has received for diagnostic **imaging centres** through the IAEA TC programme during the

33. Please indicate the type of support that education programmes in your country (for all professions) have received from the IAEA TC programme during the following time periods.				
	Established	Suppported	Enhanced cooperation regionally	N/A
2000-2004		\bigcirc		\bigcirc
2005-2009		\bigcirc	\bigcirc	\bigcirc
2010-2014		\bigcirc	\bigcirc	\bigcirc
2015-2019		\bigcirc	\bigcirc	\bigcirc
2020-2023	\bigcirc	\bigcirc		\bigcirc
Other (please specif	y)			
24 Plane in d				
	icate the type of y have received t e periods.		TC programme of	
	Established	Supported	cooperation regionally	N/A
2000-2004	\bigcirc	\bigcirc		\bigcirc
2005-2009	\bigcirc	\bigcirc	\bigcirc	\bigcirc
2010-2014		\bigcirc		\bigcirc
2015-2019	\bigcirc	\bigcirc		\bigcirc
2020-2023	\bigcirc	\bigcirc		\bigcirc
Other (please specif	y)			
_	vide the names c eived support th		2	

Increased production and use of safe radioisotopes and radiopharmaceuticals to be used in medical applications

36. Please indicate the **type** of **support** that **medical cyclotron facilities** in your country have received from the IAEA TC programme during the following **time periods.**

	Established	Supported	Regional Cooperation	N/A
2000-2004	\bigcirc			\bigcirc
2005-2009	\bigcirc	\bigcirc	\circ	\bigcirc
2010-2014	\bigcirc	\bigcirc	\bigcirc	\bigcirc
2015-2019		\bigcirc		\bigcirc
2020-2023			\bigcirc	\bigcirc
Other (please specify))			
the IAEA TC pr		urrently using	have received s medical radioi	
received supp o	ort from the IAI	EA TC program	in your country me that are curr maceutical pre	rently using
39. Has your	country receive	ed support fron	n the IAEA TC p	rogramme for

the establishment of governance for radiopharmaceutical health

O No

regulations?

O Yes

Increased effectiveness of nutrition programmes interventions and practices

programme contrib u	ion in your country in collaboration with the IAEA TO ted to evidence-based decision-making on national programmes for children?
Yes	○ No
programme contribute	tions in your country in collaboration with IAEA TC ed to evidence-based decision-making on national programmes for children?
partnership with IAEA	names of institutions in your country that, in TC programme, have made contributions to n-making on national nutrition intervention dren?
programme contrib u	ion in your country in collaboration with IAEA TC uted to establishment or modification in nutrition regnant women and infants?
Yes	○ No
programme contribute	tion in your country in collaboration with IAEA TC ed to establishment or modification in nutrition pregnant women and infants?

partnership with IAEA	ames of institutions in your country that, in C programme, have made contributions to cation in nutrition policies/strategies for nfants?
programme, made co	on in your country in partnership with the IAEA ntributions to establishment or modification in rategies for the elderly population?
Yes	○ No
TC programme, have m	ons in you country in partnership with the IAEA ade contributions to establishment or n policies/strategies for the elderly population
partnership with the IA	ames of institutions in your country that, in EATC programme, have made contributions to cation in nutrition policies/strategies for the

Improved surveillance, detection, and control of major insect pests including emerging or re-emerging zoonotic diseases affecting human health

49. How many centres in your country have received support from the IAEA TC programme to develop, plan and implement Sterile Insect Technique for mosquito pest control?		
50. Please provide the names of the centres in your country that have received support from the IAEA TC Programme to develop, plan and implement Sterile Insect Technique for mosquito pest control?		
51. How many centres in your country have received support from the IAEA TC programme to develop, plan and implement Sterile Insect Technique for control of zoonotic diseases?		
52. Please provide the names of the centres in your country that have received support from the IAEA TC programme to develop, plan and implement Sterile Insect Technique for control of zoonotic diseases?		
ENERGY PLANNING and NUCLEAR POWER		
53. In which of the following Fields of Activity has the IAEA TC programme made a substantial contribution to socio-economic change in your country?		
Improved energy planning and inform policies to meet future energy needs		
Supported clean energy production and safe introduction, operation, and lifetime management of nuclear power		

ENERGY PLANNING and NUCLEAR POWER

Improved energy planning and inform policies to meet future energy needs

54. Has your country utilized IAEA er energy plans? Please select all tools t	
WASP	
MAED	
FINPLAN	
MESSAGE	
SIMPACTS	
No, we have not used any of these tools	
Other (please specify)	
ENERGY PLANNING and NUC Supported clean energy production and lifetime management of nuclear power	
55. If your country already has an ope programme (NPP), in what areas has the IAEA TC programme:	-
Site characterization	Life extension
Transition to operation	Decommissioning
Lifetime cycle (long-term operation)	

	ve been reached?
INDUSTRIAL APPLICATIONS FECHNOLOGY	and RADIATION
58. In which of the following Fields programme made a substantial cont in your country?	of Activity has the IAEA TC ribution to socio-economic change
Improved efficiency, productivity, quality, a technology	and safety across industries, using nuclear
Increased the safe and effective utilization , o	operation, and maintenance of research reactors
TECHNOLOGY Improved efficiency, productivity, qualitating nuclear technology 59. In which areas are non-destructused in your country? Please select a options:	tive testing (NDT) applications being
Structural and damage assessment of buildings (e.g., after earthquakes, etc.)	Sterilization and disinfection of medical components
	Monitoring and optimization of industrial
Analysis of paintings and other cultural heritage items	processes
	Industrial radiography for inspecting materials and detecting hidden flaws by using
heritage items Identification and assessment of material	Industrial radiography for inspecting

60. How many irradiators are currently operational in your country?		
61. Please indicate the relevant thematic areas in your country that use industrial applications of irradiation . Select all that apply from the following options:		
Food safety		
Medical sterilization (skin, blood, medical equipment)		
Industrial applications - Radiotracers		
Industrial applications - Environmental remediation and industry (industrial-scale electron beam facilities for wastewater treatment or flue gas purification from coal-fired boilers)		
Industrial applications - Materials modification : Changing chemical, physical, and biological properties to produce novel materials		
Cultural heritage (characterization and preservation of artifacts)		
Other (please specify)		
INDUSTRIAL APPLICATIONS and RADIATION TECHNOLOGY		
Increased the safe and effective utilization, operation, and maintenance of research reactors		
62. Is there a national strategic plan in place in your country for research reactors ?		
63. Is there a regulatory framework established in your country with the support of the IAEA TC Programme for research reactors ?		
○ Yes ○ No		

64. How many research reactors in your country have obtained licenses or been commissioned with the assistance of the IAEA TC Programme?
65. How many research reactors in your country have undergone enhancements in their operation, utilization, and safety with the assistance of the IAEA TC Programme?
WATER and ENVIRONMENT
66. In which of the following Fields of Activity has the TC Programme made a substantial contribution to socio-economic change in your country?
Improved integrated, sustainable land and water management practices for agriculture and freshwater resources
Improved management and reduced pollution of land, air, coastal ecosystems, and the oceans, including from plastics
WATER and ENVIRONMENT Improved integrated, sustainable land and water management practices for agriculture and freshwater resources
67. How many laboratories in your country have received support from the IAEA TC programme to establish or consolidate themselves as credible institutions for sample analysis, data interpretation, decision making and consultation?
68. Please provide the names of these laboratories.

	ased water resource management strategy or is currently being developed, in your country with A TC programme?	
Yes	○ No	
	dary operational cooperation arrangements applied sins used data or monitoring mechanisms supported mme?	
If yes, please specify w	hich arrangements have made use of this support.	
Yes	○ No	
If yes, please specify which arra	ngements have made use of this support.	
	ONMENT nd reduce pollution of land, air, coastal ans, including from plastics.	
the prevention , reme air, coastal zone, and	ons and/or strategies in place in your country for diation, and sustainable management of land, marine environment that have been developed IAEA TC programme?	
Yes	○ No	

Tollowing factors: if yes, pr	ease tick the corresponding box:
Harmful Algal Blooms	Microplastics
Acidification	□ No
Other (please specify)	
and strategies in your coun	mme supported the establishment of plans try for the remediation or management of aminated by nuclear substances?
Yes	○ No
	TY .
9	Fields of Activity has the IAEA TC ital contribution to socio-economic change in
programme made a substant	Fields of Activity has the IAEA TC ial contribution to socio-economic change in
programme made a substant your country?	Fields of Activity has the IAEA TC ial contribution to socio-economic change in
programme made a substant your country? [Improved nuclear installation sates]	Fields of Activity has the IAEA TC ial contribution to socio-economic change in fety
programme made a substant your country? Improved nuclear installation sately Improved radiation safety AFETY AND SECURIT inproved nuclear installation sately 75. Has the national governational governations.	Fields of Activity has the IAEA TC ial contribution to socio-economic change in fety

76. In how many nuclear power plan strengthened with the support of TC p	-
77. In how many nuclear fuel cycle f been enhanced with the support of TC	
78. In how many research reactors in enhanced with the support of TC progr	
SAFETY AND SECURITY Improved radiation safety	
Please respond below with "Yes" or "No	" for each question.
79. Has the governmental and reguradiation safety in your country bee support of the IAEA TC programme?	llatory infrastructure needed for en established or enhanced with the
Yes	○ No
80. Has radiation protection for wo strengthened in your country with	orkers, patients, and the public been the support of IAEA TC programme?
Yes	○ No
81. Has the management of radioac improved with the support of the IAI	
Yes	○ No

preparedness and response been established or enhanced in your country with the support of the IAEA TC Programme?		
Yes	○ No	
83. Has the safety of radiation material transport in your country been enhanced with the support of the IAEA TC programme?		
Yes	○ No	

82. Have national capabilities and arrangements for emergency

Thank you for your participation!

Your response has been successfully recorded. Your feedback will contribute to improving the IAEA TC programme. We sincerely thank you for taking the time to complete this survey.

We appreciate your input and look forward to working with you in the future.

Best regards, 2023 TC Survey Team Department of Technical Cooperation IAEA