

PROJECT PROGRESS ASSESSMENT REPORT (PPAR)

Regional Projects

		Explanations
SECTION-1: BASIC INFORMATION		
Project Number and Title	RAS/5/087 Promoting Food Irradiation by Electron Beam and X Ray Technology to Enhance Food Safety, Security and Trade	<i>(prefilled)</i>
List of Participating Countries	Australia, Bangladesh, China, Fiji, India, Indonesia, Japan, Malaysia, Mongolia, Myanmar, Nepal, New Zealand, Pakistan, Philippines, Republic of Korea, Singapore, Sri Lanka, Thailand, Vietnam	
Report Compiled by	<input type="checkbox"/> DTM ¹ <input checked="" type="checkbox"/> LCC ² <input type="checkbox"/> LPC ³ <input type="checkbox"/> PC ⁴ <input type="checkbox"/> PSC ⁵ Name: Tran Minh Quynh Institution: Vietnam Atomic Energy Institute	
1st Year of Approval	2020	
Estimated Duration	2020-2023 (4 years)	
Expected End Date	31/12/2023	
Total Project Budget <i>(as per IAEA White Book)</i>	EUR 300,300	
Reporting Period	January – December 2020	<i>Specify reporting period: months and year</i>
Report Contributors	NPCs	<i>Other contributors to the report besides counterpart</i>
Has there been any major change that affected the project?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, tick to specify nature of change(s): <input type="checkbox"/> DTM <input type="checkbox"/> LCC <input type="checkbox"/> LPC <input type="checkbox"/> PC <input type="checkbox"/> PSC <input type="checkbox"/> CP ⁶ <input type="checkbox"/> NLO ⁷ <input type="checkbox"/> PMO ⁸ <input type="checkbox"/> TO ⁹ <input type="checkbox"/> Budget/funding; <input checked="" type="checkbox"/> Other (<i>specify</i>) [Provide explanation] The first coordination meeting arranged in Hanoi, 9-13 March 2020 have to cancel and replace by the virtual first meeting on 3-4 September 2020.	<i>Select "Yes" or "No" and, if "Yes", please tick relevant box(es) and describe nature of impact</i>
SECTION-2: OUTPUTS ACHIEVEMENT		
<i>Select status of Output and briefly describe elements of progress towards target indicators: (1st column prefilled)</i>		
Output 1: Project initiation completed and national project plans generated. Indicator(s): Work plan reviewed and adopted	<input checked="" type="checkbox"/> Completed <input type="checkbox"/> On schedule <input type="checkbox"/> Delayed <input type="checkbox"/> Other (<i>specify</i>) [Provide explanation]..... Though delay due to COVID-19, all GPs except China approved their own national work plans and discussed in the first virtual meeting	<i>Select status and provide explanation/ supporting background information (e.g., Why is the output delayed? What mitigation measures have been taken to solve the issue?)</i>
Output 2: A comparative analysis of different radiation modalities completed and solutions to key technical barriers to the establishment of EB/X ray facilities. Indicator(s): a) analysis of different radiation to all GP; b) RTC on future EB/X-ray technology; c) Recommendations to harmonize food regulation based on maximum energy of X-	<input type="checkbox"/> Completed <input checked="" type="checkbox"/> On schedule <input type="checkbox"/> Delayed <input type="checkbox"/> Other (<i>specify</i>) [Provide explanation] A comparative analysis of differences among food irradiators (gamma, EB, and X-ray facilities) has been prepared and circulated to all participating members during the first virtual meeting. - A draft "Harmonization of regulations on the permitted maximum energy of X-rays used to process food is 7.5 MeV" was prepared and circulated for feedback.	

rays for FI to be 7.5 MeV; d) Directory of XEB/X-ray suppliers		
Output 3: An inter-comparison exercise in dosimetry Indicator(s): The exercise for irradiated food completed and assessed	<input type="checkbox"/> Completed <input type="checkbox"/> On schedule <input type="checkbox"/> Delayed <input checked="" type="checkbox"/> Other (<i>specify</i>) [Provide explanation]..... Modified due to COVID-19 pandemic. E-learning on radiation quarantine of fresh fruits and dosimetry systems will be prepared and shared by resource countries	<i>Insert additional rows if more than 4 outputs</i>
Output 4: Food industry engaged by setting up national and regional fora for the food trade that use updated resource materials and identify industry needs. Indicator(s): Two regional workshops held with food trade representatives in year 2 and year 3. National fora completed New EB/X-ray facilities are installed and/or operated for food irradiation.	<input type="checkbox"/> Completed <input checked="" type="checkbox"/> On schedule <input type="checkbox"/> Delayed <input type="checkbox"/> Other (<i>specify</i>) [Provide explanation]..... RTCs, national fora are delayed to 2022 due to COVID	
Output 5: A resource document providing an overview of EB and X ray food irradiation technology for the food industry submitted as an IAEA publication. Indicator(s): Document endorsed at final project meeting and forwarded to IAEA publications section	<input type="checkbox"/> Completed <input checked="" type="checkbox"/> On schedule <input type="checkbox"/> Delayed <input type="checkbox"/> Other (<i>specify</i>) [Provide explanation].....	

SECTION-3: EQUIPMENT & HUMAN RESOURCES

Based on TC Input categories, rate overall contribution towards achievement of project Outputs of Procurement and Human Resources capacity building Activities implemented thus far

Equipment (EQ)/ Sub-Contract (SC)	<input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Very Good <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor [Provide explanation].....	<i>Select overall rating and provide explanation/ supporting background information deemed relevant to support rating (E.g., Is the procured EQ on schedule as regards delivery/ custom clearance/ installation-commissioning/ utilization? If not, what is being done to overcome difficulties? How did/ will the training received through FEs/ SVs support the establishment of new services? Are the trainees still employed? How did/ will the technical guidance received during/after EMs help improve capabilities of the Counterpart Institute? Was/will the knowledge and experience gained by TC/ WS participants shared/ be shared among colleagues to enhance institutional performance? How was/ will this done/ be done?)</i>
Expert Missions (EM)	<input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Very Good <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor [Provide explanation].....	
Fellowships (FE)	<input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Very Good <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor [Provide explanation].....	
Scientific Visits (SV)	<input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Very Good <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor [Provide explanation].....	
Training Courses (TC)	<input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Very Good <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor [Provide explanation].....	
Meetings (MT)/ Workshops (WS)	<input type="checkbox"/> Not Applicable <input type="checkbox"/> Very Good <input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor [Provide explanation] The virtual first meeting had not enough time for discussion and most participants could not showed their active and responsibilities.	

SECTION-4: COMMENT AND RECOMMENDATIONS BY DTM/ LC/ LPC/ PC/ PSC		
Rating by DTM/ LC/ LPC/ PC/ PSC	Your project performance: <input type="checkbox"/> Very Good <input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input type="checkbox"/> Very Poor [Provide explanation].....	<i>Select rating based on experience thus far and provide explanation/ supporting background information deemed relevant to support rating</i>
	The support received from the Agency: <input type="checkbox"/> Very Good <input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input type="checkbox"/> Very Poor [Provide explanation] Agency facilitate to project team members	
Lessons learned	Management and performance the projects under unpredictable, serve conditions. Only virtual events can be held during pandemic.	<i>Highlight key factors of success / failure that can promote/ hinder the achievement of project outputs and may impact TC Programme delivery</i>
Recommendation(s) by DTM/ LC/ LPC/ PC/ PSC to:	<input checked="" type="checkbox"/> PMO: Share the experiences and further support for the host countries to conduct regional events as smoothly as possible <input type="checkbox"/> TO Provide all necessary support for PCs <input type="checkbox"/> Government(s) Further support for NPT to induce the committed activities and achieve the project objectives; Provide adequate administrative and financial support for the successful implementation of the project <input type="checkbox"/> CP Management <input type="checkbox"/> Other (specify)	<i>Select addressee and provide recommendation(s) to be addressed</i>
SECTION-5: OUTCOME PROGRESS: (1st column prefilled)		
Outcome Statement ... Outcome Indicator(s) ...	<input type="checkbox"/> Achieved <input checked="" type="checkbox"/> To be achieved as planned (on schedule) <input type="checkbox"/> Delayed <input type="checkbox"/> Other (specify) [Provide explanation].....	<i>Select status and provide explanation/ supporting background information (e.g., based on the outcome indicator and its target value, to what extent the outcome is being achieved? Is there any deviation from expectations? Why?)</i>

SECTION-6: SUBMISSION BY DTM/ LC/ LPC/ PC/ PSC		
Submission by LCC	Date: 18 January 2021	<i>Day, Month and Year</i>
	Remarks: LCC The project activities are being implemented as planned	<i>Provide any additional remark deemed relevant</i>
SECTION-7: FEEDBACK BY IAEA ON THE REPORT		
Comments by TO(s)	<input type="checkbox"/> Very Good <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input type="checkbox"/> Very Poor [Provide explanation].....	<i>Rating and feedback from TO(s) on the report</i>
Comments by PMO	<input type="checkbox"/> Very Good <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input type="checkbox"/> Very Poor [Provide explanation].....	<i>Rating and feedback from PMO(s) on the report</i>

¹DTM: Designated Team Member

³LPC: Lead Project Coordinator

⁵PSC: Project Scientific Consultant

⁷NLO: National Liaison Officer

⁹TO: Technical Officer

²LCC: Lead Country Coordinator

⁴PC: Project Coordinator

⁶CP: Counterpart

⁸PMO: Programme Management Officer

The Workplan of RAS5087 in 2021

No.	Title of Event	Date	Objective/purpose	Remarks
1	RTC on EB, X-ray Technology and Future of Food Irradiation	July 2021	<p><u>Objective:</u> To provide knowledge on the EB/X-ray technology, international regulations and practices of food irradiation using machine for RCA region</p> <p><u>Target participants:</u> (Junior members of national project team; food industries)</p> <p><u>Estimated number:</u> 30 domestic and 30 abroad participants</p> <p><u>Host country:</u> Vietnam</p>	<p>Face-to-face for home participants and virtual for others from all GPs</p> <p>~ 5-7 lecturers 4 working days</p>
2	Home-based assignment (HBA) to develop E-learning materials on dose mapping for the EB radiation phytosanitary of fresh fruits	July to October 2021	Vietnam (Vinagamma) or Australia (Steritech)	~ 15-20 working days
3	Home-based assignment (HBA) to develop E-learning materials on harmonization of regulations on X-ray for food irradiation	August to November 2021	N/A	~ 15-20 working days
4	Procurement: ESR Spectrometer Mini Scope MS 5000 (Alanine/EPR Dosimetry system to measure absorbed doses ranging from 10 Gy to 80 kGy)	...	Calibration the dosimetry systems for food irradiation	