



# **Updated Report of the Feasibility Study for RCA Scholarship Programme**

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**Introduction and Background**

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# 1. Introduction of RCA SPS

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The 44<sup>th</sup> Regional Meeting of National Representatives was held on 19-21 April 2022, via video conferencing.

**The Meeting requested the Committee to submit a report on the feasibility study to the 51<sup>st</sup> GCM for consideration and decision.**

# 1. Background of FS

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- The 44<sup>th</sup> RCA NR Meeting, all GPs noted on the benefits that the programme could bring to the region in strengthening HRD of nuclear science and technology and related nuclear applications.
- The **Feasibility Study (FS)** is **carried out and coordinated** by the RCA Scholarship Committee chaired by Viet Nam, with the constant support from the experts from the IAEA

# 2. Contents of Feasibility Study



## Part 1: Executive summary

-> summarize the main content in FS report

## Part 2: Feasibility study report

**V21, 4<sup>th</sup> Meeting of RCA SPS  
and NRs circulated on 1 Sep.**

**Version 26**

1. Introduction
2. Objectives of FS report
3. Rationale of HRD in RCA Region
4. Proposed RCA Scholarship Programme
5. Implementation arrangement
6. Risks analysis
7. Conclusions and remarks 5



Update the FS  
from the comments  
and recommendations

1. Introduction
2. Rationale of HRD in RCA Region
3. Proposed RCA Scholarship Programme
4. Risks analysis

# 2. Contents of Feasibility Study

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## Part 1: Executive summary

-> summarize the main content in FS report

## Part 2: Feasibility study report (Version 26)

1. Introduction

2. Objectives of FS report

3. Rationale of HRD in RCA Region

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# 2. Contents of Feasibility Study



1. Introduction
- 2. Objectives of FS report**
3. Rationale of HRD in RCA Region
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## **The objectives of the FS are to:**

- 1) Determine the **rationale** of RCA Scholarship programme in RCA GPs;
- 2) Determine the **financial resources** required to meet these needs under possible scenarios
- 3) Identify the availability and sources of required **financial resources**.

# 2. Contents of Feasibility Study



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## **Proposed RCA Scholarship Programme (pilot phase-3 years)**

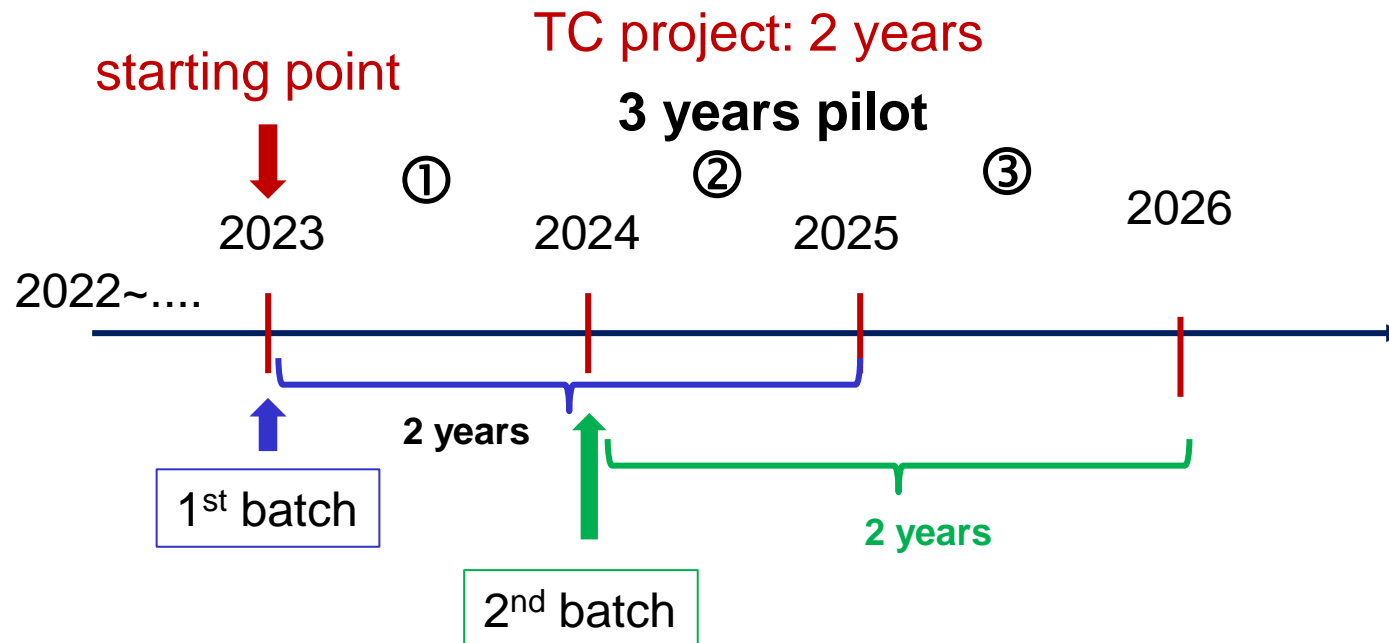
- Develop programme from the small to bigger scale
- Focus on Master's Programme first
- Focus on the “**Domestic/National Training**” first for developing and least-developed countries
- After reviewing, this RCA Scholarship could expand for bigger scale



## 2. Outline of Feasibility Study

### 3.1. Resource mobilization and financial plan

- For the pilot phase (3 years), RCA Scholarship will be should be envisaged to combine TCF, up to 80% and 20 % from the RCA GPs by in-kind contribution (Classroom, research equipment, lecturer)
- Developing a HRD TC Project for the management and implementation of the RCA SPS (**consideration in 2023**)



## 2. Contents of Feasibility Study



- **Group 1: 6 countries with well-developed postgraduate programmes:** Japan, Republic of Korea, China, Australia, New Zealand and Singapore.
- **Group 2: 10 countries with developed postgraduate programmes:** Thailand, Viet Nam, Indonesia, Malaysia, Philippines, Bangladesh, Pakistan, Sri Lanka, Mongolia and India.
- **Group 3: 6 countries in the process of developing postgraduate programmes:** Laos, Cambodia, Fiji, Palau, Nepal and Myanmar.

**Scenario 1:** The RCA Scholarship Programme will be implemented for all countries with domestic training approach (average 6 awards/year/GP). In the first year, **115** awards will be given.

**Engaging the participation of all GPs.**

The estimated total investment cost of the RCA Scholarship: **3,250,378 US\$**

Source	Amount	Share of total (%)
IAEA	2,600,302 US\$	80%
GPs	650,075 US\$	20%

**However, High investment rate**

## 2. Contents of Feasibility Study



**Scenario 2:** GPs will be divided into **2 groups**:

**Group 1** is the resource group with the countries which have well-developed postgraduate programmes (**6 countries**).

**Group 2** is the **developing and least-developed countries** (**16 countries**).



- Help to **narrow the gap** of human resource between these countries and developed countries while **optimizing the mobilized resource**.
- Make a **greater impact** for developing and least-developed countries

**Education supports are needed**

## 2. Contents of Feasibility Study



### Proposal of education supports:

- ⇒ Thailand support Philippine and Myanmar
- ⇒ Vietnam will support Laos, Cambodia
- ⇒ Australia and New Zealand will support Fiji
- ⇒ Indonesia will support Palau
- ⇒ India will support Nepal

**Scenario 2:** The estimated total investment cost of the RCA Scholarship:  
**1,606,666 US\$**

**84 awards** from the developing countries and least-countries

Still High investment rate

Source	Amount	Share of total (%)
IAEA	1,285,333 US\$	80%
GPs	321,333 US\$	20%

# 2. Contents of Feasibility Study



**Scenario 3:** GPs will be divided into 2 groups: **Group 1** is the resource group with the country which has well-developed postgraduate programmes (6 countries).

**Group 2** is the target countries and least-developed countries. The estimated total investment cost of the RCA Scholarship: **881,714US\$**

**Reduce 42 awards** from the developing countries and least-developed countries

⇒ Thailand support Philippine and Myanmar

⇒ Vietnam will support Laos, Cambodia

⇒ Australia and New Zealand will support Fiji

⇒ Indonesia will support Palau

⇒ India will support Nepal

Source	Amount	Share of total (%)
IAEA	705,371 US\$	80%
GPs	176,342 US\$	20%

## 2. Contents of Feasibility Study



In summary:

No	No of Award	Total cost	Share of total (%)	
			IAEA 80%	GPs 20%
Scenario 1	115	3,250,378 US\$	2,600,302 US\$	650,075 US\$
Scenario 2	84	1,606,666 US\$	1,285,333 US\$	321,333 US\$
Scenario 3	42	881,714US\$	705,371 US\$	176,342 US\$

**In-kind contribution:**  
Classroom, research  
equipment,...

**Feasible to implement the RCA Scholarship**

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## Implementation arrangements

- Development of Terms of Reference (TOR) (**already done**)
- Proposal of **Guideline** for RCA Scholarship (**already prepared**)
- Qualification and criteria for Applicants (**already prepared**)

# 3. Conclusion and remark



- The RCA Scholarship programme essential to sustain the high quality nuclear workforce in RCA GPs.
- **3 scenarios** of resource mobilization Scholarship plan are analyzed
- Among 3 scenarios, the **scenario 3 is feasible** to implement the RCA Scholarship programme **during the pilot phase**
- In order to maintain and sustain this Programme, it is necessary to have the **strong commitment of finance support from IAEA and the GPs**
- We strong recommend that IAEA must **build up the HRD TC Project** to sustain and ensure the finance mobilization for this Programme.





Thank You Any Questions?