

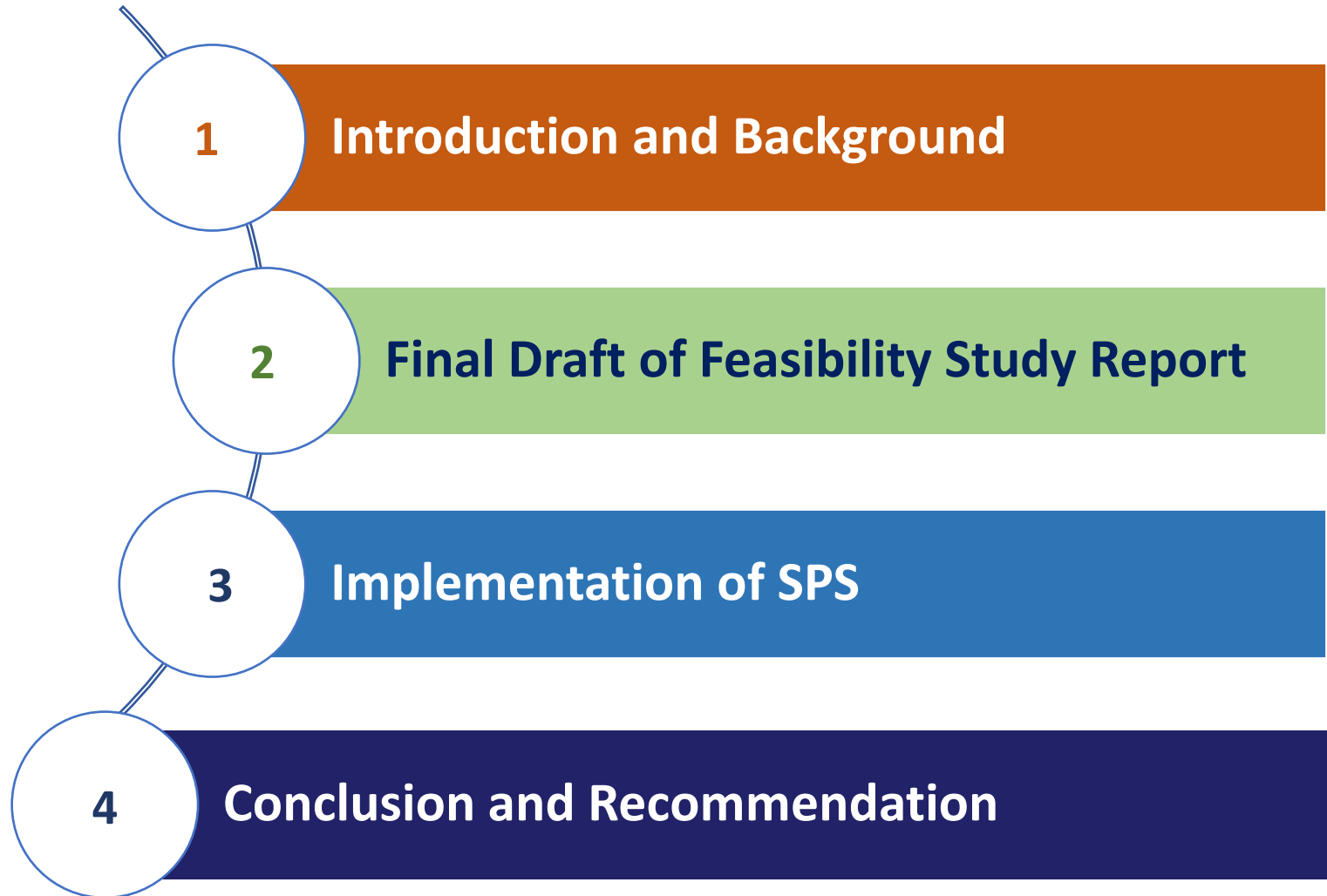


Report of the Committee of the RCA Scholarship Programme

Development of RCA Scholarship

Chair of the RCA SPS Committee

Content



Premise

- Human resources are KEY for successful nuclear programs/ plans (for any tasks)

- Dr. Khaled Toukan

Director of Jordan Atomic

Energy Commission (JAEC):



“Human resources are the most important for any nuclear program. It is a need to build national nuclear capability, because if there will be a problem relevant to safety, no other country will solve it for you, except your national capability.”

In that sense, it is necessary to educate, train and efficiently use the human resources”.

Issues for Consideration



- HRD as an enabler for achieving sustainable development
- The cross cutting implication of HRD in all development activities
- The Asia and Pacific Context in terms of availability of social economic, and intellectual capital
- The diversity of needs and capabilities in the region and the demonstrated willingness and commitment of RCA SPs.
- Potential for HRD cooperation from other regions (for example: Russia)

Current Status of HRD



- Within the RCA framework, the building of the nuclear workforce has been carried out for many years under the RCA programme
- Short-term training courses from one to two weeks are implemented
- This raises the need to establish a long-term training programme in the field of NS&T to build a high standard nuclear workforce in the Asia and Pacific region

1. Introduction and Background



- **The 50th RCA GCM**, 16-17 Sep 2021 approved in principle the concept of **RCA Scholarship Programme** in **Science, Technology, Engineering and Mathematics-STEM (RCA SPS)** and endorsed to establish a Committee to develop the details of the Scholarship Programme to be reported to the 44th NRM for its approval.
- **The 1st Meeting** of the RCA SPS Committee was held on 25 Jan 2022. Accordingly, VIE was voted and endorsed by NRs of RCA as the Chair of the Committee and SIN as the Vice-Chair.



*Preparation of **LAUNCHING** RCA SPS September 2023*

1. Introduction and Background



- **The 2nd Meeting** of the RCA SPS Committee was held on 18 March 2022 to develop the necessary documents for launching the RCA Scholarship

1. Terms of reference (RCA SPS Committee)

2. Survey of Host University

3. Guideline for application and related application forms

3.1 Application Procedure

3.2 Related Application forms

1. Introduction and Background



- The 44th Regional Meeting of National Representatives was held on 19-21 April 2022, via video conferencing.
- On behalf of RCA Scholarship Committee, VIE has presented the preparation process of the documents to launch the Scholarship at the 50th Anniversary of RCA in September 2022
- The 44th RCA NR Meeting 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 Meeting requested the Committee to submit a report on the feasibility study to the 51st GCM for consideration and decision.

1. Introduction and Background



- 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

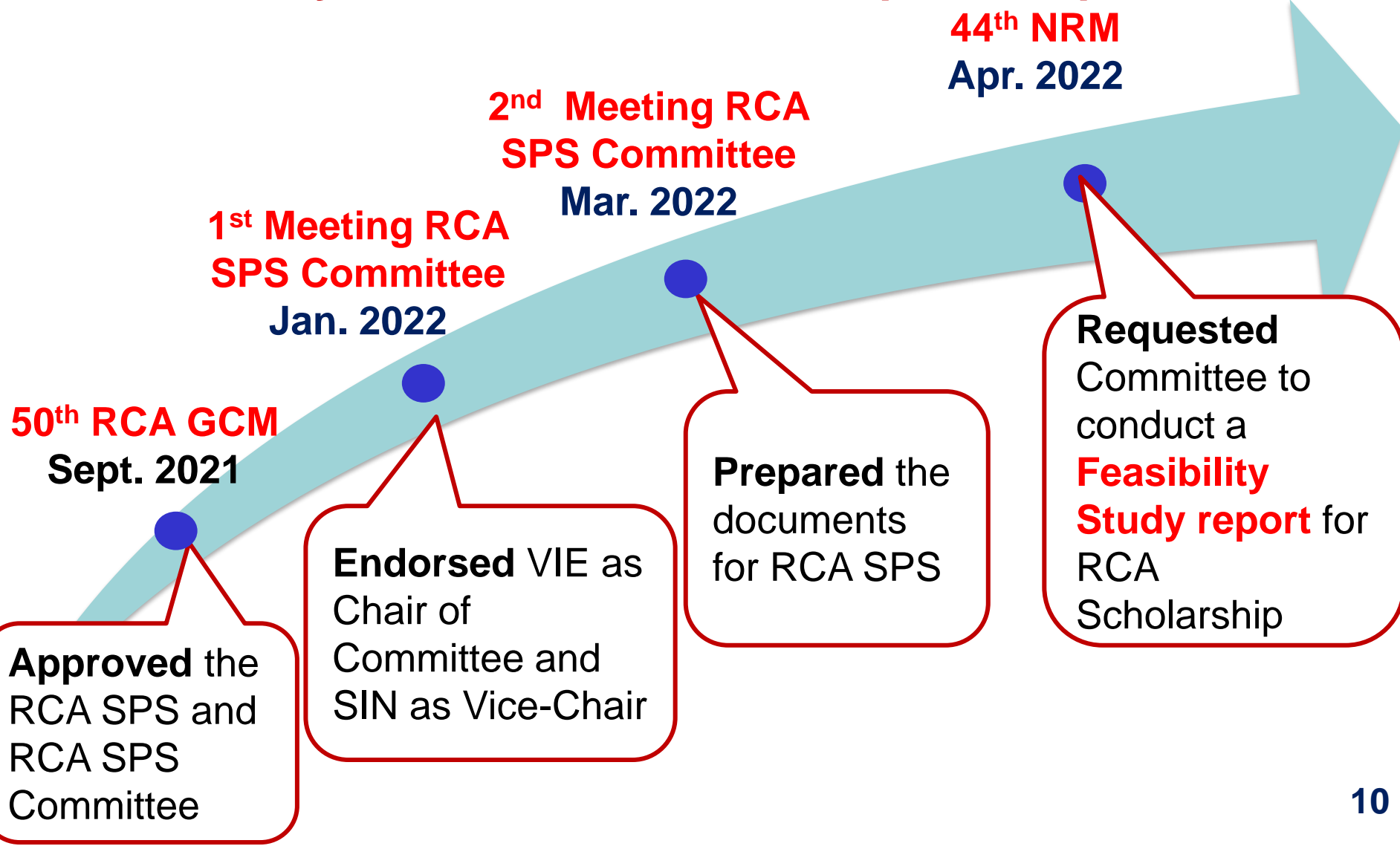


- **The 3rd Meeting** of the RCA SPS Committee was held on **27 May 2022**. VIE has presented the **Content and Timeline** to conduct the **Feasibility Study report** for RCA Scholarship Programme

1. Introduction and Background

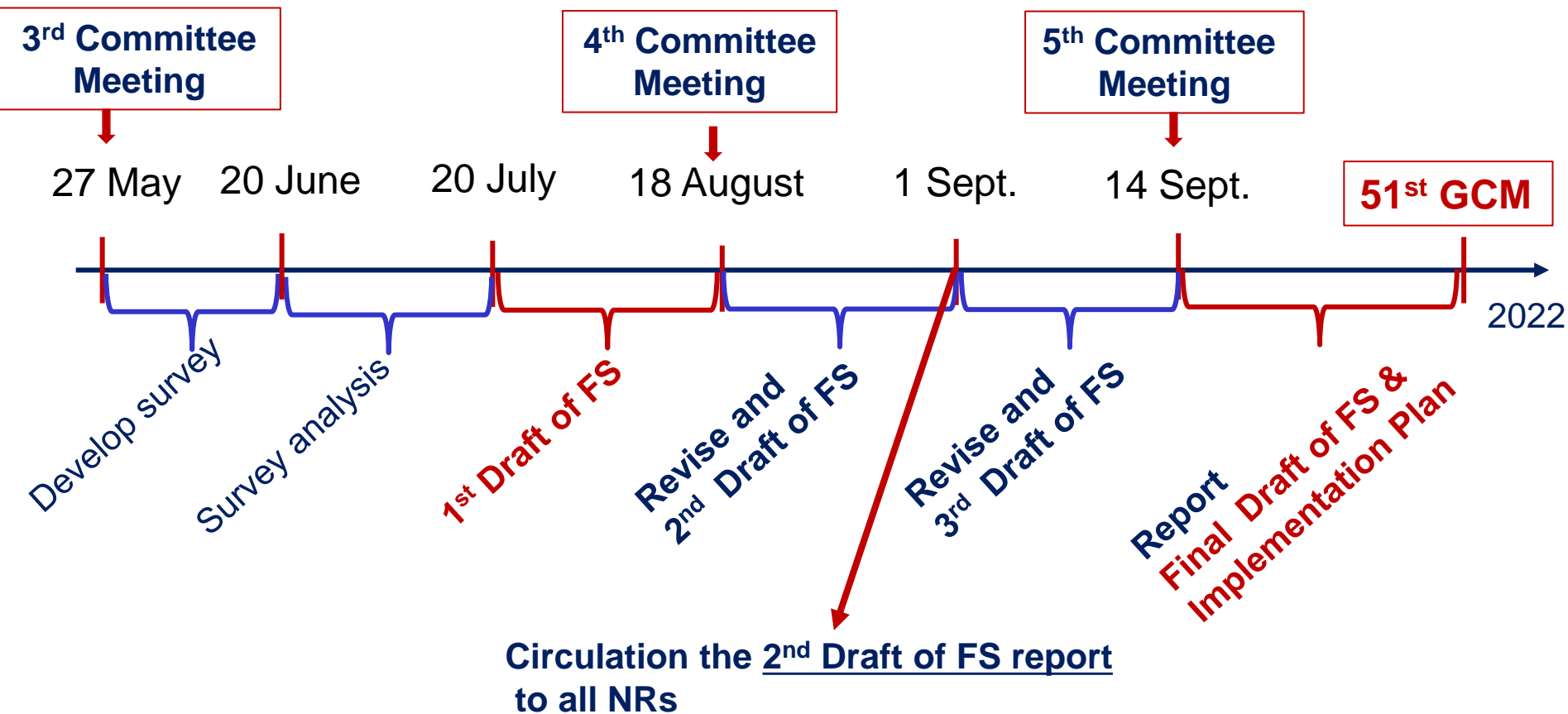


Summary of RCA SPS Scholarship Development



1. Introduction and Background

Timeline for FS report Development



1. Introduction and Background



Content of Feasibility Study Report for RCA Scholarship

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

2. Final Draft of FS Report



Part 1: Executive summary

-> summarize the main content in FS report

Part 2: Feasibility study report

1. Introduction

2. Objectives of FS report

3. Rationale of HRD in RCA Region

4. Proposed RCA Scholarship Programme

5. Implementation arrangement

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7. Conclusions and remarks

2. Final Draft of FS Report



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. Final Draft of FS Report



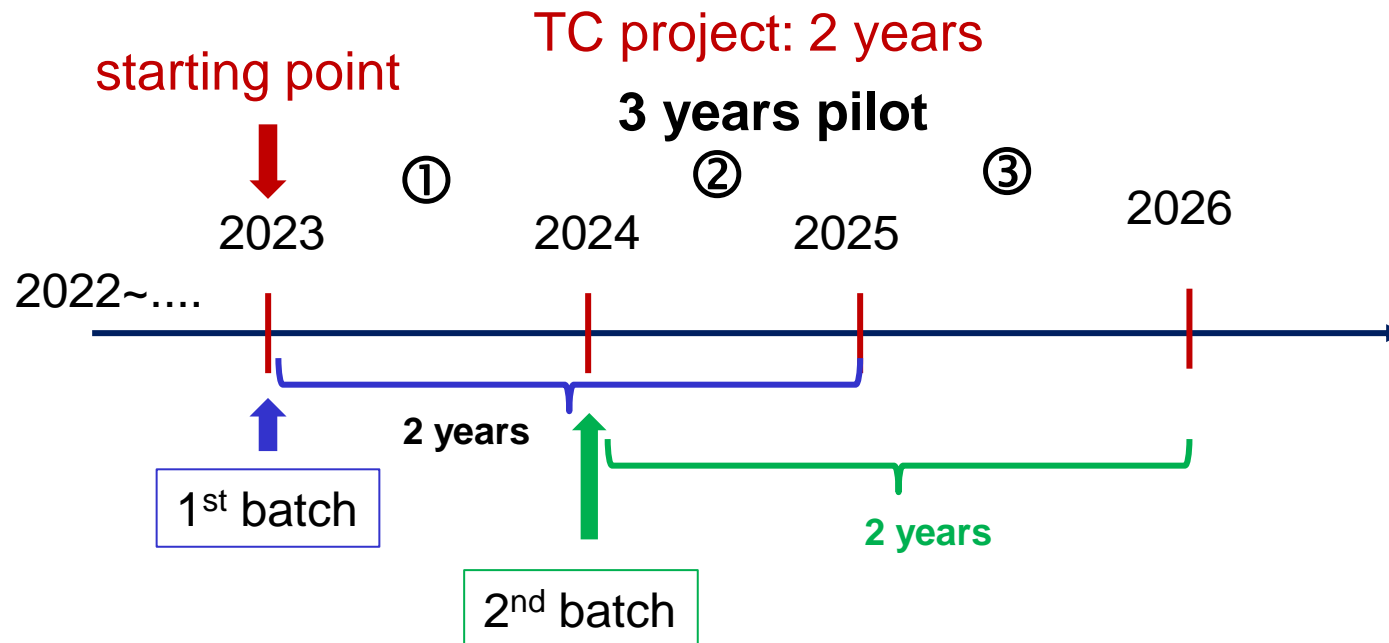
Proposed RCA Scholarship Programme (**pilot phase- 3 years**)

- Develop programme from the smaller to bigger scale
- Focus on Master's Programme first
- Focus on “**Domestic/National Training**” first for developing and least-developed countries
- After reviewing, RCA Scholarship could expand for bigger scale (doctoral course and int'l exchange)

2. Final Draft of FS Report

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. Final Draft of FS Report



Scenario 3: GPs will be divided into 2 groups: **Group 1** is the resource countries (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 will 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. Final Draft of FS Report

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 Programme

2. Final Draft of FS Report



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

Implementation arrangements

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

FS Report- Conclusion of 51st GCM



- The Meeting took note of the report on the preparation of RCA Scholarship Programme and highly appreciated the efforts of the Committee on conducting the Feasibility Study (FS).
- While many GPs agreed to move forward with launching a pilot scholarship programme, several GPs requested that an in-depth feasibility study should be conducted prior to the establishment of Scholarship Programme.
- The Meeting **recommended that the pilot programme could go ahead with Government Parties willing to implement this programme in their countries from 2023.**
- In parallel, the Committee should continue detailed discussions with the other GPs and address all their concerns.

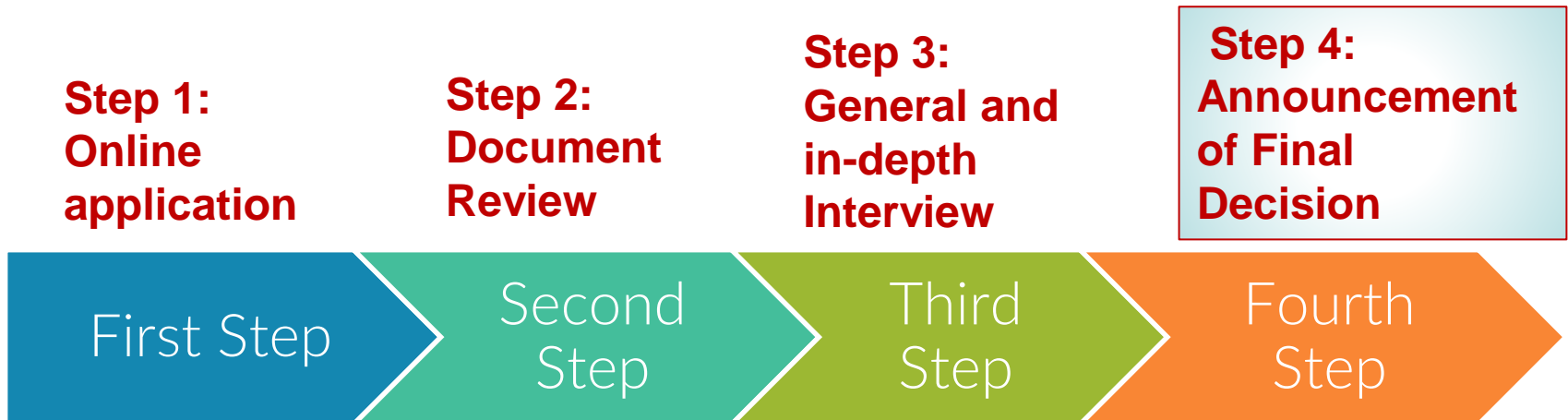


SPS Implementation plan in 2023

3. Implementation of SPS

Application Procedure

STEP 0: The applicant must show the **Acceptance for Admission** of Master at University and should provide a **Recommendation letter** to the RCA SPS Committee



3. Implementation of SPS

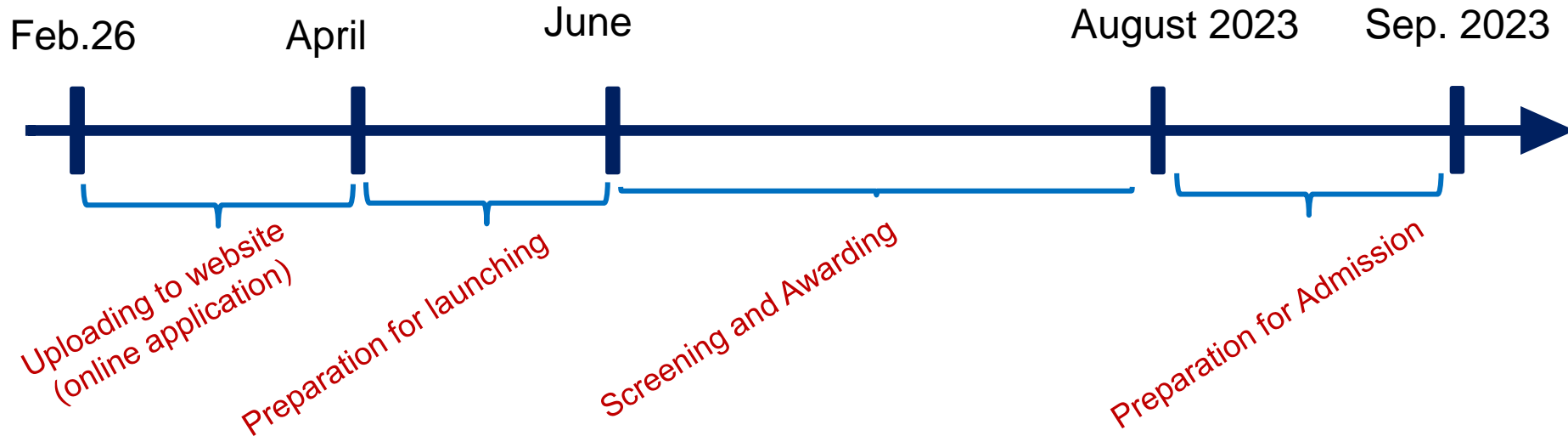
Application forms (already prepared)

- 1) Application form
- 2) Degree certificate
- 3) Academic transcript
- 4) Two recommendation letters
- 5) Motivation letter (one page)
- 6) Identification Photo.
- 7) English language proficiency requirements

Upon approval of the upcoming 45th NRM, these documents will be uploaded to the RCARO website

3. Implementation of SPS

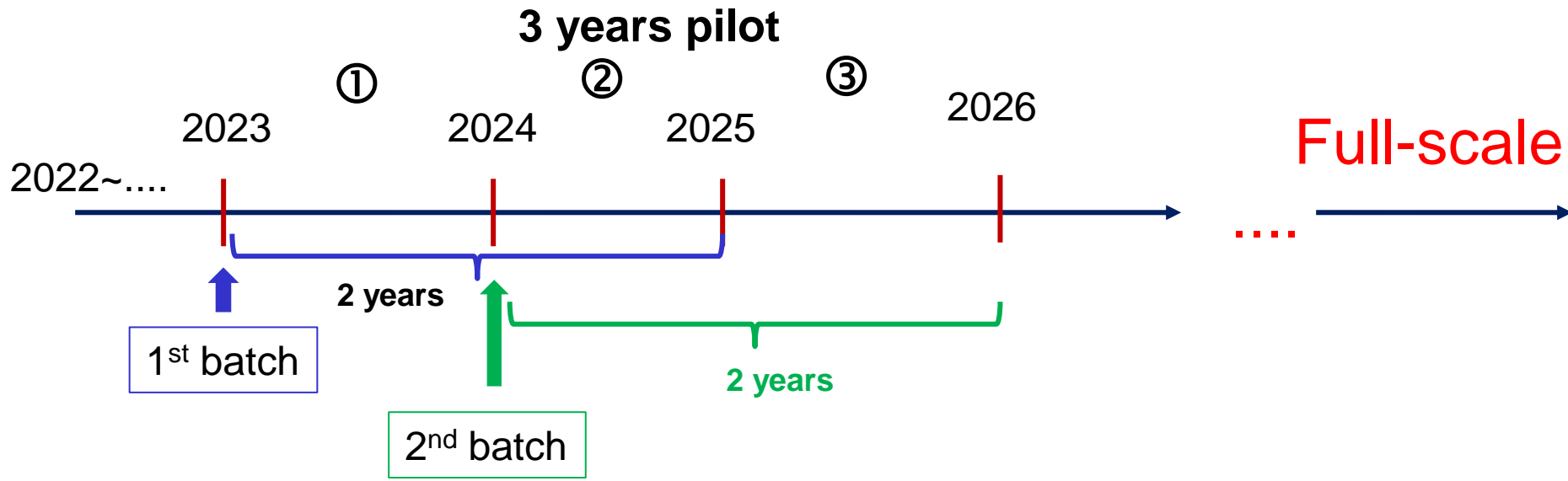
Workplan



- **March: Approval**
- **From Feb – June:** Uploading all document to RCARO's website and internal checking and testing
- **From June-August: Announcement and Screening**
- **August: Awarding**
- **Sept. 2023:** Admission with RCA SPS Scholarship

4. Solution to piloting the RCA Scholarship Programme

Pilot Workplan



- After the review and assessment process of the pilot phase, the programme will be monitored before being extended to full scale
- The Pilot phase will be a good input with significant experience before going to the full-scale of Scholarship.

5. Conclusions and Recommendation

- The RCA Scholarship programme **essential** to sustain the high quality nuclear workforce in RCA GPs.
- The **scenario 3 is recommended and 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 financial support from IAEA and the GPs**
- We strongly recommend that IAEA must **build up the HRD TC Project** to sustain and ensure the finance mobilization for this Programme.
- Pilot phase will be a **good input for in-depth study of SPS** for next phase



Nothing happens
until something
moves

Albert Einstein

Thank you!

