

Update on  
Social & Economic Impact Assessment of  
RCA Programme

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# SUSTAINABLE DEVELOPMENT GOALS



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# S & E Impact Assessment

## *Background:*

The RCA was established in 1972 and has enjoyed the benefit of the IAEA TC programme since.

## *It is reasonable to question:*

What is the social and economic impact of the RCA programme since its establishment and how to assess its impact?

# S & E Impact Assessment



# S & E Impact Assessment

*OECD/DAC Evaluative Framework and Outcome Harvesting Methodology were proposed.*

*However, on further investigation, it was concluded that they were too difficult to apply quickly, due to a lack of ready access to sufficient published material to support the evaluation.*

# S & E Impact Assessment



# S & E Impact Assessment



# S & E Impact Assessment

*The 41st NR Meeting in Sri Lanka, 26-29 March 2019 decided to hold an RCA Exhibition in 2022 to showcase the social and economic (S &E) impact of the RCA programme on the occasion of the 50th Anniversary of the RCA establishment.*

# S & E Impact Assessment

*To this end, an expert meeting was held in Vienna, Austria from 1-4 July 2019 to discuss, identify and agree on a suitable methodology for case studies of S & E impact of the RCA programme.*

# S & E Impact Assessment

*A systematic methodology was developed, which consists of eight steps:*

*1) Understanding the theory of change for the programme or project;*

*2) Developing performance criteria;*

# S & E Impact Assessment

*3) Developing performance standards for each performance criterion;*

*4) Identifying and selecting the evidence needed;*

*5) Gathering evidence;*

# S & E Impact Assessment

*6) Analysing the evidence;*

*7) Synthesising and judging the evidence; and*

*8) Reporting.*

# S & E Impact Assessment

*This methodology was first piloted to assess S & E impact of RCA mutation breeding projects.*

# S & E Impact Assessment

*Despite many difficulties caused by the Covid-19 pandemic, with the close cooperation and great efforts of all concerned parties, the task to assess S & E impact of the RCA programme was successfully completed as scheduled.*

# S & E Impact Assessment

*The Report of Social and Economic Impact  
Assessment of the RCA Programme- Mutation  
Breeding Case Study has been completed and  
circulated to NRs for comment/ recommendation.*

# S & E Impact Assessment

*The report is highly appreciated by the IAEA TC as an innovative breakthrough of the RCA/TCAP. The developed methodology/approach works very well for the thematic area of Mutation Breeding;*

# S & E Impact Assessment

*The assessment methodology is also being applied to assess social and economic impact of RCA non-destructive testing (NDT) projects (industrial application) and RCA radiotherapy projects (human health) .*

# *A follow-up plan is proposed as follows:*

<i>No.</i>	<i>Action to be taken</i>	<i>Timeframe</i>	<i>Responsible Persons</i>
<i>1</i>	<i>Carrying out the study of socio-economic impact in two sub-thematic areas: NDT and radiotherapy</i>	<i>Oct. 2020 – Sep. 2021</i>	<i>Experts, RCA FP, TCQAS, RCARO, Chair of PAC, Chair of WG on MTSC, NRs, LCCs, NPCs</i>
<i>2</i>	<i>Reporting the results of the study of socio-economic impact to the 50<sup>th</sup> RCA GCM</i>	<i>50<sup>th</sup> RCA GCM, Sep. 2021</i>	<i>RCA FP, TCQAS, RCARO, Chair of PAC, Chair of WG on MTSC</i>

<i>No.</i>	<i>Action to be taken</i>	<i>Timeframe</i>	<i>Responsible Persons</i>
3	<i>Refining reports and communication products such as brochures, videos, etc.</i>	<i>Oct. 2021-Feb. 2022</i>	<i>Experts, RCA FP, TCQAS, RCARO, Chair of PAC, Chair of WG on MTSC, NRs</i>
4	<i>Showcasing socio - economic impact of RCA projects at: The 50<sup>th</sup> Anniversary of the RCA (1972 - 2022)</i>	<i>Mar. 2022 (44<sup>th</sup> RCA NRM) and Sep. 2022 (51<sup>st</sup> RCA GCM)</i>	<i>RCARO, RCA FP, Chair of PAC, Chair of WG on MTSC, NRs</i>

<i>No.</i>	<i>Action to be taken</i>	<i>Timeframe</i>	<i>Responsible Persons</i>
5	<i>Sharing the RCA experience in assessing socio-economic impact of TC projects</i>	<i>Mar. 2022 on</i>	<i>RCA FP, TCQAS, RCARO, NRs</i>

# S & E Impact Assessment



*Do you know how to measure S&E impact systematically?*

*Yeah, before, no. Now, yes, thanks to the RCA!*

# Comments

*TC projects can only produce S & E economic impact after several years of completion.*

*Therefore, the assessment of S & E impact of TC programme/ projects is only conducted normally 10-15 years after the completion of projects.*

# Comments

*Currently, assessment of S & E economic impact of TC projects is still piloted. And, it takes time to draw lessons-learned, recommendations and suggestions for changes in TC project development, implementation and evaluation.*

# Comments

*So far, there has been no changes in the RCA Report Templates for First Project Coordination Meeting, Mid-term Project Progress Review Meeting, Final Project Review Meeting. The Templates are developed to serve the management of RCA projects during project implementation period, not after the completion of projects.*

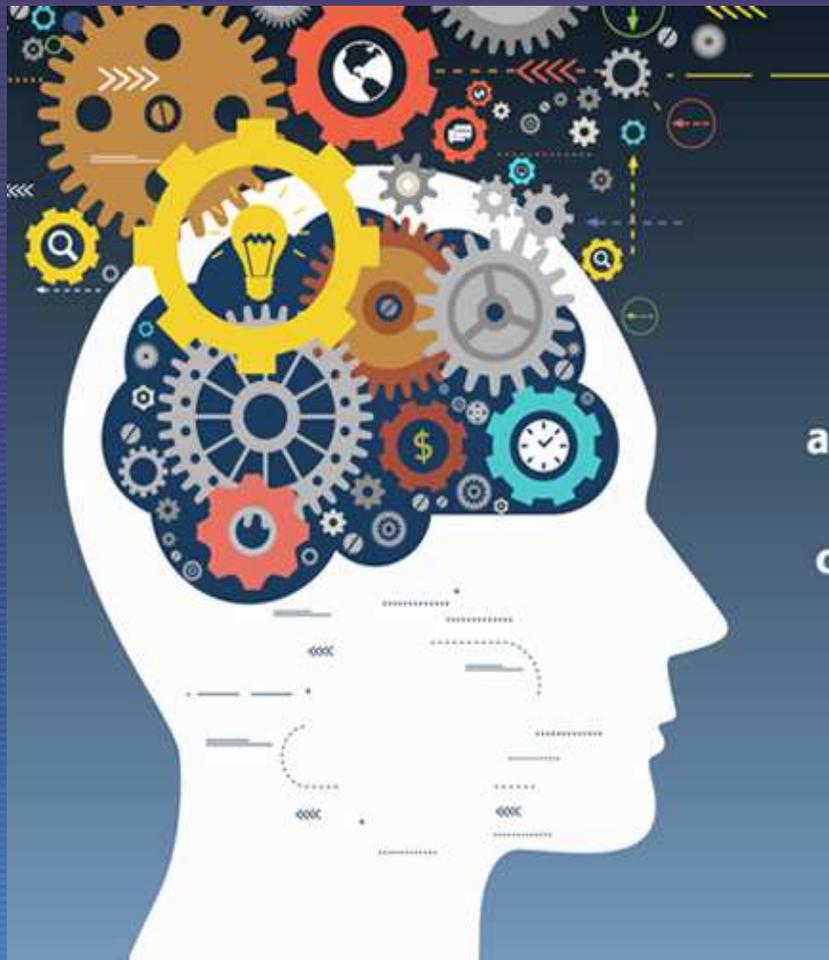


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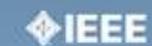
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**DIGITAL  
TRANSFORMATION**  
& WHY IT IS  
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“Individual talents get magnified many times over through the collective lens of an effective team.”

*Dalal Haldeman*



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