

Supplementary file B

Questionnaire contains a total of **thirty-seven (37) questions**.

Section A: About you

- 1) What is your age range?
 - ☐ 18 – 24 years old
 - ☐ 25 – 34 years old
 - ☐ 35 – 44 years old
 - ☐ 45 - 54 years old
 - ☐ 55 and above
- 2) What is your gender?
 - ☐ Female
 - ☐ Male
 - ☐ Non-binary/Other (please specify)
 - ☐ Prefer not to say
- 3) What is your current level of education?
 - ☐ Undergraduate level or its equivalent
 - ☐ Master's level or its equivalent
 - ☐ Doctoral level or its equivalent
 - ☐ Other – please specify
- 4) Which academic school are you affiliated with?
 - ☐ School of Education
 - ☐ School of Pure and Applied Sciences
 - ☐ School of Health Sciences
 - ☐ School of Business and Economics
 - ☐ School of Arts, Humanities, Social Sciences and Creative Industries
 - ☐ School of Natural Resources, Environmental Studies, and Agriculture
 - ☐ School of Tourism and Hospitality
 - ☐ Other (please specify)
- 5) Which of the following has contributed to your knowledge about the circular economy? *(Please select as many as possible)*
 - ☐ University courses
 - ☐ Secondary/Primary school education
 - ☐ Internet or social media
 - ☐ Print media (books, newspapers, magazines, etc.)
 - ☐ Electronic media (Radio or TV)
 - ☐ Friends or relatives
 - ☐ Activities of RCE South Rift

- Others – please specify
- I do not know anything about the circular economy

- 6) Have you participated in any circular economy education or training activity in the past year?
- Yes, 1 time
 - Yes, 2-4 times
 - Yes, more than 4 times
 - No
 - I do not know

Section B: Your familiarity with the general concept of the circular economy

- 7) How well do you understand the concept of the circular economy?
- Very well
 - Fairly well
 - Slightly
 - Not at all
 - Never heard of it

For questions 8 and 9, rate the extent to which you agree with the following statements on the **circular economy concept** on a scale of 1–5: [1 = I don't know, 2 = Strongly Disagree, 3 = Disagree, 4 = Agree, 5 = Strongly Agree]

	Strongly agree	Agree	Disagree	Strongly disagree	I do not know
8) The circular economy is just another word for reducing, reusing, and recycling materials only ?					
9) The Circular Economy aligns with the Sustainable Development Goals (SDGs), particularly responsible consumption and production?					

Section C: Your understanding of the principles of the circular economy

- 10) How familiar are you with the principles of the circular economy?
- Very familiar
 - Somewhat familiar
 - Slightly familiar
 - Not familiar at all
 - I do not know

For questions 11 - 21, please indicate the extent to which you agree with each of these statements as **explanations of the principles of the circular economy**.

	Strongly agree	Agree	Disagree	Strongly disagree	I do not know
11) Avoiding raw or unsustainable materials by rejecting nonessential products during purchase or design.					
12) Reconsidering how products are designed, accessed, and used to maximize resource efficiency.					
13) Modifying product or process design at the early stages of the lifecycle to embed circular principles.					
14) Minimizing the use of natural resources, energy, and harmful materials throughout production and consumption processes.					
15) Substituting conventional materials, components, or products with more sustainable, low-impact alternatives.					
16) Using products or components multiple times for their original purpose without significant alteration.					
17) Restoring faulty or worn-out products to a functional state.					
18) Restoring or upgrading used products to improve their performance, appearance, or reliability.					
19) Assigning a new function to a product or component that is no longer usable for its original purpose.					
20) Reprocessing waste materials into new products, substances, or raw materials.					
21) Extracting useful energy or materials from waste.					

Section D: Your knowledge about the benefits or aims of the circular economy

- 22) How familiar are you with the benefits or aims of the circular economy
- ☐ Very familiar
 - ☐ Somewhat familiar
 - ☐ Slightly familiar
 - ☐ Not familiar at all

- o I do not know

For questions 23 - 28, please indicate the extent to which you agree with each of the statements on the **benefits/aims of the circular economy**.

	Strongly agree	Agree	Disagree	Strongly disagree	I do not know
23) The Circular Economy has the potential to promote environmental sustainability by reducing pollution and resource depletion.					
24) The Circular Economy can minimize waste by keeping products and materials in use for as long as possible.					
25) The Circular Economy can create economic benefits by generating new business opportunities and jobs.					
26) The Circular Economy can encourage collaboration and shared responsibility among citizens.					
27) The Circular Economy can reduce production costs through the efficient use of materials.					
28) Circular practices have the potential to support intergenerational equity by preserving resources for future generations.					

Section E: Your knowledge about the circular economy in national policy frameworks

29) Are you familiar with the policy frameworks supporting circular economy activities in Kenya?

- o Very familiar
- o Somewhat familiar
- o Slightly familiar
- o Not familiar at all
- o I do not know

30) Which of the following policies, *if any*, do you know supports circular economy activities in Kenya?.

- o The Sustainable Waste Management Act (2022)
- o The ban on single-use plastic carrier bags (2017)
- o Ban on the use of single-use plastics in protected areas (2020).
- o National Building Regulations (2020)
- o Circular Economy Action Plan (2020)
- o Vision 2030
- o The Climate Change Act (2016)
- o The Green Economy Strategy and Implementation Plan (GESIP) 2016–2030
- o The Extended Producer Responsibility Regulations (2021)

- None of the above
- Others – please specify

Section F: The Role of RCE South Rift in Influencing your Circular Economy Knowledge

31) Are you aware that Maasai Mara University is the host university of the Regional Centre of Expertise (RCE) on Education for Sustainable Development in South Rift, Kenya?

- Yes
- No

32) Which of the following sustainability-inclined activities of the RCE South Rift have you participated in?

- Workshops/education on sustainability
- Environmental restoration
- Clean-up and Waste management
- Establishment of seed nurseries and eco-clubs
- Others – please specify
- I have not participated in any of their activities

For questions 33 - 36, please indicate the extent to which you agree with each of the statements on the **influence of RCE South Rift on Students' CE knowledge.**

	Strongly agree	Agree	Disagree	Strongly disagree	I do not know
33) RCE South Rift activities have influenced my knowledge of the circular economy					
34) I have been able to apply my knowledge about the circular economy through RCE South Rift activities.					
35) RCE-South Rift involves students in community-based sustainability projects.					
36) RCE-South Rift collaborates with lecturers to integrate CE principles into university teaching.					

37) In your own words, how has RCE-South Rift influenced your knowledge of the Circular Economy? (please give specific examples where possible)

End of questionnaire.