GREEN READ

Quantifying Impact

Green Material Alternatives

Duration

30 minutes

Materials:

- Internet access
- Handouts with information on various sustainable materials
- Worksheets for comparison analysis
- Pens or pencils

Goals:

- To explore alternative materials that have lower environmental impacts.
- To encourage innovative thinking about sustainable alternatives in product design.

Why Do This Exercise:

This exercise prepares participants to think creatively and innovatively about solving real-world problems by replacing conventional materials with greener alternatives. It emphasizes the role of innovation in driving the green economy and how young professionals can contribute to sustainable development.

Instructions Step by Step:

- Introduction to Green Alternatives: Briefly discuss what makes a material "green" or sustainable and why it is important to consider these alternatives.
- Review of Traditional vs. Green Materials: Distribute handouts that list common materials used in various industries alongside potential green alternatives.
- Select a Scenario: Each participant selects one product where traditional materials could be replaced with greener alternatives.
- Research and Compare: Participants use the internet and handouts to compare the environmental impacts of traditional and alternative materials.

- Analysis: Using a worksheet, participants analyze the benefits and drawbacks of replacing the traditional material with the alternative in terms of environmental impact, cost, durability, and other relevant factors.

- Presentation: Participants prepare a short presentation on their findings, advocating for the use of their chosen green material.

- Group Discussion: Facilitate a discussion on the feasibility and potential impacts of adopting these green materials on a larger scale.

- Conclusion: Wrap up by reinforcing the importance of innovation in material use for environmental sustainability and career opportunities in the green sector.