



Exploring the Realization of Matching Environmental Challenges with Technology in Kenya

**A Progress Update on UNDP Collaboration and
Environmental Solutions**

Date: 17th February 2025

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About the Presenter

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Introduction to the Collaboration

Context: Leveraging advanced technologies from Japanese companies to address environmental challenges in emerging countries such as Kenya.

JIPPI's Role: Partners with WIPO GREEN to facilitate global technology exchange for environmental challenges.

Focus in Kenya: Exploring synergies between Japanese technology providers and local environmental needs.

Objective: To explore collaboration opportunities with UNDP Accelerator Lab in Kenya to address environmental issues using technology



Environmental Challenges in Kenya

Water Security: Scarcity, contamination, and inadequate access to clean water in arid and semi-arid regions.

Waste Management: Increasing waste production and challenges in waste disposal and recycling, leading to pollution and health risks.

Climate Change: Impact of changing weather patterns on agriculture, water availability, and ecosystems.



Did you know that **41%** of Kenyans lack access to clean drinking water, yet innovative technologies can change this?

Matching Technology to Environmental Challenges

- **Water Solutions:** Advanced technologies for water purification, real-time monitoring, and efficient resource management.
- **Waste Management Solutions:** Innovative waste recycling and resource recovery technologies.
- **Climate Adaptation:** Technologies that help communities adapt to changing weather patterns and build climate resilience.





UNDP Accelerator Lab's Role in Addressing water issues in Kenya

UNDP's Focus Areas:

- **Waste Management:** Exploring innovative solutions for waste recycling, composting, and waste-to-energy technologies.
- **Water Security:** Identifying technology solutions for real-time water monitoring, infrastructure mapping, and improving water access.
- **Climate Change and Adaptation:** Solutions to enhance resilience in communities affected by climate variability.

Insight Request:

- Understanding specific environmental issues targeted by the Accelerator Lab's work in Kenya.
- Exploring the types of technology seeds required to support the lab's initiatives.

■ UNDP's Water Mapping Success in Tana River County

Community-driven Mapping Platform:

Integrated data from "water scouts" with government resources.

Technology Used: Open Data Kit (ODK) app for data collection.

Impact: Real-time data influenced county budget allocations for water management.

Next Steps: Expansion to other arid counties.



Types of Technology Seeds Required for UNDP Accelerator Lab Initiatives

Water Quality and Monitoring Technologies:

- Real-time monitoring systems for water quality and resource management.
- Data analytics and predictive technologies for identifying water quality risks.

Waste Management Solutions:

- Waste sorting, recycling, and waste-to-energy technologies.

Climate Resilience Technologies:

- Agricultural technologies for improved water use and climate adaptation.
- Early warning systems for climate-related hazards.



■ Insights from Japanese Partners (Kurita Corporation & JIPII)

Kurita's Expertise: Industrial water treatment, recycling, and monitoring systems.

JIPII & WIPO GREEN: Supporting global technology exchange.

Potential for Kenya: Adaptation of industrial water technologies for local needs.





Aligning Japanese Technology Expertise with Kenyan Needs

Potential Technologies from Japan:

- Expertise in water purification, waste management, and climate adaptation technologies.
- Partnerships with entities like Kurita Corporation (specializing in water treatment and recycling).

Leveraging WIPO GREEN Network:

- JIPII facilitates global technology exchange via WIPO GREEN.
- Access to cutting-edge environmental technology solutions and expertise.



Next Steps for Collaboration:

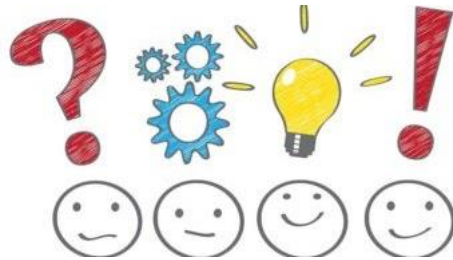
1. **Assess Technology Gaps:** Engage with UNDP Accelerator Lab and county governments to understand technology gaps and needs alignment.
2. **Facilitate partnerships** between Japanese tech providers and local stakeholders.
3. **Implement pilot projects** in water management, waste management, and climate resilience.

Outcome: A tailored approach to addressing Kenya's environmental challenges through advanced technologies



Questions and Discussion

**Open the floor for any questions
or clarifications.**



Salamat!