



Rub-X: Response to WIPO's Engagement Constraints — and Formal Appeal for UN Custodianship

A. Response to WIPO's Engagement Constraints

1. WIPO's Global Mandate Extends Beyond Governments

While WIPO operates as a specialized UN agency closely linked to member states, its stated mission is to promote innovation and creativity **for the benefit of all people, everywhere**. This includes engaging with innovation that arises outside national structures — especially when such innovation serves sustainability and public good.

✓ WIPO's own publications define its mission in inclusive, global terms — not limited to state actors alone.

2. WIPO Already Works with Non-Governmental Innovators

WIPO has multiple frameworks that allow collaboration with individual inventors and non-state actors:

- **WIPO GREEN** accepts and features technologies from non-governmental developers (including Rub-X).
- **WIPO Arbitration and Mediation Center** provides services to private IP holders.
- **Technology and Innovation Support Centers (TISCs)** support universities, SMEs, and independent innovators.
- **UN-affiliated initiatives** such as the **Tech Access Partnership** have directly supported grassroots innovation.

✓ The precedent and infrastructure for non-governmental engagement already exist.

3. Rub-X Addresses an Urgent Global Problem with No Viable Alternative

Rub-X tackles a long-standing crisis in the natural rubber industry: the lack of safe, affordable, and terrain-compatible automation for rubber tapping. This affects millions of rural workers across Asia, Africa, and Latin America, linking directly to poverty, exploitation, and environmental risks.

✓ This is a transnational issue — and calls for multilateral response.

4. Rub-X Is a Verified Solution, Developed Outside National Structures

Rub-X is currently the **only known** field-verified and scalable system addressing this problem. It was invented independently, without institutional or financial backing from any state. It has since been reviewed and acknowledged by international experts and registered with WIPO GREEN.

✓ The solution exists. It works. It simply originated beyond traditional channels — which should not disqualify it.

5. Refusal to Engage Would Undermine WIPO's Mission

To dismiss Rub-X on procedural or jurisdictional grounds would contradict WIPO's stated commitments to **inclusive innovation, equitable technology access**, and **sustainable development**. It would also prolong avoidable human and environmental harm.

✓ Mission-driven flexibility is not exceptional — it is essential.

6. Rub-X as a Benchmark Case for Institutional Evolution

Rub-X is not requesting commercial investment, but **neutral international custodianship and validation**. This is a clear opportunity for WIPO to demonstrate that its frameworks are capable of responding to real-world needs — even when innovation leads from the outside in.

✓ This is a moment for WIPO to adapt, engage, and lead.

B. Appeal for UN Custodianship

Project Summary

Rub-X is a proven automation system for rubber tapping in remote and hilly plantations. Its cable-driven design enables reliable and cost-effective operation, even without advanced power or control infrastructure.

Achievements to Date

- Patents granted in **CN, US, TH, VN, ID, MY, IN**
- **“Rub-X” trademark** officially registered
- Fully functional prototype developed and tested

- Listed in the **WIPO GREEN** database
 - Public website launched: <https://www.rub-x.org>
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Request

Rub-X has completed the invention and field-verified functional prototype stages. We now seek formal **custodianship by a neutral and globally trusted institution**, such as WIPO, UNDP, or a UN-affiliated entity, to ensure ethical international deployment.

The inventor lacks the institutional capacity and resources to move this forward independently.

Scope of Custodianship May Include:

- Secure custodial access to patent and technical documentation
 - Access to Rub-X branding and bilingual communication assets
 - Optional technical advisory from the inventor
 - Guidelines and licensing structures for equitable use
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Neutrality Statement

Rub-X was developed independently by **Hanmin Hu**, with PCT application number **PCT/US2017/047543**. All IP assets are privately held. The project has **no affiliation** with any government, military entity, or state-owned institution, and has received **no public funding**.

Institutional Criteria

Rub-X is open **only** to custodianship under **UN agencies or globally trusted non-commercial organizations**. Engagement from national governments, military bodies, or for-profit actors is **not** sought or accepted.

Why Custodianship Matters

- Prevents suppression or misappropriation of green technology
 - Delivers equitable automation to underserved global regions
 - Supports **SDGs 8, 12, and 13**: Decent Work, Sustainable Production, and Climate Action
 - Embodies the UN's commitment to inclusive and just innovation ecosystems
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