

Component 1: Circular Economy

Component 3: Post-use 9Rs

Component 4: Monitoring & Evaluation

Approaches & Responsible Sourcing of Materials

- Green building certification
- Eco-labelling schemes
- Financial incentives
- Responsible sourcing
- Marketing local sustainable alternatives

Component 2: Cleaner Production

- National capacity building programme
- Regulatory controls eg on use of forest firewood
- Piloting hazardous chemical & sustainable energy projects



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Planned Interventions with Co-finance partners

- Finalization & piloting of green building certification & construction materials and fashion eco-labelling schemes
- Piloting hazardous chemical & sustainable energy projects for SMEs
- Piloting innovative solutions for recycling/upcycling materials
- Strengthening national capacity in applying reverse logistic system and for resource recovery, cleaner production & hazardous chemical management

Contact

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Full Project Title GEF 11171: Eliminating hazardous chemicals from supply chains in Mongolia

Project Objective

Promote transformation change in the cashmere and leather supply chains by replacing resource-intensive chemical processes and materials with sustainable alternatives and by eliminating/reducing chemical waste in Mongolia.



Project components and activities

Component 1: Regenerative design & circular business models

- Assessing national environmental policies and regulations (standards and certifications)
- Strengthening a coherent policy and regulatory framework
- Enhancing eco-label standards
- Strengthening capacity building to key market stakeholders
- Designing, implementing, and validating innovative circular business models

Component 2: Innovative materials

- Conducting a lifecycle assessment
- Piloting circular business models
- Leveraging financing to support quality-based price premium

- Strengthening capacities to search for alternatives to harmful chemicals.
- Implementing pilot innovative technologies and green practices in processing facilities



- Sharing experiences and knowledge
- Creating strategic alliances with manufacturers
- Promoting procurement of national domestic processing companies from herders' cooperatives with global buyers

Component 5: Post-use and 9Rs

- Pilot project for waste management and promotion of circularity
- Carrying out technical workshops
- Designing and implementing a strategy pertaining to gender integration and child labor
- Carrying out an information and communication outreach strategy
- Participating in the Supply Chains Integrated Program coordination global events

Component 6: Monitoring & Evaluation

Co-finance partners



ХҮНС, ХӨДӨӨ АЖ АХУЙ, ХӨНГӨН ҮЙЛДВЭРИЙН ЯАМ **Ministry of Agriculture and Light Industry**

Planned Interventions with Co-finance partners

- Supporting the implementation of project and the achievement of its objectives
- Supporting SMEs in improving their capacities to process cashmere and raw materials domestically in an environmentally sound manner

Contact

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Project components and activities



nature-positive innovative material

- Mainstreaming banana fibre in the textile value chain
- Empowering all value chain actors, from policy makers to farmers, to implement sustainable and circular bioeconomy principles



Component 3. Supporting less pollution and waste-based manufacturing and production in the banana fibre value chain

• Developing a system for banana pseudo stem-derived fibre traceability, standards, and certification







Component 2. Sustainably sourced, and bio-based products manufacturing that requires no hazardous chemicals and produces less pollution and waste

- Promoting reuse and upcycle + less pollution and waste production
- Improving productivity, sustainability and livelihood of smallholders
- Piloting sustainable banana fibre value chain



Planned Interventions with Co-finance partners

Co-finance partners

Small and Medium Enterprises Development Authority (SMEDA)



SMEDA

F POO

Government of Sindh

FAO co-funding projects

- 'Transforming the Indus Basin with Climate Resilient Agriculture and Water Management' (GCF funded)
- 'Pakistan Growth for Rural Advancement and Sustainable Progress (GRASP) Programme'

- **SMEDA**: creating the enabling environment for adopting banana fibre; implementation of circular bioeconomy principles; circular integration of banana fibre in the textile value chain; develop a system for traceability, standards and certification
- **FAO/Indus Basin**: strengthening farmers' climate resilience through skills, knowledge and technology enhancement activities
- FAO/GRASP: training and capacity building of farmers and strengthening small agribusinesses engaged in innovative banana fibre products

Contact

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Executing Agency: Sheharyar Tahir, Deputy General Manager, SMEDA, stahir@smeda.org.pk

Full Project Title GEF 11173: Eliminating Hazardous Chemicals from Supply Chains in Peru *Project Objective*

Promote transformation change in the cotton, alpaca, and vicuna supply chains by replacing resource-intensive chemical processes and materials with sustainable alternatives and by eliminating/reducing chemical waste in Peru.





Mitigate **244,805 MTCO2e** of GHG emissions (Direct: 49,805; Indirect: 195,000)



Restore **50,074 hectares** of land and ecosystems

Improve the lives of **60,000 people** (36,000 women and 24,000 men).



Reduce **2,612 tons** of chemicals of global concern and their waste

Reduce and/or avoid **25.5 gTeQ** emissions of persistent organic pollutants (POPs) into air

Component 1: Regenerative design and circular business models

- Assessment of environmental policies and regulations
- Developing tools to promote formalization, environmental best practices, and regulatory compliance
- Promoting eco-design and eco-labeling
- Strengthening technical capacity

Component 2. Innovative materials

- Institutional partnerships with the private sector
- Financial mechanisms
- At least 2 pilots for alpaca and vicuna producers for cleaner and more ecological clothing

Component 3. Cleaner production

Strengthening capacities to adopt less polluting approaches
Pilot interventions for a cleaner production: 3 for reduction of hazardous chemicals, and 3 for water and energy efficiency



Component 4. Sustainable consumption

- Transferring knowledge and know-how
- Creating and/or strengthening national networks of producers
- Green procurement schemes in public tenders

Component 5. Post-use and 9Rs

- Implementing a training program on textile supply chain waste management
- Implementing 3 pilots for reverse logistics and circular waste management

Component 6. M&E

• Monitoring, Evaluation and Learning (MEL) strategy

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Planned Interventions with Co-finance partners

- Technical support to project activities
- Pilot interventions
- Use of facilities (laboratories) and services

Contact

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Full Project Title

GEF 11174: Eliminating Hazardous Chemicals from Supply Chains in Costa Rica

Project Objective

To promote a green transformation of the construction supply chain by replacing resource-intensive and hazardous materials with environmentally sound alternatives and promoting circular approaches and regenerative designs across the entire supply chain.





• Bio-Based Thermo-Acoustic Veneers

Project components and activities

Component 1: Innovative and regenerative design, that contributes to circular business models

- Architecture/Engineering Academic Curriculums
- LCA, Certification and Circular Economy Training
- Support Green Finance Taxonomy

Component 2: Innovative materials

Gensler

ZERŴ

WAST

PORTAFOLIO

MINISTERIO

DE SALUD

- Develop Technical Norms
- Alternative materials laboratory testing
- Equipment and training for Customs Inspection Lab



Co-finance partners

GOBIERNO

DE COSTA RICA

HOLCIM

60 Años CONSTRUYENDO COSTA RICA CON VOS



Component 3: Cleaner production

- *Regulation to promote responsibly sourced timber*
- Bio-Based clinker substitution in cement production
- Technical assistance and small grants for SMEs entering execution phase

Component 4: Sustainable consumption

• Eco-labeling in key materials sectors

by aliaxis

Universidad Técnica Naciona

Universidad LCI VERITAS

• Sustainable Public Procurement through Eco-Labeling

Component 5: Post use 9Rs

- EPR project recovers waste to re-use in manufacturing of new products to reduce raw material consumption
- Construction sector waste reduction/separation training

Component 6: Programme Knowledge Management

• B2B networking to connect local manfucturers of sustainable materials with designers and builders.



Planned Interventions with Co-finance partners

- **Holcim**: Pilot-Implementation of EcoCycle Project (Concrete Recycling), Feasibility of Bio-Char (reduction in energy consumption) in Cement Production
- Gensler: Specifictions in Design to eliminate use of Materials with Hazardous Substances.
- **Zero Waste:** Collection and processing plant, construction site training for effective waste management.
- **Durman:** Enhancing PVC waste collection, circular production processes, energy efficiency, and reducing polluting compounds.
- *Ministry of Environment and Energy, Ministry of Health, Ministry of Internal Revenue, GIZ:* Ecolabeling as a decision-making tool and Sustainable Public Procurement

Contact

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- **Executing Agency:** Nicolás Ramírez (nicolas.ramirez@gbccr.org), Executive Director, Green Building Council Costa Rica-GBCCR



Project components and activities

1. Regenerative design and circularity: design of innovatible and sustainable products

2. Innovative materias: sustitution of nonrenewable materials with alternatives economic and technically feasible

3. Pollution reduction: production process with less inputs



4. Behavioral changes: markets fro innovative products that favors durability

5. Recolection, post-use and 9Rs: inverse logitsic processes and extended producer responsibilitie



Planned Interventions with Co-finance partners

- Bamboo construction roofing to eliminate asbestos in Galapagos roofings
- Lead-free shingles and artisanal brick production
- Innovative sustainable building materials
- mixed-color cotton to avoid industrial painting
- innovaabaca fashion and packaging.

Contact

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- Network to promote circular business models
- A Reverse Supply Chain Scheme (RSC)
- Sustainability reporting framework

Comp 2: Materials & Cleaner Production

- Sustainable sourcing Code of Practice
- Training programme delivered on sustainable procurement







- Use of materials from secondary markets and trade of sustainable materials
- Financing mechanism and incentive for sustainable costumes
- Increase capacity of women entrepreneurs and the Carnival Fashion Sector

Comp 4: Knowledge Management

- National public & awareness raising campaign
- Global festival adoption of sustainable sourcing code of practice

Comp 5: M&E

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Planned Interventions with Co-finance partners

- Establish network to promote circular business models
- Sustainability marketing/advertisement, procurement training programme for designers
- *Reverse supply chain scheme for carnival industry*
- Sustainability reporting framework for carnival costumes
- Code of practice for design & use of sustainable materials

Contact

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Global Environmental Benefits

Restore 317,000 hectares of land and ecosystems





Reduce 34,589 tons of chemicals of global concern and their waste

Project components and activities



Component 1: Knowledge and Learning

- Conduct a knowledge needs assessments
- Develop a compendium of databases
- Develop a Compendium of sustainable materials
- Synthesis of knowledge materials and educational tools
- Establish an online knowledge management (KM) platform
- Facilitate the exchange of knowledge between child projects



Component 2: Communication, capacity and collaboration

- Implement and update the communications strategy
- Facilitate information / education exchange
- Continuing Stakeholder Engagement
- Organize annual global forum
- Facilitate or participate in events and stakeholder dialogues
- Establish and coordina a Programme Advisory Group



Co-finance partners UNG FASHION PACT GRID environment programme SustainaBelle **TraceSurfer**_® Umwelt 🗊 **Bundesamt** UN 🎯 U N D P environment ISC₃ programme INNOVATION LAB

Planned Interventions with Co-finance partners

- Benchmarking of sustainability standards
- Establishing a compendium innovative materials
- Map out the barriers currently in place that prevent investments in the Fashion and construction sectors
- Pilot test of the chemicals aspects of Sustainable Public Procurement tools in a procurement case

Contact

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Full Project Title GEF 11178: Eliminating hazardous chemicals from apparel fashion supply chain in India

Project Objective

To eliminate hazardous chemicals from the apparel fashion supply chain in India while promoting sustainable practices and reducing environmental impacts, particularly in terms of energy and water use, and greenhouse gas emissions





Global Environmental Benefits





2 128 000 heactares of landscapes under improved management to benefit biodiveristy by reducing **1277** tons of pesticide use



40 000 (60% women) people directly benefitting from project interventions and 80 000 (60% women) benefitting indirectly.



Reduce 10 530 (direct) and **21 060** (indirectly) tons of chemicals of global concern and their waste



31 590 tons of solid and liquid POPs removed or disposed

• Regenerative design in fashion houses

- Green procurement policy
- Ecosystem for circular business models •
- Financial (tax) incentives

Component 2: Innovative Materials-Substituting nonrenewable materials in products

- Guidelines for sourcing innovative materials
- Natural viscose fibres from waste biomass (banana)
- Guidelines for innovative investment criteria
- Pilot demonstrations of innovative materials



Component 6: KM & Learning

• India Child Project Portal

Birla Cellulose

GAT

Solidaridad

- Best practice for textiles packages
- Language inclusive knowledge products
- Collaborate & exchange amongst IP





Component 4: Sustainable Consumption

- Sustainable procurement template
- Eco-labels and consumer information
- Trade controls on POPs treated materials
- Advocacy and training on sustainable fashion

Component 3: Cleaner Production

- National capacity building programme,
- *RECP* -solar (CST & SPV), Internet of Things
- Supplier reporting and self assessment tool
- financial incentive for suppliers + green finance
- Pilot demos for cleaner production



Component 5: Post-Use 9Rs

- Policy on waste management, EPR guidelines
- *Reverse logistics for post consumer waste*
- Database for value chain actors for waste repurpose
- Women led 9R enterprises

Planned Interventions with Co-finance partners

Pilot demonstrations for innovative materials, RECP, waste management

Resource-efficient and cleaner production investments

Internet of Things (IOT) to enhance cleaner production

Coherent policies on resource management (chemicals, energy, water) in supply chains

Green public procurement policies for apparel fashion/textile houses/MSMEs

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Co-finance partners

- Federation of Industrial & Commercial Organization
- Tamil Nadu Textile Entrepreneurs





















NITWEAR & TEXT

