

Country (Insert country of origin of your company / organization or its headquarters' location)

Vietnam

Submitting Organization/Company

HUNG YEN KNITTING AND DYEING CO LTD

If Organization or Company, please indicate the approximate number of employees

250 or more

Please indicate the number of employees

350

Title of the action

N850 FishTale - A Marine Story

Upload your logo or an image



Relevant Website

<https://hungyen-kd.com>

Main Partners

Hyosung TNC - Hyosung Performance Textiles

Other Partners

ON - Ocean Network; ERCA TNC

Type of initiative

Private

Description of action

Hung Yen Knitting & Dyeing and Hyosung Performance Textile long cooperation on research and development designed in 2023 a new concept of sustainable fabric for swimwear applications made with 100% recycled yarns:

> 80 percent of the composition of N850 FishTale is made with 100 percent post-consumer recycled Nylon from ghost fishing nets, GRS - Global Recycled Standard certified, with Transaction Certificate (TC) issued for each production batch implied in the production of N850 FishTale. OekoTex Standard 100 - Class I, Annex 6, which certifies the safety of the material for baby products applications.

> The remaining 20 percent of the composition of N850 FishTale is made with 100 percent pre-consumer recycled Spandex from fibre manufacturing waste, RCS - Recycled Claim Standard Certified, with Transaction Certificate (TC) issued for each production batch implied in the production of N850 FishTale.

Type of action

Traceability & Transparency

Please select the specific area/s of the action

Research and Development of Innovative Solutions

Collaborative Initiatives

Scope of the action, including a description of the value chain processes that are covered

Objective (max 200 words): Introduce on the market a sustainable textile solution for performance swimwear applications designed for those brands which are attentive to consolidate partnerships to achieve tangible sustainable targets. Made with certified lower carbon footprint raw materials - compared to standard equivalent of the same category - N850 FishTale contributes to keep the Oceans clean from macro pollutant gears and landfills less filled of textile scraps. Enabling circularity by giving new life and porpoise to wasted materials.

Commitments (max 200 words): Two-year exclusive R&D partnership starting from 2023 in which both Hung Yen Knitting & Dyeing and Hyosung TNC are promoting the values of the sustainable and transparent foundation of the product.

Value Chain Scope: Tackling Scope 1 emission, ousting the extraction of new organic carbon component's materials implied in the generation of new synthetic compounds, which is the first step of the upstream production of virgin (not recycled) yarns. Tackling Scope 3 emissions, upcycling, re-processing and giving new porpoise to wasted material.

Timeframe and/or milestones for the action

N850 FishTale - A Marine Story has been introduced in the market in July 2023 raising the immediate attention of some of the most renewed and accountable swimwear brands for sustainability which have adopted the fabric since 2023 and will still continue to use FishTale for their 2025 swimwear collections.

Reference instruments and sources used

<https://hungyen-kd.com/hung-yen-kd-and-hyosung-tnc-n850-fishtale/>

<https://blog.hyosungtn.com/hyosung-presents-new-fishtale-collaboration-with-hung-yen-and-additional-sustainable-textile-solutions-at-interfilier-paris/>

<https://sourcingjournal.com/sustainability/sustainability-materials/hyosung-hung-yen-recycled-regen-ocean-nylon-elastane-n850-fishtale-swimwear-fabric-449453/>

<https://www.textiletechnology.net/fibers/news/hyosung-making-ocean-waste-to-high-performance-fibers-32594>

<https://www.knittingindustry.com/fibres-yarms/hyosung-and-hung-yen-in-new-fishtale-collaboration/>

Expected benefits and impact for the stakeholders involved

Enhanced visibility of compliance with sustainability requirements by industry actors/partners along the entire value chain

Enhanced traceability of the social/environmental/ethical attributes of product(s)/materials along the value chain; for example, for origin, quality, sustainability performance, and compliance with health and safety requirements for consumers and workers

A measurable impact on sustainability in value chains over time, eventually verified through life-cycle assessments and/or sustainability certifications

Enhanced environmental and socially responsible consumption and production, and circularity of the value chain, that may be relevant to and inspire other countries and industry actors/partners

Management of reputational risk for manufacturers, brands and retailers who are selling the products concerned

Stakeholders involved

Business and industry associations

Consumers and consumer associations

Non-governmental organizations (NGOs)

Key performance indicators for the action

> Global Recycled Standard, Recycled Claim Standard by Textile Exchange and OekoTex Standard 100 - Class I, for MIPAN® regen Ocean, post-consumer recycled Nylon and for CREORA® regen pre-consumer recycled Elastane. These are three important certifications achieved between 2023/24, which ensure transparency, traceability, safety and quality of the recycled components of the yarns used for the production of N850 FishTale fabric;

> Usage of REVECOL® recycled chemicals from exhausted vegetable cooking oil, GRS, RCS and Bluesign certified for the production process of FishTale solid and printed fabric;

<https://www.ercatcs.com/sustainability>

> CO2 emission reduction (2023) Third party LCA on MIPAN® regen Ocean – 100 percent post-consumer recycled nylon from fishing nets – demonstrates 73 percent CO2 emissions reduction, 76 percent lower use of fossil fuel resources and 98 percent less water consumption compared to conventional virgin nylon production cycle.

Good practices

> Textile and chemical research and development;

> Supply chain partnership for innovation;

How has this UNECE-UN/CEFACT Call to Action contributed to strategic engagement and/or public awareness in support of your commitment?

Give visibility to the result of a research and development action that allowed the introduction on the market of a sustainable product which contributes to tackle some of the most sensitive environmental causes addressed to the Textile and Fashion industry. Designed to enable circularity in raw material's process, N850 FishTale fabric has a fully certified

and traceable profile and it is an ongoing project that will feature further environmental credential achievements in the years to come.

Link to relevant goal(s) and specific target(s) of the United Nations

