

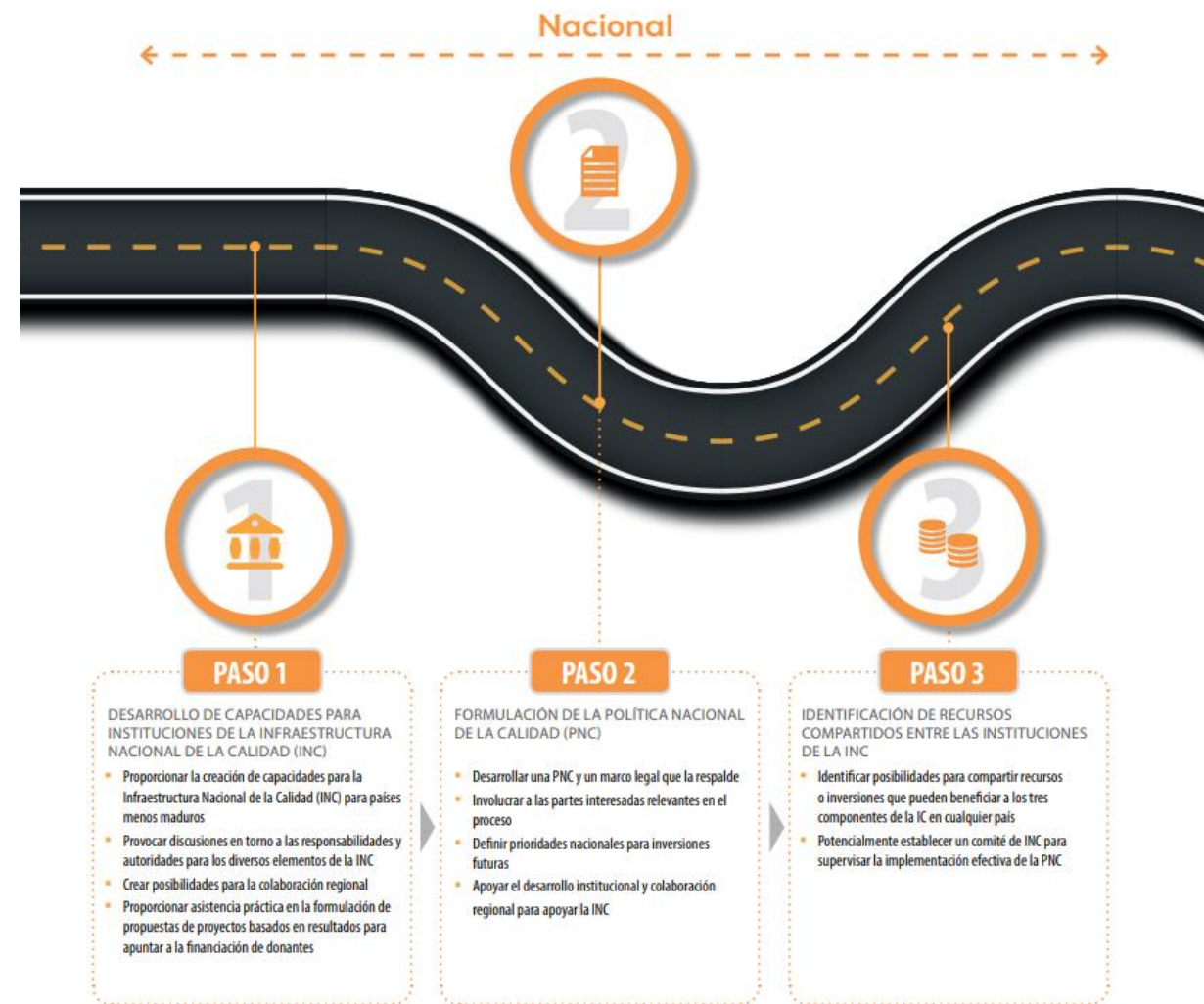
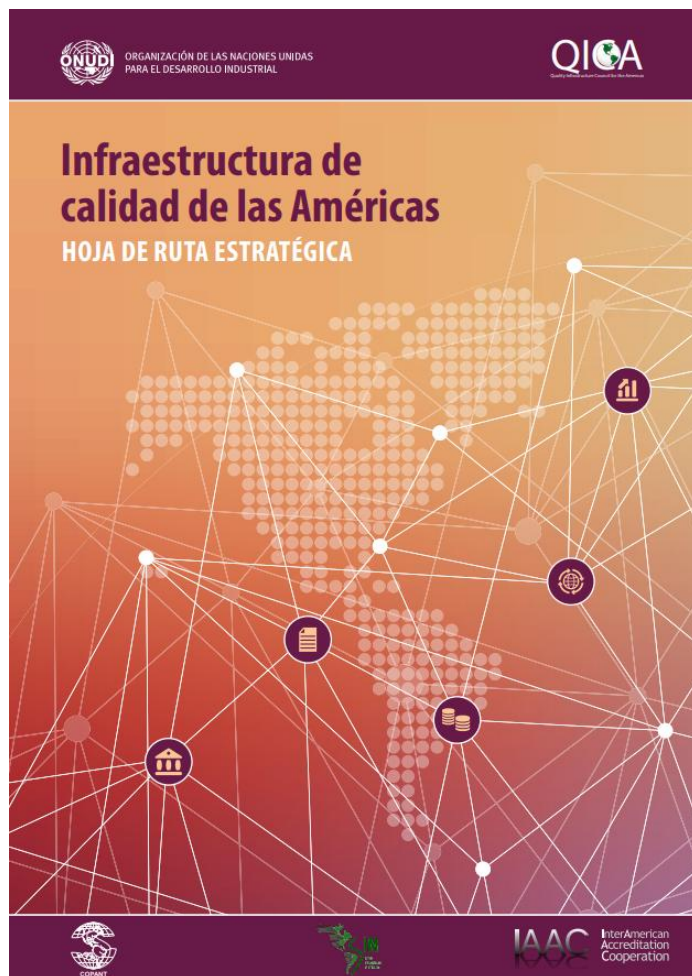


ORGANIZACIÓN DE LAS NACIONES UNIDAS
PARA EL DESARROLLO INDUSTRIAL

OBJETIVOS
DE DESARROLLO
SOSTENIBLE

UNIDO's approach to capacity building in Quality Infrastructure

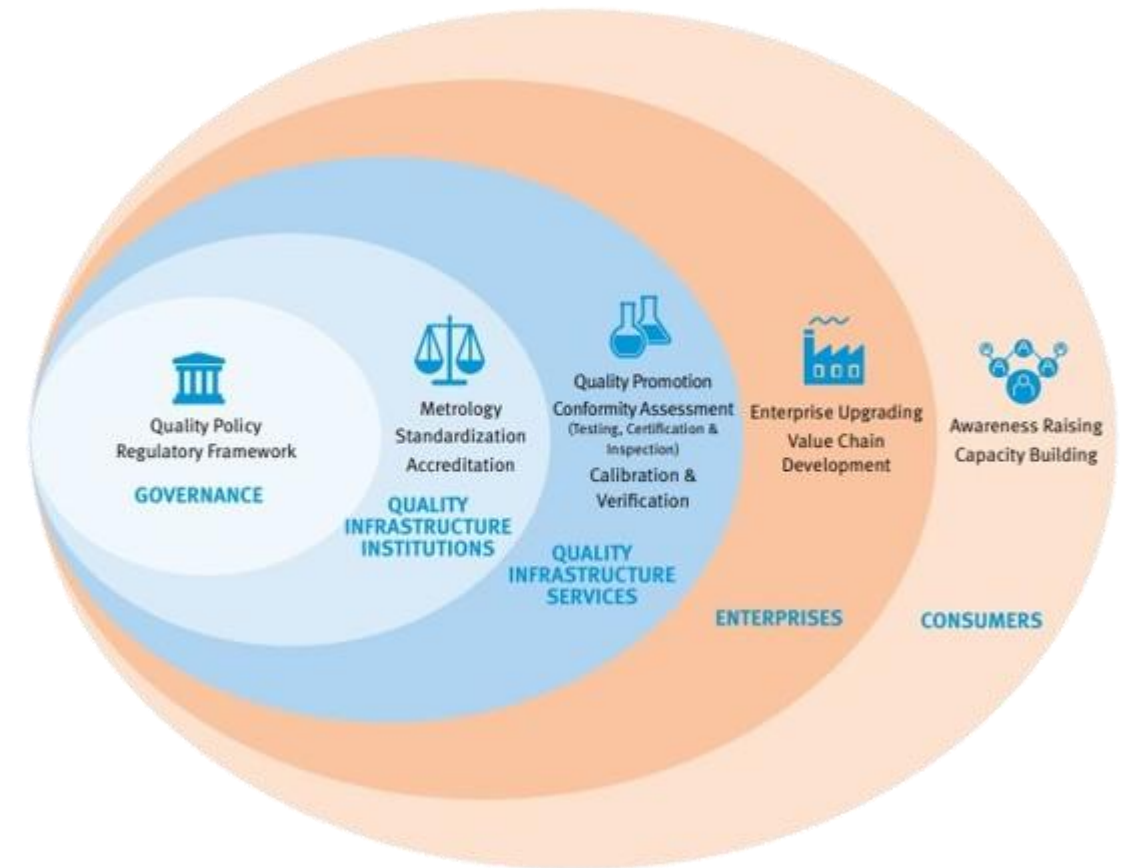
IAAC Educational workshop on QI
14 march 2025





UNIDO and Quality Infrastructure

- More than 50 years supporting countries to increase their competitiveness through quality and standards.
- More than 100 countries assisted in the last 5 years, mainly in Africa, Asia, Latin America and the Middle East, to develop their quality infrastructure.
- Over the past 20 years, UNIDO has supported more than 1000 CABS in 58 countries in regions around the world
- UNIDO will continue to stimulate knowledge transfer and support the future shaping of conformity assessment for the achievement of the 2030 agenda in developing countries.





A Quick look at our cooperation in the region



<https://compass.unido.org/>



Proyectos activos en 2025

A Quick look at our cooperation in the region



<https://compass.unido.org/>

	<h2>Nicaragua</h2>
<p>Country Overview</p>	<p>Ongoing Projects</p>

Peru




Colombia

[Country Overview](#)
[Ongoing Projects](#)

Year Of Data	2025 Ongoing Projects
2025	6
2025 Budget	2025 Expenditures
\$2,328,253	\$677,305

	<h2>Mexico</h2>
<h3>Country Overview</h3>	 <h2>Costa Rica</h2>
<p>Year Of Data</p> <p>2025</p>	<h3>Country Overview</h3>
<p>2025 Budget</p> <p>\$11,585,507</p>	<p>Year Of Data</p> <p>2025</p>
	<p>2025 Budget</p> <p>\$687,000</p>

Costa Rica

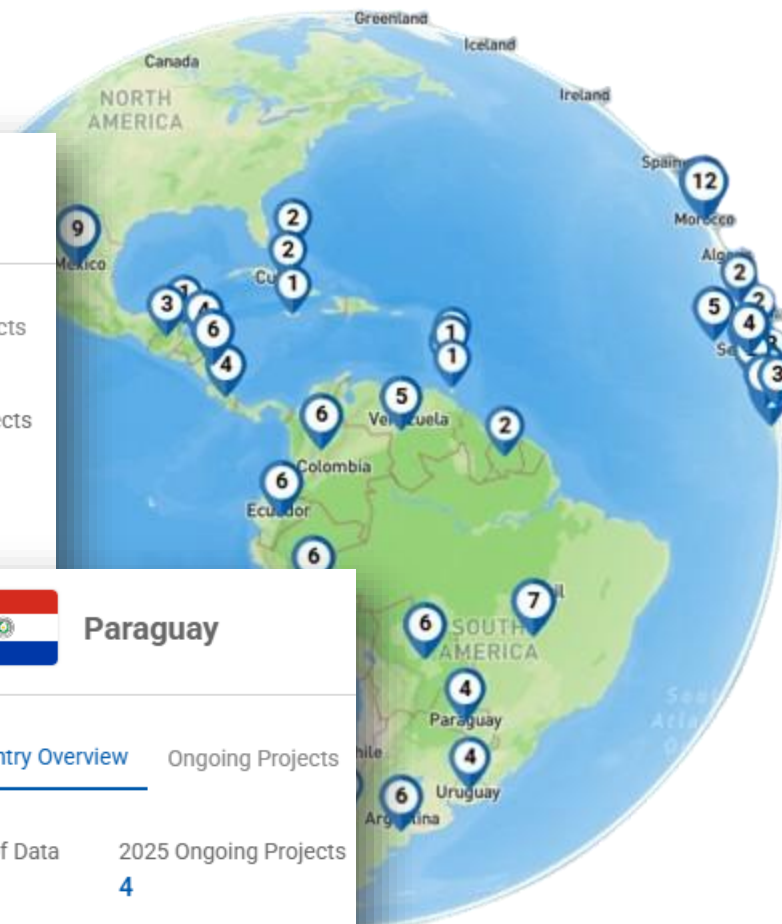


Paraguay

[Country Overview](#)
[Ongoing Projects](#)

Year Of Data	2025 Ongoing Projects
2025	4

2025 Budget	2025 Expenditures
\$1,605,548	\$885,312



A Quick look at our cooperation in the region



<https://compass.unido.org/>

190297 - Global Quality and Standards Programme Costa Rica: Enhancing compliance with quality and international standards

Description

In addition to eight full-fledged country projects, the Global Quality and Standards Programme (GQSP) foresees special measures in selected countries. Special measures under the GQSP are measures focused to address specific quality and standards related issues in a given sector, in view of facilitating greater market access. They can relate to enhancing quality infrastructure institutions, strengthening producer's compliance capacity with market requirements, or the creation of a culture of quality. Since the European Union is the second largest trading partner of Costa Rica, the Central American country has to make sure that all the export requirements of their products are being met and this can represent a challenge in terms of market accessibility. The sector that will be intervened by the Special Measures of the GQSP in Costa Rica will be selected during the exploratory mission to the country at the end of September 2019.

200025 - Strengthening quality and standards compliance capacity of shrimp and tilapia aquaculture value chains in Colombia to facilitate market access # GMAP Colombia.

Description

UNIDO concluded with the Norwegian Agency for Development Cooperation (Norad) in January 2019 the Global Market Access Programme (GMAP) 2020-2024 (extended until 2026). The integrated Programme specifically aims to enhance market access in prioritized value chains in selected countries (Colombia, Ethiopia, Malawi, Mozambique and Myanmar), by focusing on the following three components as agreed: 1. Enhanced technical competence and sustainability of the Quality Infrastructure 2. Enhanced SME compliance with international standards and technical regulations 3. Strengthened culture for quality As part of the Global Market Access Programme (GMAP), the overall objective of the country project for Colombia (GMAP Colombia) is to facilitate market access for producers and small and medium-sized enterprises (SME) through strengthening their quality and standards compliance capacity, thus contributing to fostering Colombia's inclusive and sustainable development for enhanced competitiveness. The country project will focus on the aquaculture sector, shrimps and tilapia value chains.

230214 - Global Quality and Standards Programme Peru, phase II: Strengthening coffee and cocoa quality for exports

Description

The overall objective of the project is to contribute to improve Peru's export competitiveness of the coffee and cocoa value chain through ensuring quality and the implementation of quality infrastructure services in the San Martín Region towards more sustainable and inclusive productive systems resilient to climate change.

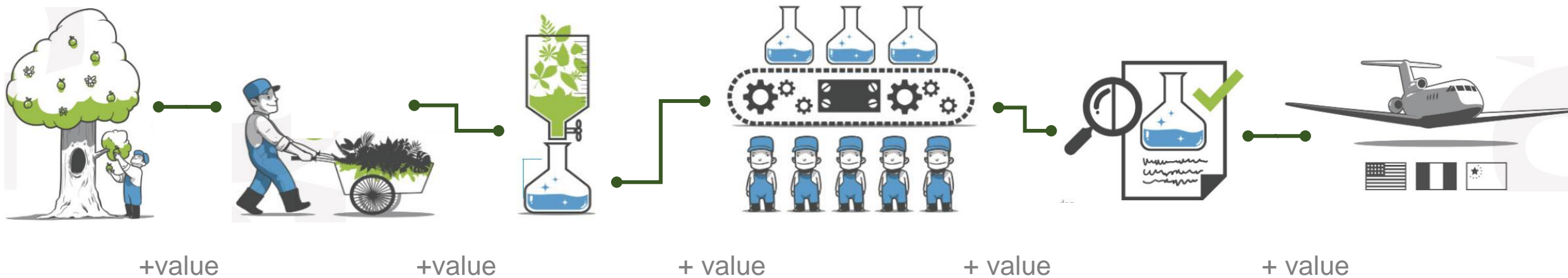


Proyectos activos en 2025

The Three C's Approach



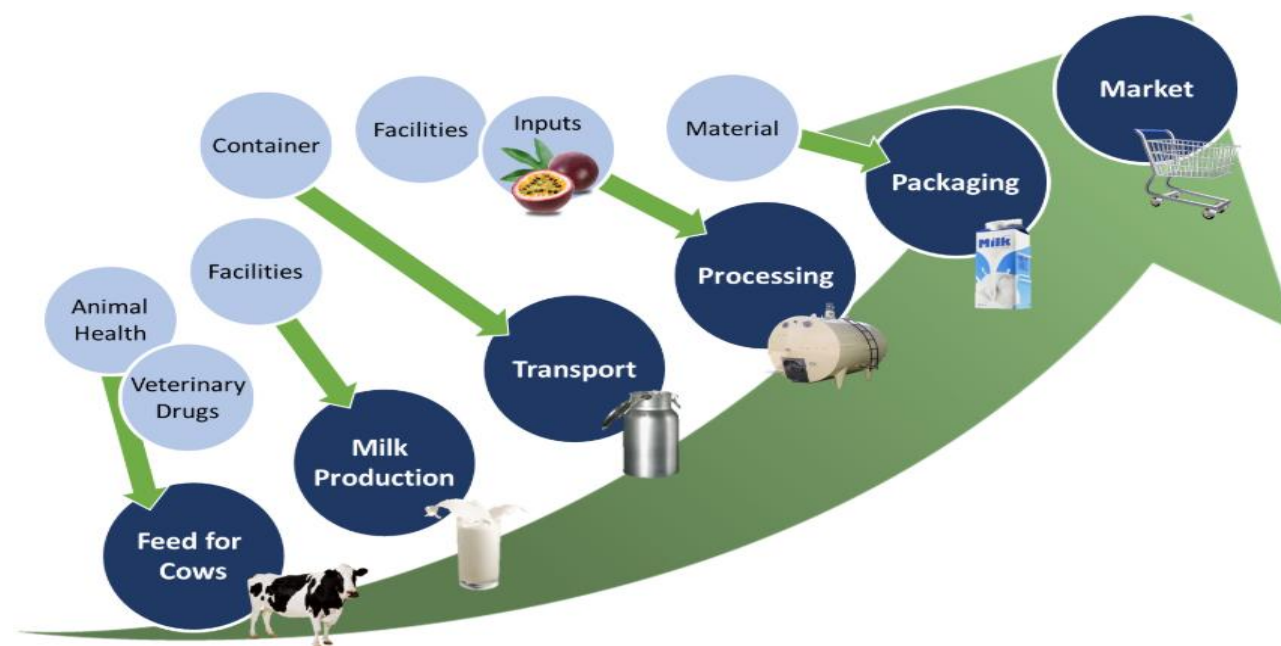
The value chain approach



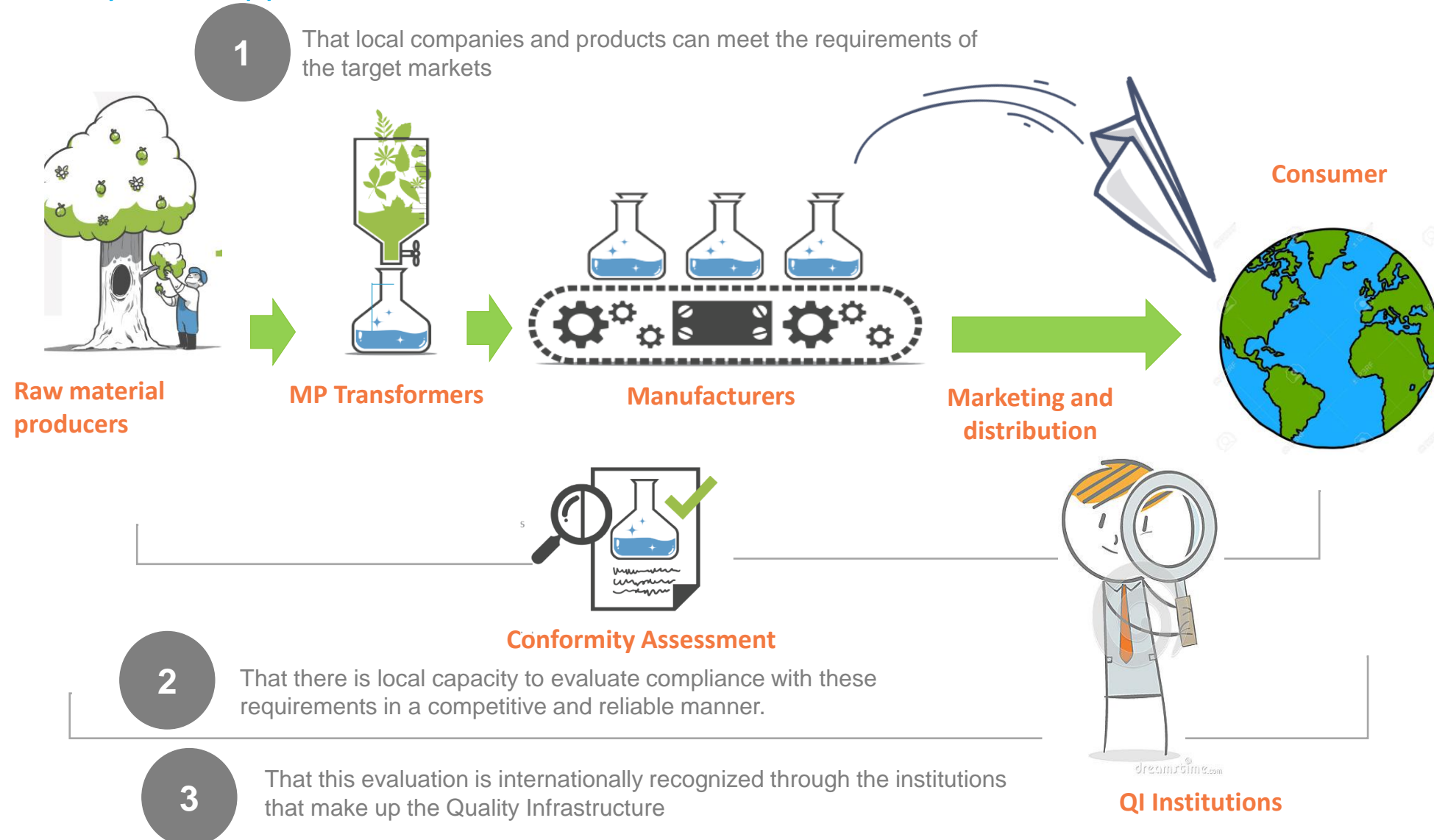
The value chain approach

To ensure the highest **quality of a product**, **market requirements** (technical regulations, voluntary and private standards) and related **quality infrastructure services** (inspection, compliance and certification) must be identified at each stage of the value chain.

Targeted capacity building should address the **supply side** (governance, institutions, conformity assessment bodies) and the **demand side** (private companies/producers).



UNIDO's systems approach





ORGANIZACIÓN DE LAS NACIONES UNIDAS
PARA EL DESARROLLO INDUSTRIAL

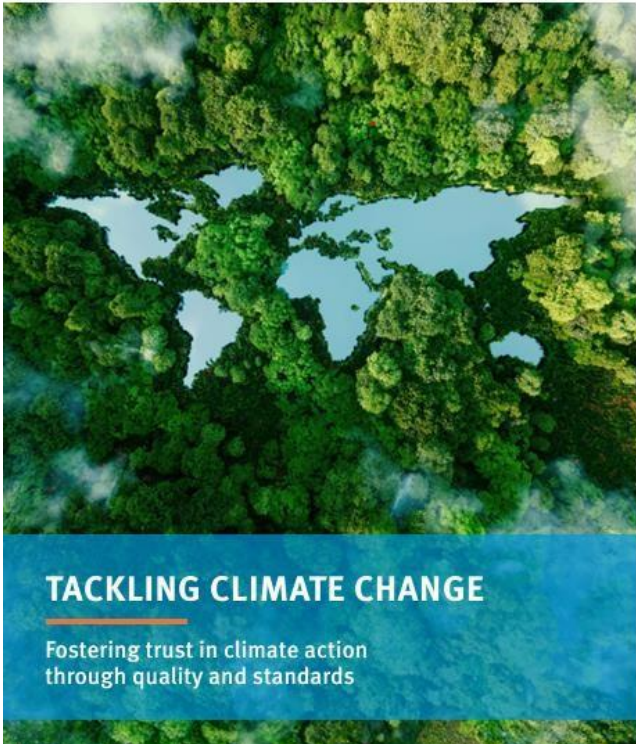


Sustainability is part of broad quality

The concept of "quality" is evolving...



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



"Inherent" quality Trade Approach

The ability to meet the needs and expectations of a product or service, a process, a system, a person or an organization, are usually defined by customers, regulators or other stakeholders.



"Broad" quality Holistic approach

- ✓ Quality of the product or service
- ✓ Organizational efficiency (which seeks to reduce waste, energy, non-renewable resources, etc.)
- ✓ Environmental considerations (including deforestation, energy use, GHG emissions, and others)
- ✓ Social issues (such as paying a living wage, avoiding child labour or forced labour)
- ✓ Governance (fraud, bribery, corruption, etc.)

Implementation of private standards and green seals

64

Beneficiary companies

53%

Beneficiary companies export to new markets

13

EU-compliant natural ingredient labels

4

Companies certified with Green Seal and Cosmos®



Requisitos de calidad incluyen consideraciones ambientales



Technical Assistance
Program in
Standardization of
Products Derived from
Circular Models

8 Companies benefited
7 New Products
206 Kg used per Kg of
product
645 Tons of waste used
each month



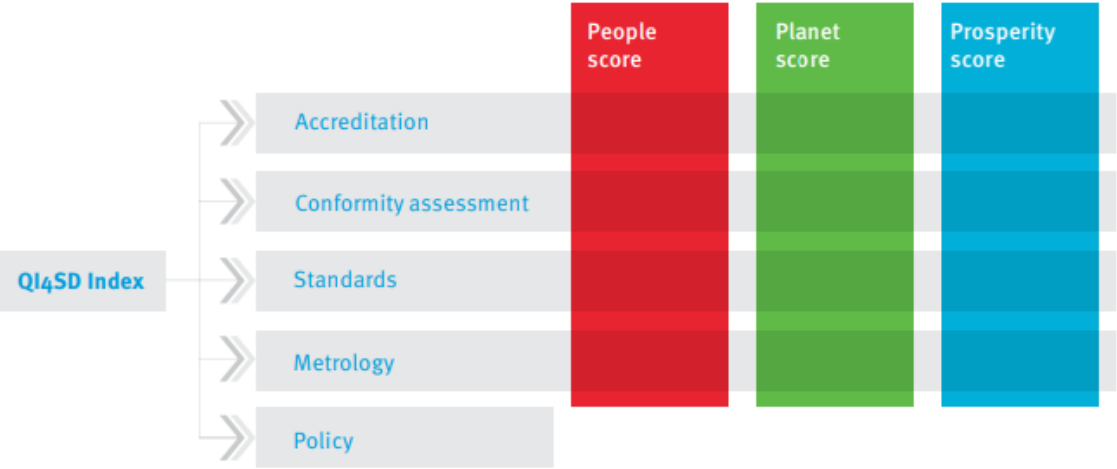
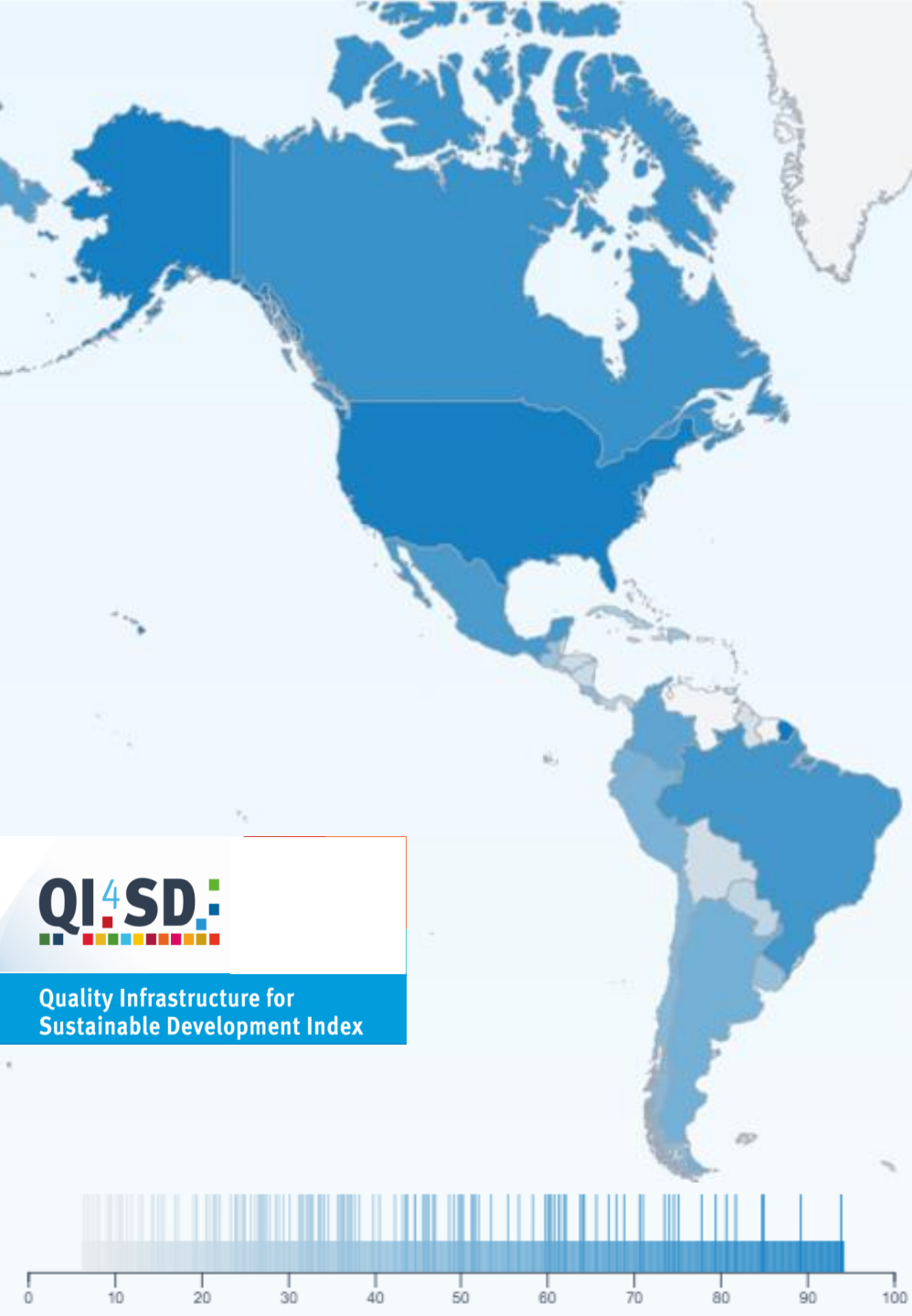
ORGANIZACIÓN DE LAS NACIONES UNIDAS
PARA EL DESARROLLO INDUSTRIAL



Quality infrastructure is key to sustainable development



<https://hub.unido.org/qi4sd>



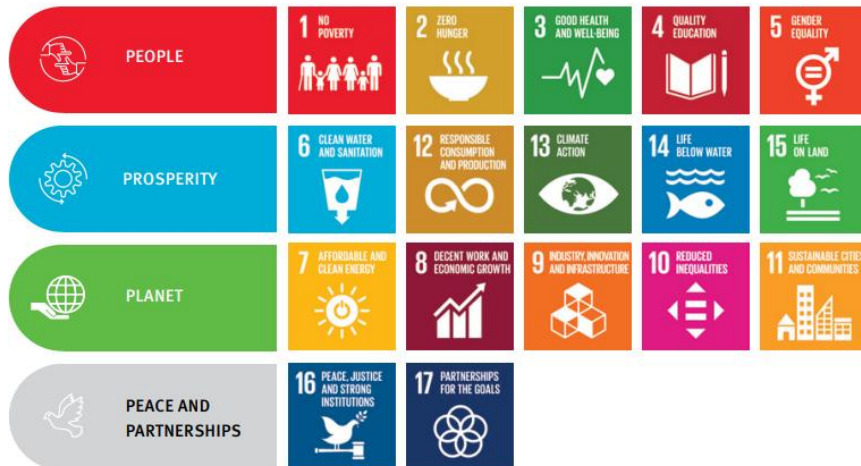


Quality Infrastructure for
Sustainable Development Index



<https://hub.unido.org/qi4sd>

SUSTAINABLE DEVELOPMENT GOALS



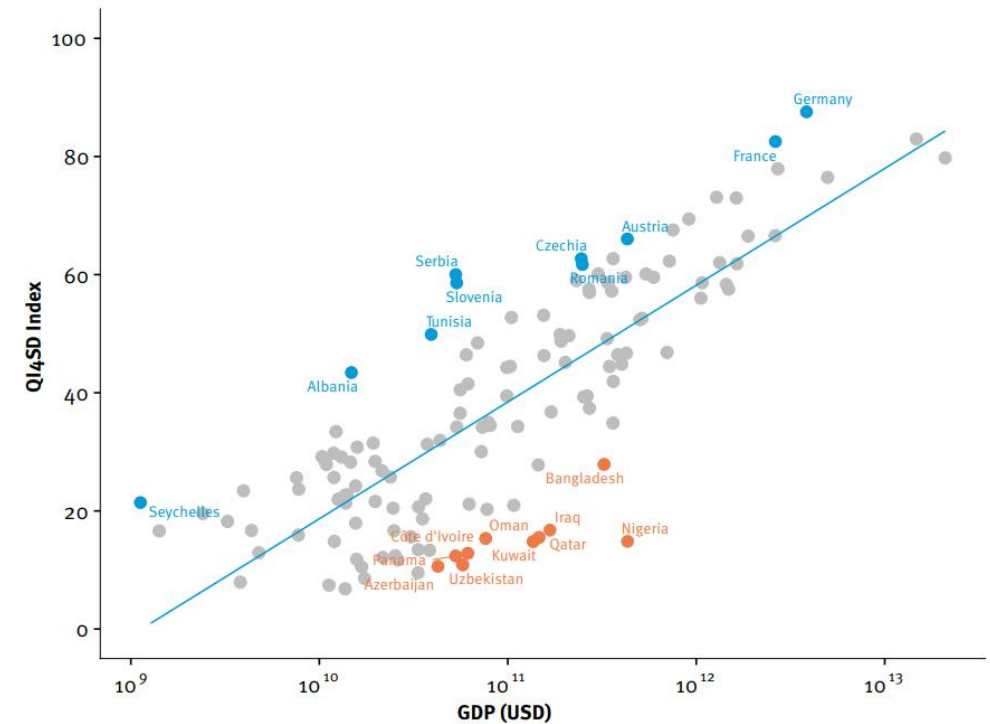
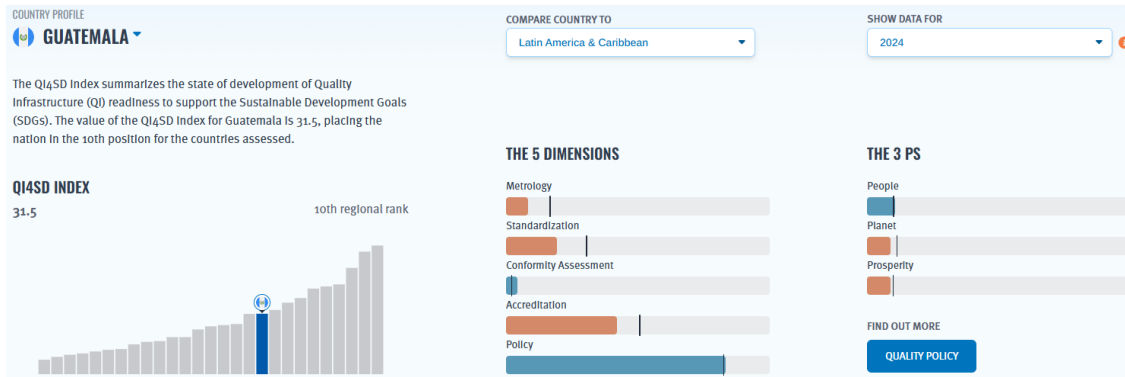
ACCREDITATION	CONFORMITY ASSESSMENT	METROLOGY	STANDARDS
Scopes of IAF accreditation bodies mapped to the 3Ps	Number of recognised ISO certificates mapped to the 3Ps	Number of CMCs mapped to the 3Ps	Adopted ISO standards mapped to the 3Ps
Scopes of ILAC accreditation bodies mapped to the 3Ps		Breadth of CMCs mapped to the 3Ps	Adopted IEC standards mapped to the 3Ps
			Participation in IEC technical committees mapped to the 3Ps
			Participation in ISO technical committees mapped to the 3Ps



Quality Infrastructure for Sustainable Development Index



<https://hub.unido.org/qi4sd>





QI contributes to the valorization of sustainable chains

QI in the valorization of coffee and cocoa chains

NICARAGUA

- Strengthened capacities of 1500 cocoa producers for improved productivity and greater environmental sustainability.
- 200 producers sale of carbon bonds.
- Cocoa processing capabilities, implementation of circular economy approaches, quality management and business management.
- Free value chain
- of deforestation, with a traceability system and climate early warning

Adaptation

Deforestation-Free Chains

Sustainable production

Circular economy

COSTA RICA

- Computer traceability tool for deforestation-free coffee
- Tool Usage Guide
- 200 producers trained

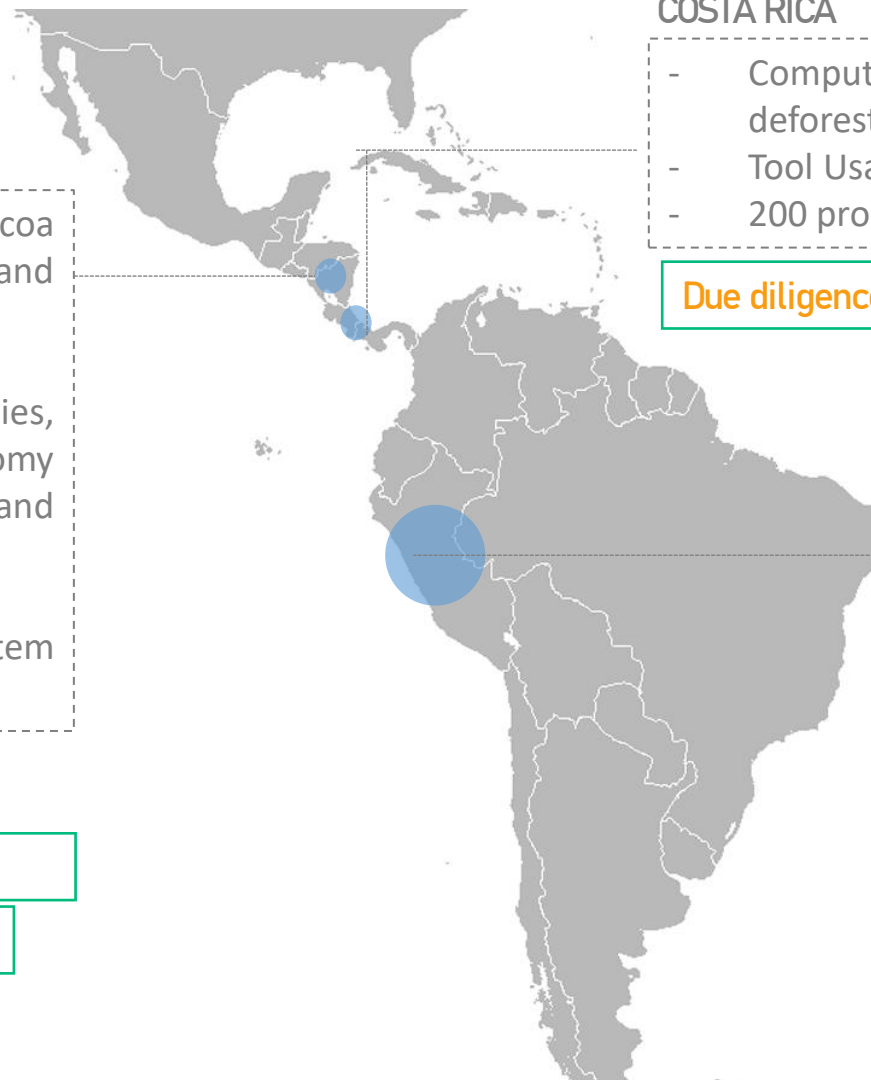
Due diligence

Deforestation-Free Chains

PERÚ

- Strengthening accreditation and metrology capacities
- Strengthen the technical capacities of IVC and regulation of organic production.
- Development and promotion of technical standards and implementation guides
- Expand Offer of Accredited Laboratories for Toxic Contaminant Analysis
- Implementation of regulations, standards and good practices in cooperatives
- Improving the culture of quality

Sustainable production





ORGANIZACIÓN DE LAS NACIONES UNIDAS
PARA EL DESARROLLO INDUSTRIAL



El enfoque de cadena de valor facilita el desarrollo de capacidades escalables y sostenibles



Improving the ability to access markets in the tilapia (Huila) and shrimp (Tumaco) aquaculture value chain

<https://gmapcolombia.com/>





OBJECTIVE

Facilitate market access for producers and SMEs through the ability to comply with quality and standards, contributing to the promotion of sustainable and inclusive development in Colombia and the improvement of its competitiveness.



2,1 MM



2021-2024

New and better quality national infrastructure services for meeting market requirements:

- Consolidation of metrological best practices
- Availability of regulatory documents for all links in the value chain
- Increased capacity for the demonstration of conformity and admissibility of aquaculture products in the world
- Improved understanding of the function of inspection, surveillance and control by the productive sector

Strengthening the culture of quality in the actors of the chain

- Bringing the language of quality and information closer to actors and regions
- Promoting understanding of the importance of quality as a contribution to sustainable development: environment and gender issues

Contribution to the strengthening of public policy bodies for the competitiveness of the chains

Promoting quality and competitiveness through compliance with requirements by the productive sector:

- Inclusion of 5 beneficiaries in the tilapia export chain for the first time
- Technical support to adapt to changing market requirements: 19 beneficiaries recertified in the new versions of the BAP standard
- Development of a toolbox that supports the strengthening of skills and knowledge
- Promoting the integration of value chain capacities through associativity to generate more opportunities for smallholders

28% of total tilapia exports in 2022 were produced by 20 beneficiaries of the GMAP Colombia project.



The systemic approach in sustainable chains maximizes the impact of new capacities



ORGANIZACIÓN DE LAS NACIONES UNIDAS
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OBJETIVOS
DE DESARROLLO
SOSTENIBLE

Improving quality and standards in the phytotherapeutic value chain

<https://gqspcolombia.com/>





OBJECTIVE

Promote the competitiveness of MSMEs, enterprises or other productive units in the Phytotherapeutic value chain with greater capacities in quality and compliance with technical and regulatory requirements.



2023-2027



EUR 1,5 MM



Quality Infrastructure: Institutions and Public Goods

- Strengthened capacities in 5 national entities: INVIMA, SIC, ICA, ICONTEC and INM (new services, training, exchanges, consultancy).
- National Laboratories with international recognition and greater competences for conformity assessment.
- Incorporation of information technologies in the quality infrastructure



Competitive value chains

- Technical Assistance for the fulfillment of technical requirements in legal metrology, BPAR and product standardization.
- Support in the standardization of bioeconomy ingredients
- Organic certifications and inclusion of new species authorized by the national health agency.
- At least 25 companies benefiting from direct technical assistance and +900 beneficiaries through training.



Quality culture and policy framework

- Support in the revision of the National Quality Policy.
- Methodological Assistance in Regulatory Impact Analysis.
- Gender mainstreaming in MSMEs.
- Support in the design of regulation and in the dissemination of the mandate of the CI.
- Promotion of tools and development of a knowledge hub



ORGANIZACIÓN DE LAS NACIONES UNIDAS
PARA EL DESARROLLO INDUSTRIAL



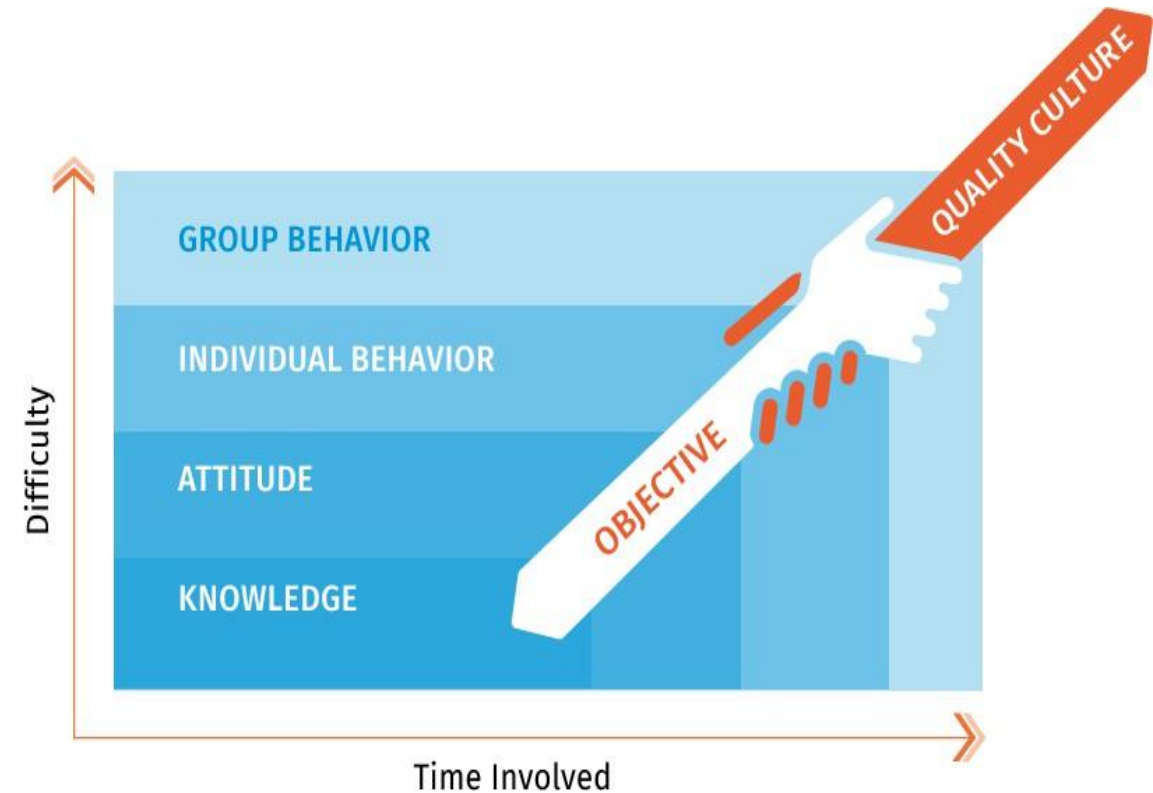
The culture of quality is the basis of transformations

The culture of quality is the basis of transformations

- An "environment" that has "broad" quality as its central axis
- A set of shared and accepted behaviors at all levels (individual, organizational, social, and national)
- It is an awareness and commitment to quality, coupled with a strong culture of fact-based decision-making and efficient quality management in all its dimensions.

Developing a culture of quality is the most effective, meaningful and sustainable way to ensure and improve quality, and to incorporate a dynamic system of change for improvement at all levels.

Source: UNIDO, 2024. Tackling climate change: Fostering trust in climate action through quality and standards.





Sustainability is part of the concept of broad quality

Quality infrastructure is key to sustainable development

QI contributes to the valorization of sustainable chains

The value chain approach facilitates the development of scalable and sustainable capabilities

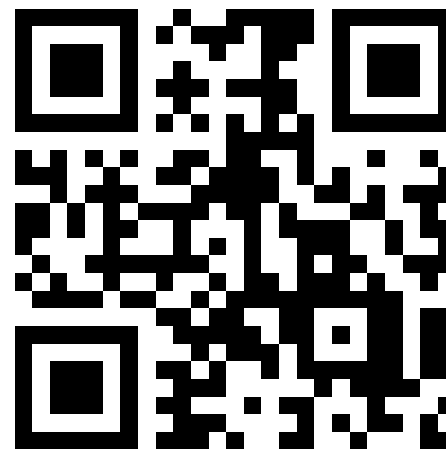
The systemic approach in sustainable chains maximizes the impact of new capacities

The culture of quality is the basis of transformations



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SOSTENIBLE



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
National Metrology Institute

SAVE THE DATE

19 March 2025 | 14:00 UTC+1

Online event

FOSTERING SUSTAINABILITY
AND RESPONSIBLE SOCIAL
AND ECONOMIC ACTION

Building legal frameworks
for a future-proof Quality
Infrastructure





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ORGANIZACIÓN DE LAS NACIONES UNIDAS
PARA EL DESARROLLO INDUSTRIAL

OBJETIVOS
DE DESARROLLO
SOSTENIBLE

A woman with dark skin and curly hair, wearing a white hard hat and a high-visibility yellow safety vest, stands in front of a background of stacked shipping containers in various colors (orange, blue, green). She is looking directly at the camera with a slight smile. A semi-transparent blue banner is overlaid at the bottom of the image, containing the text 'Thank you'.

• Thank you