



Introduction to UNCTAD BioTrade and TraBio statistical tool

Webinar on trade and biodiversity data to support the Kunming-Montreal Global Biodiversity Framework

UN Trade and Development Trade (UNCTAD)



The TraBio statistical tool and related activities are developed under the “Global BioTrade Programme: Linking trade, biodiversity and sustainable development” funded by the Swiss State Secretariat for Economic Affairs SECO

UN Trade and Development & BioTrade



Created in 1964

Part of UN
Secretariat

195 member
States

Bridgetown Covenant
(2021)
(UNCTAD 16 in Oct 2025)



Since 1996

BioTrade is the production, transformation and commercialization of goods and services **derived from biodiversity that adhere to a set of sustainability guidelines (social, environment and economic)**



The BioTrade Principles
and Criteria



The BioTrade Principles and Criteria



BioTrade 7 Principles & 25 Criteria (2007, updated 2020)

Principle 1: Conservation of Biodiversity

Principle 2: Sustainable Use of Biodiversity

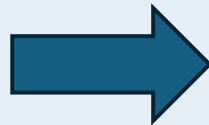
Principle 3: Fair and Equitable Sharing

Principle 4: Socio- Economic Sustainability

Principle 5: Legal Compliance

Principle 6: Respect for the rights of actors

Principle 7: Clarity on right to use & access to natural resources



Implemented by **governments, private sector & civil society** to develop biodiversity-based sectors value chains and businesses

Featured under the GBF Target 5 - Complementary indicator* (CBD/COP/DEC/15/5):

"Trends of trade and commercialization in biodiversity-based products that is sustainable and legal (in line with BioTrade Principles and/or CITES requirements)"

** Seven countries included this indicator in their national targets (1 Nov 2024)*



How it works in practice



Convention on
Biological Diversity



**Sustainable development – SDGs, MEAs,
UNCTAD mandates**

BioTrade Principles and Criteria

**Select/assess sectors, VC, companies:
identify/address needs & seize
opportunities**

*Contribute
through
practical
experiences,
guideines,
tools,
information
& lessons
learned*

Sector/value chain

Monitored through BioTrade partners such as national and regional programmes



1. National and international policy frameworks
2. Market access
3. Supply chain management
4. Enhance business capacity of SMEs
5. Access to finance

BioTrade organization

Workplan & results



Assessed
against BioTrade
Principles
& Criteria/
related schemes

**BioTrade implementation = partnerships at different
levels**



Implementation of BioTrade P&C

In a variety
of sectors,
including
biodiversity-
based
products &
services



Currently
implemented
in over 80
countries
Africa,
Americas,
Asia, Europe

Sales from
companies /
associations
US\$41 bn
(2023)
US\$40 mn
(2003)

Trade and Biodiversity “TraBio” statistical tool



The development of the TraBio was conducted under the “Global BioTrade Programme: Linking trade, biodiversity and sustainable development” funded by the Swiss State Secretariat for Economic Affairs SECO

Filling the data gap: TraBio statistical tool

Contributes to addressing the trade-biodiversity data gap by providing **free access to consistent, complete data** on bilateral and multilateral trade flows of biodiversity-based products + related indicators which **facilitates a common understanding and comparable analysis**

provide **information on trade** in biodiversity-based products

enable a better **understanding of the significance of trade** in products with a biological origin; e.g. formulate and review policies

gather, report and monitor progress on national & international policies & development processes; e.g. Kunming Montreal Global Biodiversity Framework (GBF), SDGs



Content of TraBio statistical tool

- Based on the Harmonized System (HS)
- Provides information starting from 2010 up to the most recent period available and covering 185+ economies

Components:

1. Product list and product classification of biodiversity-based products: covering 1,800+ biodiversity-based products
2. Online database: open data on bilateral and multilateral flows of trade in biodiversity-based products + indicators updated annually
3. Visualization tool: with interactive maps and charts.

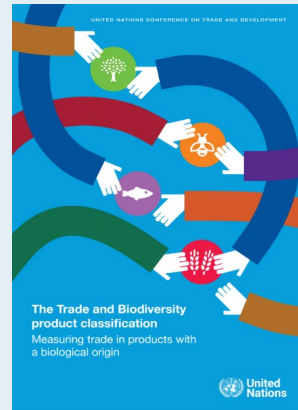
For developing TraBio, UNCTAD not only used its expertise and knowledge on trade and biodiversity, but also conducted extensive desk research, expert consultations, a pilot phase, and organized webinars with partners and experts



1. TraBio product list and product classification

All products with a biological origin (terrestrial and aquatic), meeting at least one of the following criteria

- **intrinsically and integrally based on biological resources** at a **non- or low-processed stage** (e.g. *cocoa beans*)
- when inputs, processed products that **solely or principally use biological resources-based ingredients** (e.g. *wooden furniture*)
- when they are **derivatives**, they are **derived mainly from biological resource-based products** (e.g. *soap containing glycerol from animal fats*)
- **exclusion products without biological origin:** minerals, ores and metal



13 Groups

(Level 1: High aggregation)

86 Subgroups

(Level 2)

230 Categories

(Level 3)

79 Sub-categories

(Level 4: (low aggregation))

Live animals and plants

Food and beverage

Agricultural inputs

Natural ingredients

Perfumery, cosmetic, personal care and room care preparations

Pharmaceuticals

Hides, skins, leather, furskins and products thereof

Natural fibres and articles thereof

Wood and derived products

Vegetable plaiting materials and articles thereof

Other products of animal origin

Other products of plant origin

Miscellaneous



2. TraBio online database

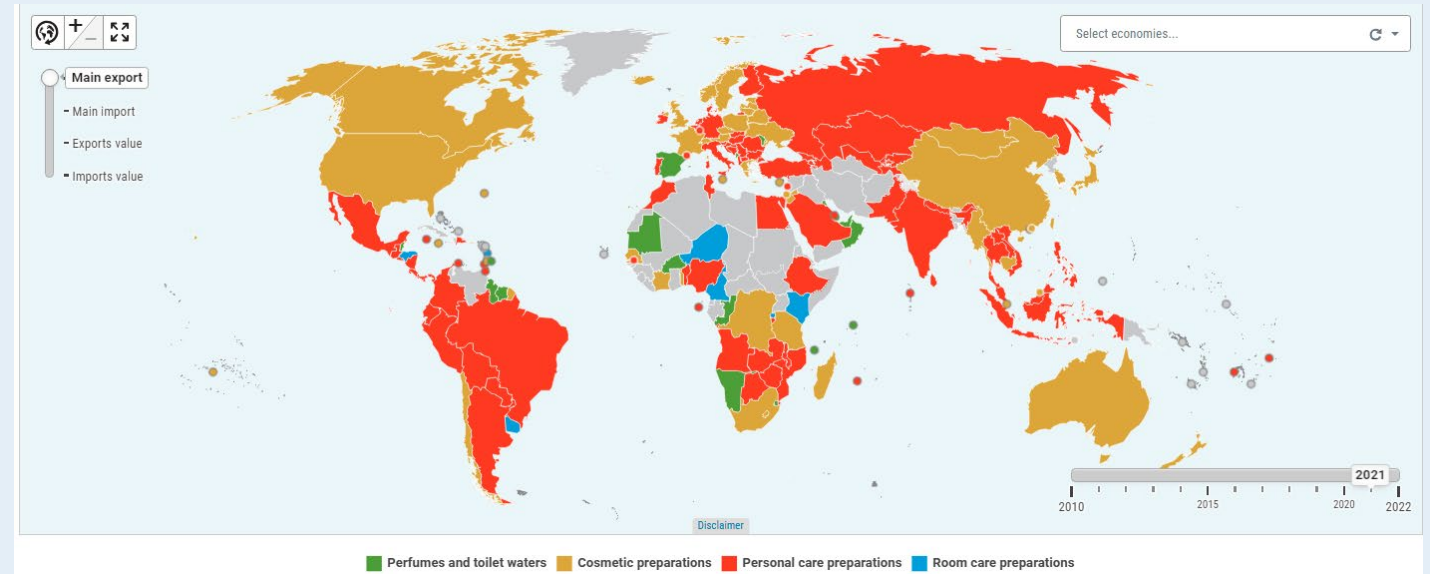
Data on annual trade flows of biodiversity-based products + trade indicators (updated annually for +185 economies)

✓ Trade in biodiversity-based products

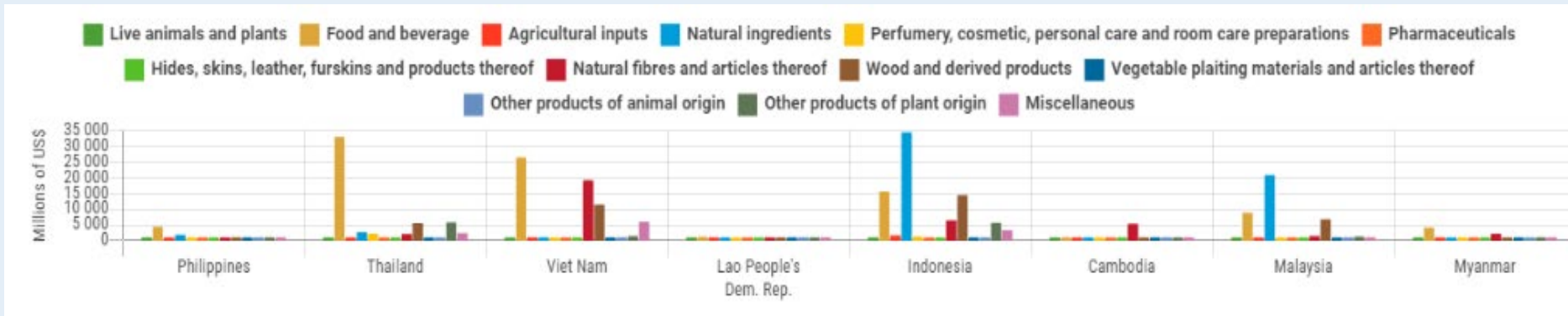
Trade and Biodiversity - Biotrade, annual			10 Jan. 2025
Trade and Biodiversity - Biotrade, growth rates, annual			10 Jan. 2025
Trade and biodiversity - Biotrade as percentage of Gross Domestic Product, annual			10 Jan. 2025
Trade and biodiversity - Biotrade as percentage of total trade, annual			10 Jan. 2025
Trade and Biodiversity - Market concentration indices of exports and imports of products, annual			10 Jan. 2025
Trade and Biodiversity - Market structural change indices of exports and imports of products, annual			10 Jan. 2025
Trade and Biodiversity - Revealed comparative advantage index, annual			10 Jan. 2025
Trade and Biodiversity - Product concentration indices of exports and imports, annual			10 Jan. 2025

2. Interactive visualization tool (maps & charts)

Total global exports or also per **Group level** of the TraBio product classification:
“Perfumery, cosmetic, personal care & room care preparations”

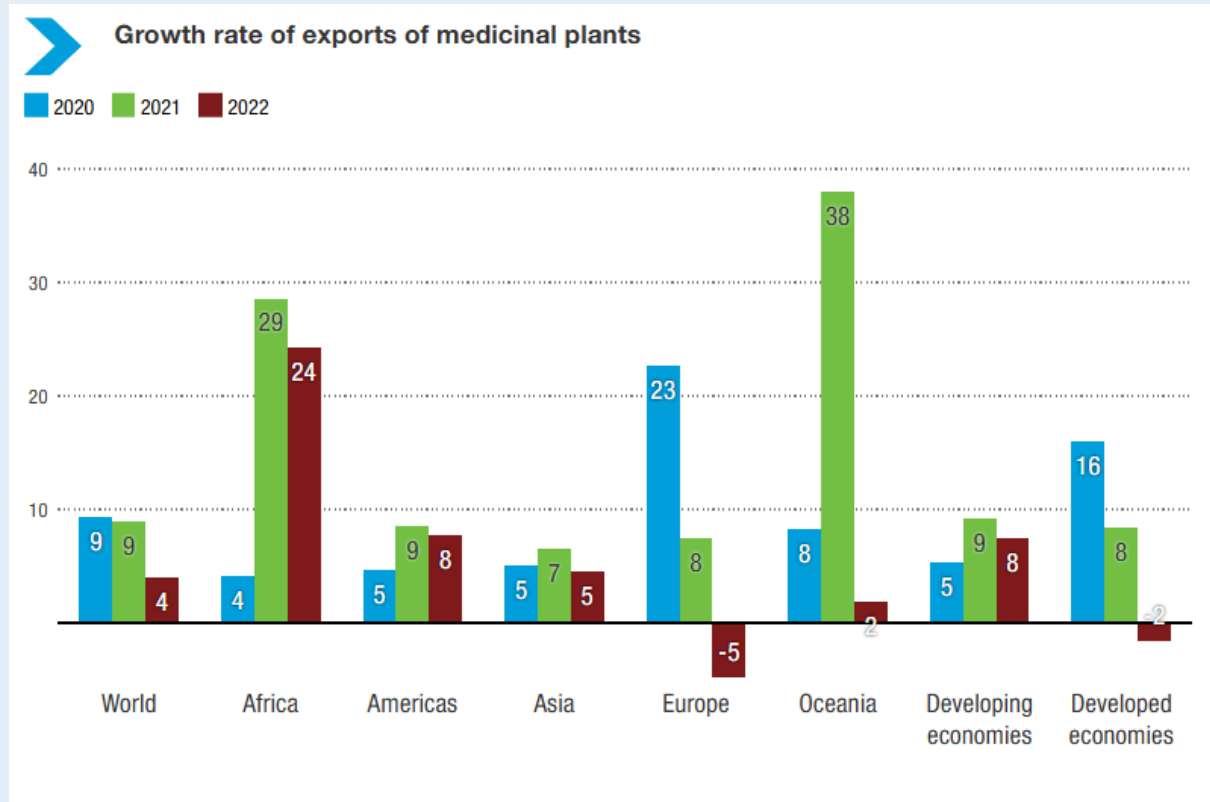


Trade in biodiversity-based products at the **regional & national levels**, e.g. selected ASEAN countries (2021)



TraBio information for the KMGBF

Growth rate of exports of medicinal plants (2020-2022)



**Provides information for Goal B -
Complementary indicator *
(CBD/COP/DEC/15/5):**

“Trends in the legal trade of medicinal plants”

** Three included this indicator
in their national targets (1 Nov 2024)*

iWG on Trade and Biodiversity statistics

Convened to **improve collection of data on the commercialization & trade of biodiversity-based products and its socio-economic and environmental impact**



80+ experts are part of the iWG and represent **over 50 institutions** and **18 member States**

5 informal WG meetings held between 2023 – 2024

Key results of the iWG work

Scope and coverage: definition of BD based product (as per UN Trade and Development's definition); Supply chain stages covered; considers indicators under KMGBF and SDGs



Workstreams for current & potential future work

**CLASSIFICATIONS
AND STANDARDS**

DATA AND INDICATORS

**DATA DISSEMINATION –
NEW TECHNOLOGIES**

Ongoing collaborative work w/iWG members: draft working paper on enhancing trade and biodiversity statistics

Thank you!

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 **@BioTrade Initiative**
 **@UNCTAD-BioTrade**

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