



Exports value
Imports value

Brazil X China X France X Germany X
India X South Africa X

Trade and Biodiversity (TraBio) statistical tool

UN Trade and Development's BioTrade Initiative and Statistics Service

Millions of US\$

500 000
20 000
4 000
900
0
No data

Roundtable 3: Discussion: Future Research Work on VSS and Biodiversity

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The activities on trade and biodiversity statistics, including TraBio, are developed 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)
- All products with a biological origin (terrestrial and aquatic)
- Provides information starting from 2010 up to the most recent period available

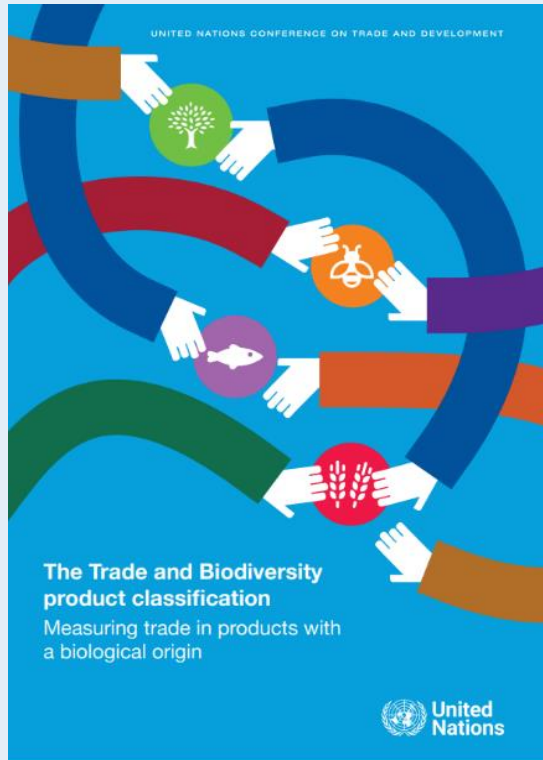
Components:

1. Product list and product classification of biodiversity-based products covering 1,800+ biodiversity-based products
2. Online database on trade flows in these products and related indicators updated annually **from 2010 onwards and covering 185+ economies**
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 and organized webinars with partners and experts

1. TraBio product list and product classification



13 Groups
(Level 1: High aggregation)

86 Subgroups
(Level 2)

230 Categories
(Level 3)

79 Subcategories
(Level 4 : (low aggregation))

Example of the 13 Groups

- 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

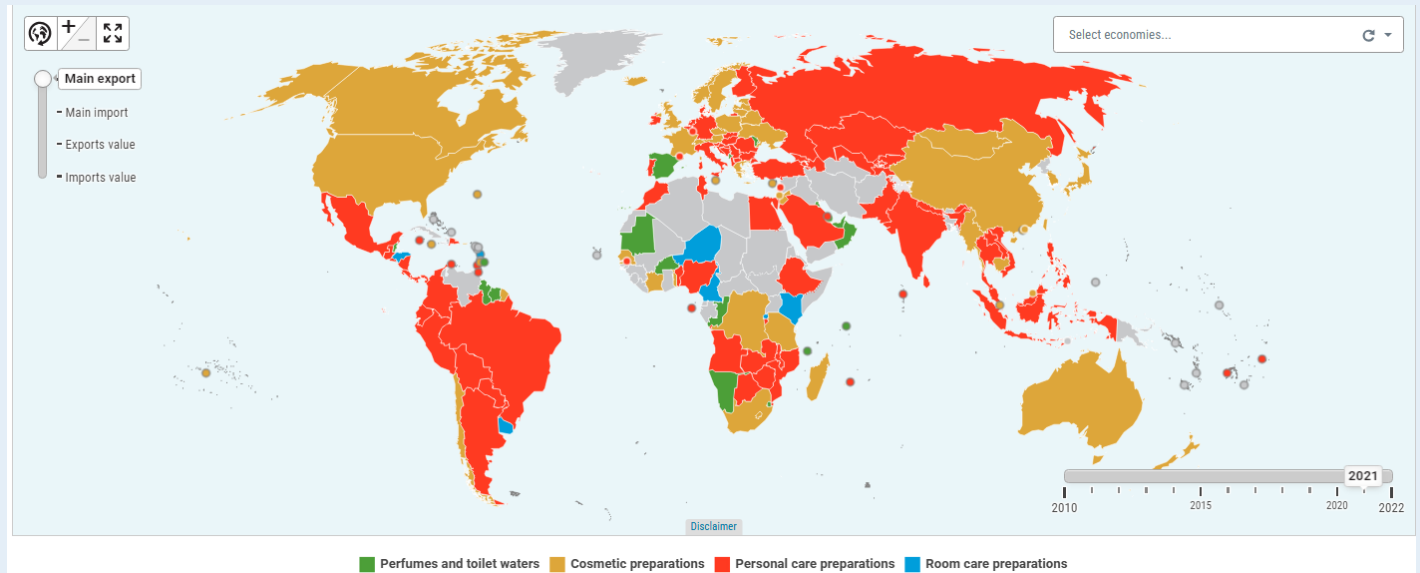
2. Online Database

Data on annual trade flows of biodiversity-based products & trade indicators since 2010

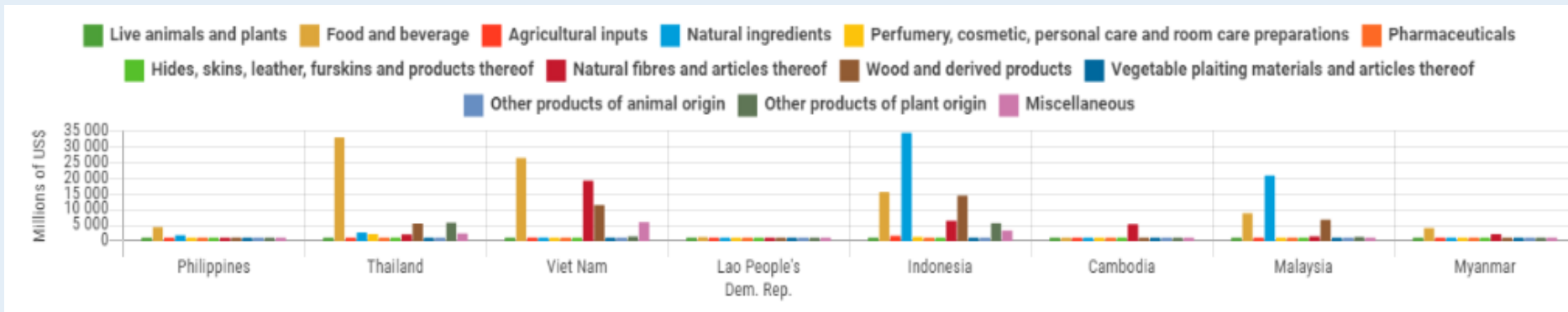
▼ Trade and biodiversity		
Trade and Biodiversity - Biotrade, annual	 	21 Nov. 2023
Trade and Biodiversity - Biotrade, growth rates, annual	 	21 Nov. 2023
Trade and Biodiversity - Biotrade as percentage of Gross Domestic Product, annual	 	21 Nov. 2023
Trade and Biodiversity - Biotrade as percentage of total trade, annual	 	21 Nov. 2023
Trade and Biodiversity - Market concentration indices of exports and imports of products, annual	 	21 Nov. 2023
Trade and Biodiversity - Market structural change indices of exports and imports of products, annual	 	21 Nov. 2023
Trade and Biodiversity - Revealed comparative advantage index, annual	 	21 Nov. 2023
Trade and Biodiversity - Product concentration indices of exports and imports, annual	 	21 Nov. 2023

3. Interactive visualisation 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)



Rich analytical potential

	US\$ millions
Food and beverage	1 358 261.6
Pharmaceuticals	563 271.3
Wood and derived products	486 842.7
Natural fibres and articles thereof	394 077.3
Natural ingredients	326 017.7
Perfumery, cosmetic, personal care and room care preparations	143 864.3
Miscellaneous	125 086.8
Agricultural inputs	93 175.2
Hides, skins, leather, furskins and products thereof	68 096.0
Other products of plant origin	60 389.3
Live animals and plants	52 299.1
Other products of animal origin	18 722.4
Vegetable plaiting materials and articles thereof	7 931.0

Source: UNCTAD calculations based on UNCTADstat ([UNCTAD, 2023a](#)).

Note: Data refer to biotrade goods as identified by [UNCTAD \(2022\)](#), based on

Global **export** of
biodiversity-based goods
value at **US\$ 3.7 trillion in
2021**

Trade of biodiversity-based products **resilient
throughout the COVID-19 pandemic, +18% in
2021**

Asia's share increasing fastest



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

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

Thank you!

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