

# Trade and Biodiversity (TraBio) Statistical Tool: A Webinar on trade and biodiversity data to support the KMGBF

Online event | 6 March 2025 | 15:30 – 17:30 CET

TraBio and this webinar are developed under the “Global BioTrade Programme: Linking trade, biodiversity and sustainable development”  
funded by the Swiss State Secretariat for Economic Affairs SECO



# Interprétation disponible

# Interpretación disponible

EN

Interpretation available!

Click on the interpretation button and choose the language of interpretation.

FR

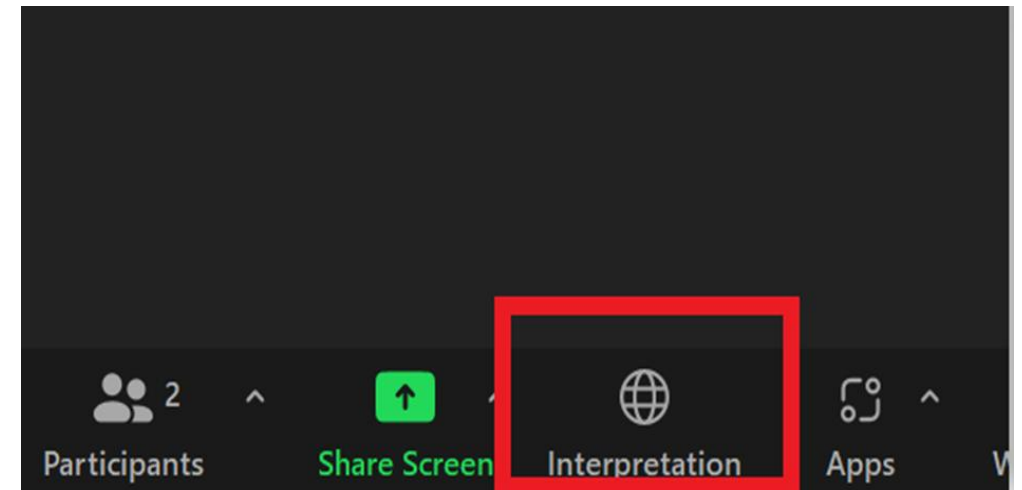
Interprétation anglais -> français disponible !

Cliquez sur le bouton d'interprétation et choisissez la langue d'interprétation.

ES

¡Interpretación inglés -> español disponible!

Haga clic en el botón de interpretación y elija la lengua de interpretación



# Technical tips



**If you have comments or questions** during presentation, you can post them in the chat



**If you can't hear or see:** close and restart webinar, and close other programs.



**This webinar is being recorded** and will be shared for further learning purposes.



**Microphones are off.** You are invited to use the chat to post comments or questions. You are welcome to unmute during the Q&A.

# Agenda

15:30 - 15:40	<b>Welcome &amp; setting the scene</b> Gloria Spezzano, Moderator, Helvetas Swiss Intercooperation
15:40 – 15:45	<b>Opening remarks</b> Lorena Jaramillo, Economic Affairs Officer, UN Trade and Development, UNCTAD
15:45 – 16:00	<b>Introduction to UNCTAD BioTrade and TraBio statistical tool</b> Lorena Jaramillo, Economic Affairs Officer, UNCTAD
16:00 – 16:20	<b>Live presentation of the TraBio statistical tool</b> Diana Camerini, Associate Statistician, UNCTAD
16:20 – 16:45	<b>Practical part – trying out the TraBio statistical tool</b>
16:45 – 17:15	<b>Questions &amp; Answers</b>
17:15 – 17:30	<b>Closing remarks</b> Lorena Jaramillo, Economic Affairs Officer, UNCTAD

# Opening Remarks

**Ms. Lorena Jaramillo**

Economic Affairs Officer  
UN Trade and Development (UNCTAD)

# Introduction to UNCTAD BioTrade and TraBio statistical tool

**Ms. Lorena Jaramillo**

Economic Affairs Officer  
UN Trade and Development (UNCTAD)



## Introduction to UNCTAD BioTrade and TraBio statistical tool



*The 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

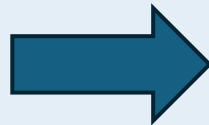
Principle 3: Fair and Equitable Sharing

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

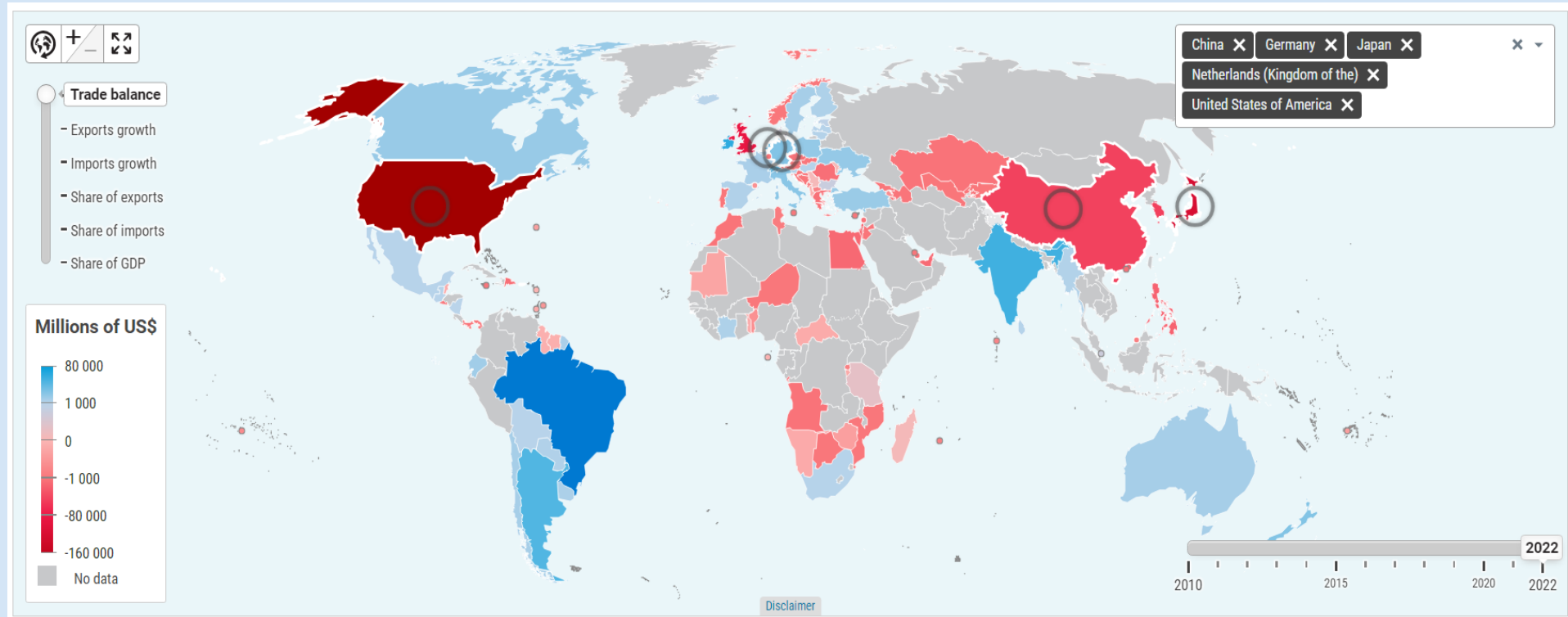
In a variety of sectors,  
including  
biodiversity-  
based products  
& services



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

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

# Trade and Biodiversity “TraBio” statistical tool



# 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.

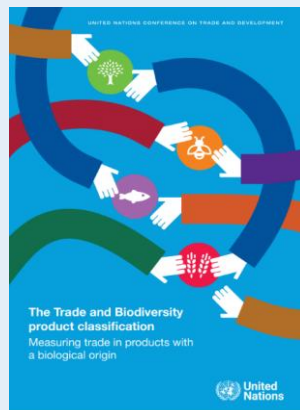
*For developing TraBio, UNCTAD not only used its expertise and knowledge on trade and biodiversity, but also conducted extensive desk research, expert consultations, a pilot phase, and organized webinars with partners and experts*



# 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 Sugbgroups**  
(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

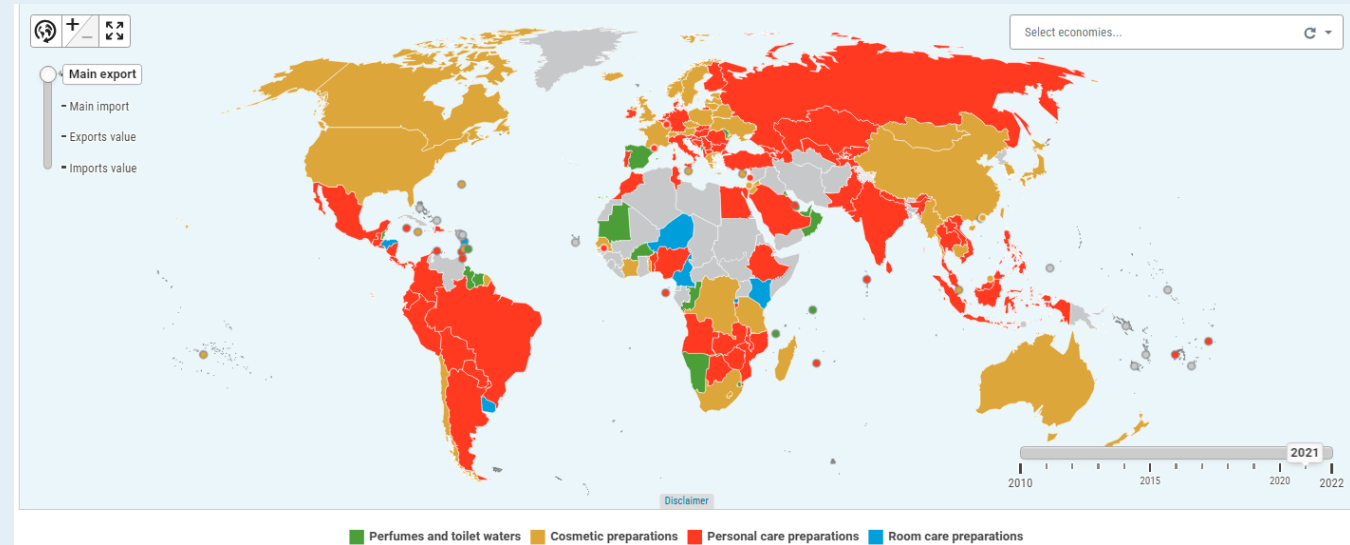
### ▼ Trade in biodiversity-based products

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

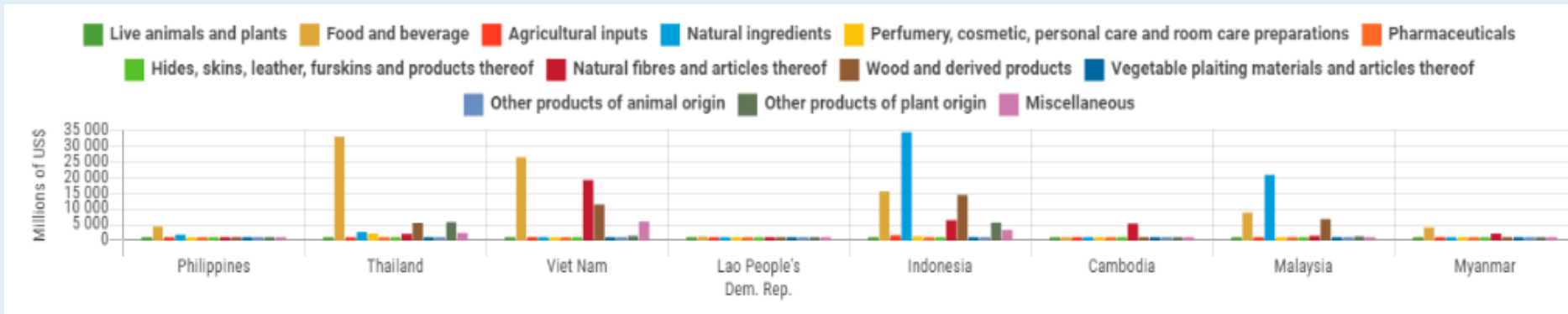


### 3. Interactive visualization tool (maps & charts)

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

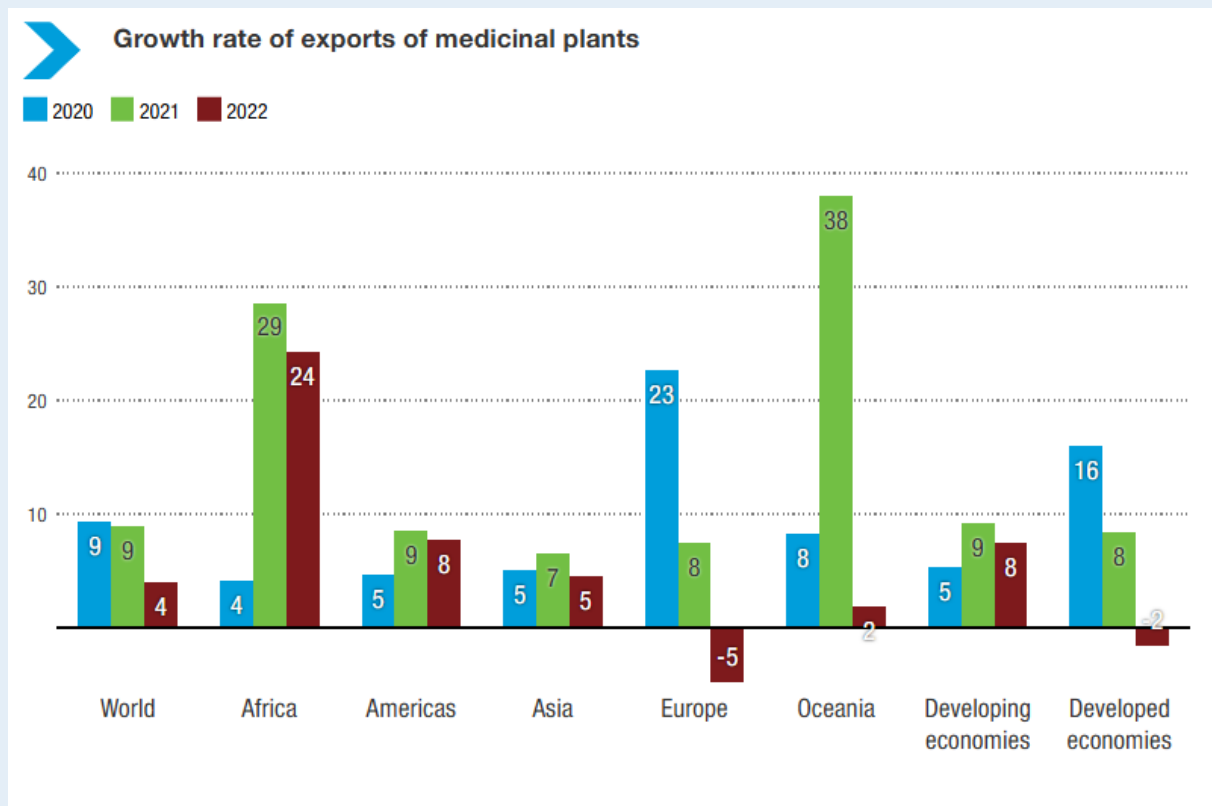


Trade in biodiversity-based products at the **regional & national levels**, e.g. selected ASEAN countries (2021)



# TraBio information for the KMGBF

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



Source: TraBio/UNCTADstat

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

*“Trends in the legal trade of medicinal  
plants”*

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

# Informal Working Group 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!

UN Trade and Development Trade (UNCTAD)

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@UNCTAD\_BioTrade



@BioTrade Initiative



@UNCTAD-BioTrade

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# Live presentation of the TraBio statistical tool

**Ms. Diana Camerini**

Associate Statistician  
UN Trade and Development (UNCTAD)

# Practical part – group work

## Instructions

Choose the most suitable practical cases for you and practice!

Please choose a room based on your preferred language

Time: 10'

# Practical part – Perspective of the Ministry of Planning and Investment

The Ministry of Planning and Investment of your country would like to understand:

- the trends of exports in biodiversity-based products in terms of trade value
- how much this trade represents in terms of your country's GDP in 2022 (or the latest available data)
- how much this trade represents in terms of your total trade in 2022 (or the latest available data)

Le ministère de la planification et de l'investissement de votre pays souhaite comprendre :

- les tendances des exportations des produits basés sur la biodiversité en termes de valeur commerciale
- la part de ce commerce dans le PIB de votre pays en 2022 (ou les dernières données disponibles)
- la part de ce commerce dans le commerce total de votre pays en 2022 (ou les dernières données disponibles)

El Ministerio de Planificación e Inversión de su país desearía conocer:

- las tendencias de las exportaciones de productos basados en la biodiversidad en términos de valor comercial
- cuánto representa este comercio en el PIB de su país en 2022 (o el último año que exista información)
- cuánto representa este comercio en el comercio total de su país en 2022 (o el último año que exista información)



# Practical part – Perspective of governments

What are the trends in the trade of Medicinal Plants in your country (2010 – 2021 or the latest year with available data)?

Quelles sont les tendances du commerce des plantes médicinales dans votre pays (2010 – 2021 ou les dernières données disponibles) ?

¿Cuáles son las tendencias del comercio de plantas medicinales en su país (2010 – 2021 o el último año que exista información)?

# Closing Remarks

**Ms. Lorena Jaramillo**

Economic Affairs Officer  
UN Trade and Development (UNCTAD)

# Thank you!

TraBio Statistical Tool

