Wild products/ Non-wood forest products @ FAO:

"Re-wilding" our food systems for biodiversity, climate, livelihoods & health



"Preserving traditional and local food systems - many of which are inherently biodiverse can contribute to improving food security, nutrition and livelihoods, and must also be seen as a core part of current nature conservation solutions."



WILD-HARVESTED PLANTS TRADE AT A GLANCE

SUPPLY DEMAND



1.2 BILLION

people in the tropics highly dependent on nature to meet their basic human needs'

The people who depend the most on nature are often the poorest and are located in the least developed areas

Of nearly

60 000 TREE SPECIES worldwide:

have a medicinal or aromatic use are directly used by humans for food, fuel, timber; medicines, horticulture, and more 30% are threatened with extinction are recorded as extinct in the wild

MAIN THREATS to tree species are















are threatened with extinction

DEMAND IS GROWING

for medicinal and aromatic plant species, between 2000 and 2020:



+75%

trade value growth once adjusted for inflation^a

+22%

growth in volume of medicinal and aromatic plant species in global trades

TOP TRADERS

of wild-harvested plant ingredients by value in 20204

IMPORT

USA.

Germany Jenen

Chine Chine, Hong Kong SAR



Many wild plant ingredients are used in

and remedies, resulting in a recent increase in demand^a

3.5-5.8 BILLION global users of non-timber forest products⁴





23% of all EU wildlife seizures in 2019

were of plant-derived medicinals:

- Food systems occupy the biggest niche of the bioeconomy
 - wild and semidomesticated foods, in tandem with smallholder agriculture, make a far more significant contribution to nutrition and health than commercial agriculture, and are often far more sustainable.







WHAT ARE THE OPPORTUNITIES AND CHALLENGES

ON THE PATH TOWARDS TRANSFORMATION?



LAC boasts

(in comparison to the world):

of the population

of the rural population

of the agricultural land

33 % of the available but unused area for agriculture

23 % of the forest cover

Rural areas compared to urban areas in LAC:

Poverty is 1.8 times greater.

Extreme poverty is **2.6** times greater.

Child labor is more than double.

The female component of rural poverty is on the rise.

64.1 % vs 87.9 % has access to basic infrastructure.

22 % vs 54.7% of the population receives a pension.

50 % of the world's biodiversity Young people in rural areas receive 11 p.p less education.

Source: The Outlook for Agriculture and Rural Development in the Americas: A Perspect Latin America and the Caribbean 2019-2020 | ECLAC FAO IICA



Our Work

Supporting biodiversity-friendly, nutrition-sensitive and innovative wild product-based value chains for improved food security, nutrition and livelihoods.



Sustainable management of wild plants & associated habitats & services

Sustainable & nutrition-sensitive value chains

Data & knowledge

Enabling environment

















IUCN FASSC

Why now?

Covid-19 is stark reminder of the dangers related to the destruction of wild landscapes, including forests...





... and the fragility of food systems....

CLIMATE CHANGE, **MALNUTRITION BIODIVERSITY** LOSS **HOMOGENIZATION OF DIETS AND LANDSCAPES**

Why now?

- New opportunities for "old", traditional products
- Food/nutrition, pharmaceutical, cosmetics, medicinal, industrial
- The wealth represented by certain forest ecosystem services (recreation and hunting, habitat, the provision of non-timber forest products, and water services) is estimated at USD 7.5 trillion





1. Sustainable management, conservation and restoration of wild plants/crop wild relatives (CWR) and associated ecosystems, including enhancing pollination services.



2. Functioning nutrition-sensitive, biodiversity-friendly and innovative consumption and production/value chains.



THE 'WILD DOZEN' INGREDIENTS ARE:

Promiss advicated

JUNIPER (Pycymtsize AFRICAN. Moroecani Oil

About

WILDCHECK

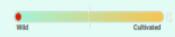


BRAZIL NUT, Bertholletia excelsa Bonpl.

NAMED IN INGREDIENTS AS

Brazil nut

WILD-HARVESTED VS CULTIVATED



Wild (Peru Ministerio del Ambiente, 2014)

DISTRIBUTION



Bolivia, Brazil, Colombia, French Guiana, Guyana, Peru, Suriname, Venezuela (RBG Kew Science, n.d.)

GLOBAL CONSERVATION STATUS



IUCN: Vulnerable, needs updating (Oldfield et al., 1998).



CITES: Not listed

PRODUCTS IT IS FOUND IN



Brazil nuts are primarily consumed as **food**, and to a lesser extent, are also processed into oil for use in the cosmetics sector (UNCTAD, 2005).





World production of Brazil nuts, in shell, 2001 - 2018

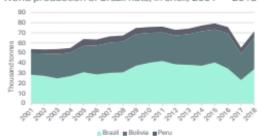


FIGURE 4

The different colours represent the proportion that each country has contributed to total global production Sources: Sorrenti et al., forthcoming, Peru – FAOSTAT estimates; Bolivia – FAOSTAT official data and 2018 estimate; Brazil - from 2001 to 2015 FAOSTAT official data; 2016-2018 Instituto Brasileiro de Geografia e Estatistica (IBGE).

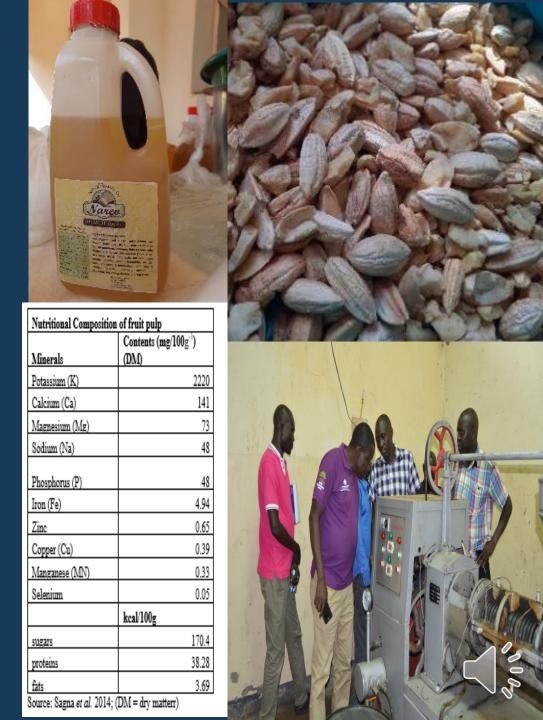
Brazil nut prices have been relatively steady in the decade from 2010-2020, as demonstrated in Table 6

YEARLY PERIOD	2009/10	19/11	11/12	12/13	13/14	14/15	15/16	17/18	18/19	19/20
MILLIONS USD	180	210	180	170	190	240	230	230	340	200
INFLATION- ADJUSTED (MILLIONS USD)	214	242	203	189	208	262	248	237	344	2.0

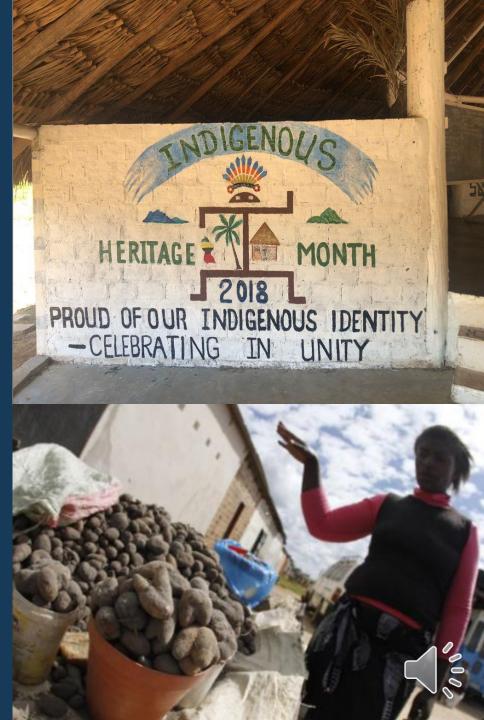
Nutritionsensitive value chains



Training in best practices, standards, certification



3. Enabling institutional and socio-economic environment... safeguards, policies, legislation, intellectual property...







SUMMARY OF POTENTIAL POLICY ACTIONS PROPOSED TO LEVERAGE NWFP

SUPPLY SECURE THE CONSERVATION AND SUSTAINABLE SUPPLY OF NWFP

VALUE BUILD COMPETITIVE AND EQUITABLE VALUE CHAINS

INFORM PROVIDE TRANSPARENCY, DATA AND INFORMATION FLOW ON NWFP

ENABLE CREATE ENABLING CONDITIONS

Non-wood forest products for people, nature and the green economy. Recommendations for policy priorities in Europe

A white paper based on lessons learned from around the Mediterranean

Inazio Martinez de Arano, Sara Maltoni, Alvaro Picardo, Sven Mutke

Published by

The European Forest institute and the Food and Agriculture Organization of the United Nations



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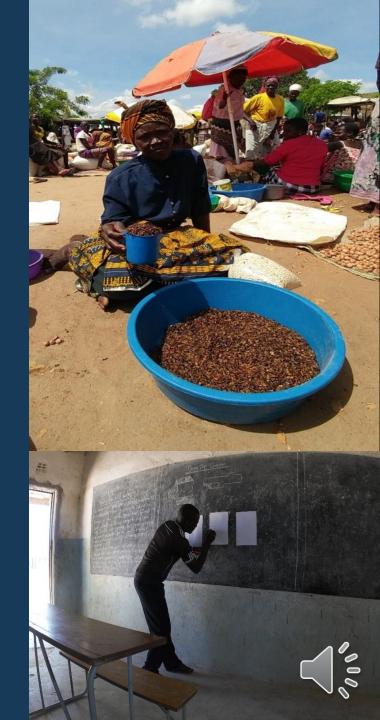


Strengthening and facilitating access to knowledge and information at international, national and sub-national scales.

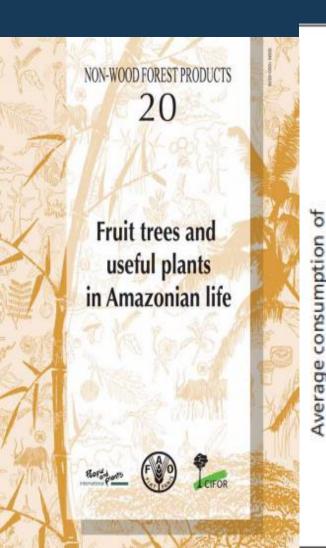




Measuring what counts...

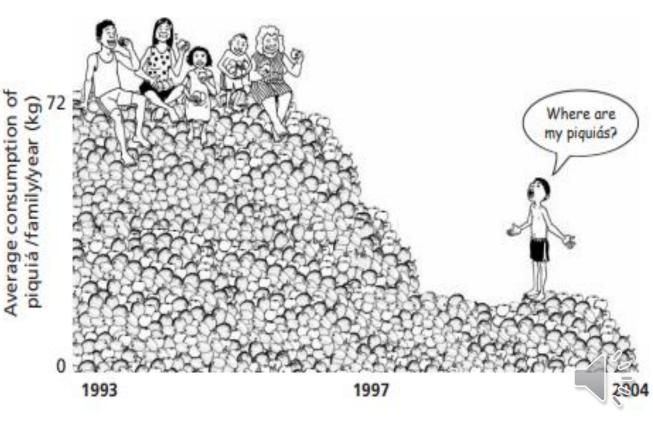


PEOPLE & PLANTS



Irreversible losses:

Consumption of piquiá by one community in Pará after 13 timber sales



Wildlife = fauna

SWM SUSTAINABLE WILDLIFE MANAGEMENT PROGRAMME



& FLORA

WILD
PLANTS
PROGRAMME



Interested in supporting or learning more about our **Wild Plants** Programme?

<u>Contact:</u> Giulia.Muir@fao.org

