



State of the art of Non-Wood Forest Products, focus on fiscality and new national and international regulations
Padova, 5th December 2018

Wild forest products: a hidden sector

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1

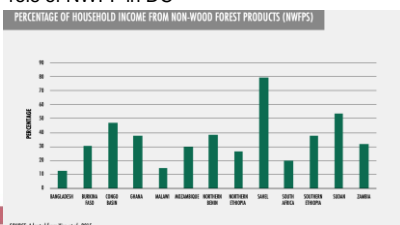


3

NWFP economic role

- In **SOFO 2018**: no data, only case studies

A focus only on the role of NWFP in DC



SOURCE: Adapted from Pies et al., 2015.

5

A cluster of products A complex issue to deal



A picture made by Enrico Vidale (StarTree H2020 project)

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2

NWFP economic role

- FAO estimates that NWFPs generated **US\$88 billion** in 2011 ([SOFO, 2014](#)).
- 76 million tonnes** of food from the forest were consumed on average in 2011 ([SOFO, 2014](#)).
- 1 billion people** are thought to depend on *wild* foods ([Burlingame, 2000](#)).
- 80%** of the population of developing countries rely on traditional medicines, mostly plant drugs, for primary health care.

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4

NWFP economic role

- NWFP in Europe: a market segment of the rural economy perceived as marginal and declining:
 - No clear definition

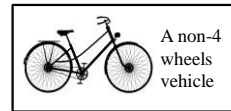
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6

Definitions (source: Muir, 2018)

Non-wood forest products	NWFPs consist of goods of biological origin other than wood, derived from forests, other wooded land and trees outside forests. (FAO, 1999)
Non-timber forest products	The term NTFP encompasses all biological materials other than timber which are extracted from forests for human use (DeBeer & McDermott, 1989)
Wild forest products	"Wild product" results from the "collection of edible plants and parts thereof, growing naturally in natural areas, forests and agricultural areas" (EU Art. 12, comma 2, Reg. 834/07 "organic law")
Minor forest produce	All non-timber forest produce of plant origin including bamboo, brush wood, stumps, cane, lantana, coccoloba, honey, wax, lac, or kendu leaves, medicinal plants, and herbs, roots, tubers and the like. (Government of India)
Secondary or side use of forests	All kinds of use in forests and forest lands not covered by forest, except for timber and minor forest materials, including: animal breeding, beekeeping, farming, processing of wood and wild fruits and berries, medicinal plants, placement of aquaria, collection of wild food resources, medicinal plants, technical raw materials and other; procurement of secondary forest resources (stumps, bark, etc.) (Kazakhstan Forest Law)
Forest by-products	E.g. berries, mushrooms, herbs, decorative plants as well as hunting, bee-keeping and the grazing of cattle. Categories of forest use: wood production, forest production, secondary forest materials and technological raw materials, the use of forest by-products, scientific research, cultural and social purposes, hunting economy, recreation (including tourism) and other forest use not prohibited by law. (Slovenia Forest Law)
Natural forest produce	Refers to wild or semi-cultivated plants or mushrooms which can be used as such or with some processing. This also includes the by-products of trees and soil materials. (Finland's National Forest Programme 2015)
Wild food	Wild food is defined as anything edible that requires no human input to increase its production (ACF, USA, 2008; ACF, 2012; FAO, 2004; FAO, 1999.)
Wild meat (bushmeat)/game meat	All meat from animals hunted or trapped for meat that is available for consumption; meat from game that roams in farms (a farm has an enclosed space) is excluded (UNEP, 2017).

7



NWFP

- Weak component of the society
- Defensive attitude in marketing
- Definition based on negative attributes



WFP

- Modern segment of an affluent society
- Aggressive attitude in marketing
- Definition based on positive attributes

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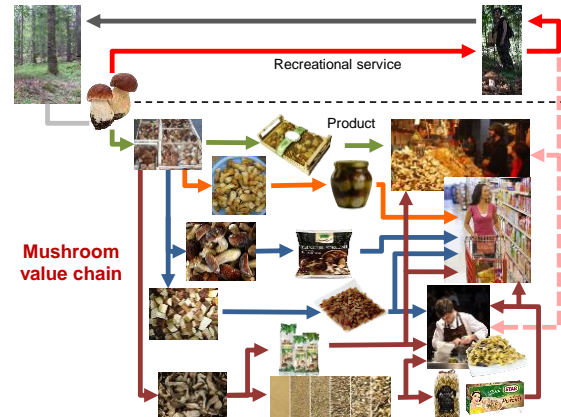
University of Aleppo

8

WFP economic role

- NWFP in Europe: a market segment of the rural economy perceived as marginal and declining:
 - No clear definition
 - No data, also due to the complexity of the value chain

9



10

WFP economic role

- NWFP in Europe: a market segment of the rural economy perceived as marginal and declining:
 - No clear definition
 - No data, also due to the complexity of the value chain
 - No innovation
 - Informal (black) economy

11

Dynamic market conditions Some examples: foraging

<http://www.wood-ing.org/>



12

Sap water



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13

Resins



<https://resinasnavasdeoro.es/>

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14

Many (new) links with tourism: micotourism in Castilla y León

<http://www.turismocastillayleon.com/es/gastronomia-enoturismo/micoturismo>



15

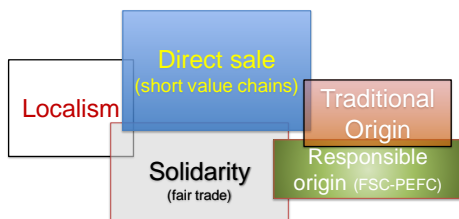
Road, trail, path... the tools for connecting different economic actors



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19

WFP for emerging segments of consumers: LOHAS (Life Style Of Health and Sustainability)



But how many?

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A survey carried out under the StarTree H2020 project

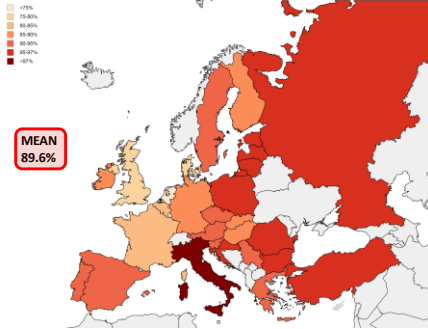
by DP, Giulia Corradini, Riccardo Da Re, Marko Lovrić and Enrico Vidale

- **Objective:** to assess the **consumption** and **collection** of WFPs in Europe
- **Design:**
 - Unit of analysis: household
 - **Scale:** EU28 (no Malta, Luxembourg and Cyprus) with Serbia, Turkey and European part of Russian Federation
 - Panel study (distributed by a polling agency)
- **Sample:** respondents: **17,346** (95% confidence level, $\approx 4.21\%$ confidence interval).

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24

Consumption by country

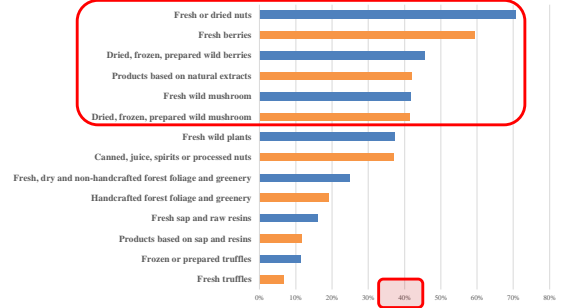


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25

Consumption of WFP

(% of households)



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26

How were WFP obtained?

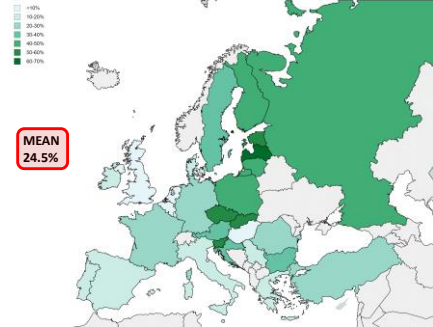
(% of households)



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27

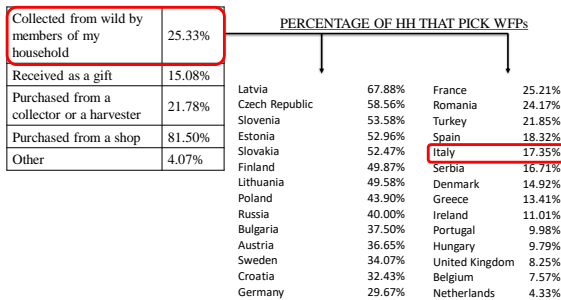
Picking of WFP by country



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28

How were WFP obtained?

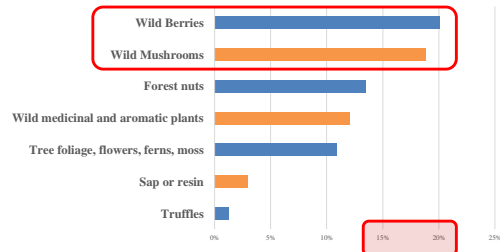


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29

Picking of WFP

(% of households)



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30

Still a lot to do to make the sector vital and stable



31



We are working in this direction



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32