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# Non-wood Forest Products: Definitions, Economic organization and Policies

**Davide Pettenella, Enrico Vidale and Nicola Andrighetto**  
TESAF Dept. – University of Padova - Italy

-  Forest Science and Technology Centre of Catalonia (CTFC) - Coordinator - Spain
-  Università di Padova – Dipartimento Territorio e Sistemi Agro-forestali (UNIPFC) - Italy
-  Instituto Superior de Agronomia (ISA) - Portugal
-  National Research Institute of Rural Engineering, Water and Forests (INRAE) - Tunisia
-  Institut National de Recherche Forestière (INRF) - Algeria
-  cooperativa de Usuários do Frelho do Meio, CRL (UFEM) - Portugal
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-  Slovenian Forestry Institute (SIF) - Slovenia
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1



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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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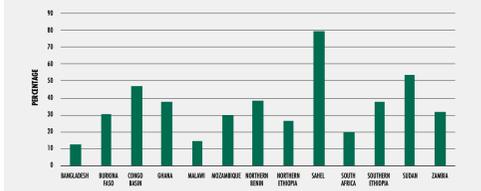
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 **NWFP economic role**

In **SOFO 2018**: no data, only case studies  
 A focus only on the role of NWFP in DC



**PERCENTAGE OF HOUSEHOLD INCOME FROM NON-WOOD FOREST PRODUCTS (NWFPs)**



Region	Percentage
BANGLADESH	~10
BURUNDI	~25
CONGO	~45
GANA	~35
MALawi	~15
MOZAMBIQUE	~25
NORTHERN SENEGAL	~35
NORTHERN ETHIOPIA	~25
SAHEL	~85
SOUTH AFRICA	~15
SOUTHERN ETHIOPIA	~35
SUDAN	~55
ZAMBIA	~30

SOURCE: Adapted from Yeo et al., 2015.

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Similar conditions for the Forest Europe's **State of European Forests** reports

4

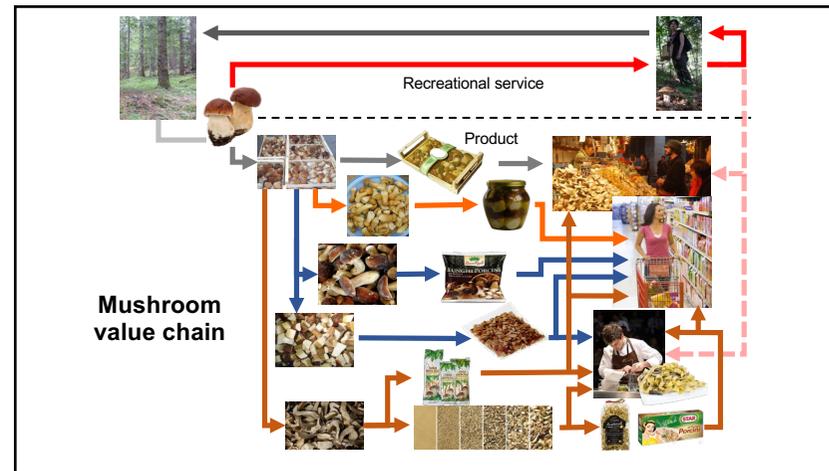
 **NWFP economic role**

**NWFP in Europe:** a market segment of the rural economy, frequently perceived in the recent past as marginal and declining:

- No data, No innovation
- Informal (black) economy
- complexity and diversification of the of the value chain

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5



6



### NWFP economic role

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Probably this is not a correct perception: an "new" set of products (and associated services) are emerging in the European market

7





A non-4 wheels vehicle

**NWFP**

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

Wild Forest Products



**WFP**

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



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**Many (new) links with tourism**

**Micoturismo in Castilla y León**

El turismo micológico es una actividad social en crecimiento, esta modalidad de turismo está contribuyendo a la puesta en valor de los bosques...

**El medio natural**  
España con 27,6 millones de hectáreas forestales es el segundo país de la Unión Europea con mayor superficie forestal. Además, es el tercer...

**Los medios**  
En la actualidad el programa en vigencia de desarrollo y regulación del recurso micológico en Castilla y León es el programa de cooperación...

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

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11

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

**IL TEMPO DELLE CASTAGNE**

**Strada della castagna**

Strada della castagna, in valle, in società o a piedi partendo da Ormaiztegui, in Valle Tanico, verso Camporosso, valle del Corno, valle del Tiro, valle del Corno, valle del Corno, valle del Corno...

**Strada del tartufo**

La strada del tartufo è una delle strade più antiche della provincia di Asti, attraversa la valle del Tanico, valle del Corno, valle del Corno...

**Strada del fungo**

La strada del fungo è una delle strade più antiche della provincia di Asti, attraversa la valle del Tanico, valle del Corno, valle del Corno...

**Strada del porcino**

La strada del porcino è una delle strade più antiche della provincia di Asti, attraversa la valle del Tanico, valle del Corno, valle del Corno...

**Strada del marrone**

La strada del marrone è una delle strade più antiche della provincia di Asti, attraversa la valle del Tanico, valle del Corno, valle del Corno...

Google search		hits
Strada della castagna	Chestnut road	35,200
Strada del tartufo	Truffle road	361,000
Strada del fungo	Mushroom road	265,000
Strada del porcino	Porcino road	58,900
Strada del marrone	Marron road	78,400

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12



**Associazione Nazionale Città del Castagno**  
Sede legale e amm.: Castelnovo di Garfagnana (LU)

**L'Associazione Città del Castagno: 110 members**

In the Italian farming sector, chestnut is in the 5<sup>th</sup> position in terms of no. of local associations

Source: Corriere della Sera (2015)

524 Città del Castagno	358 dell'Orto	225 della Nocciola	194 del Bio	158 del Castagno
114 dei Sapori	68 della Ciliegia	62 del Tartufo	59 del Miele	42 del Pane



13



**New products**

**«Forest eggs»**



<http://www.uovodiselva.it>



14

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## Rediscovered products

### Pine resin




<https://resinasnavasdeoro.es/>

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## New selling systems

Direct sales: **“Pick-up your chestnuts”**: selling directly to the consumers the right to collect chestnut for a fixed rate or in relation to the weight of collected fruits

**“Adopt your own chestnut tree”**: chestnuts picking and organised picnics under the chestnut tree

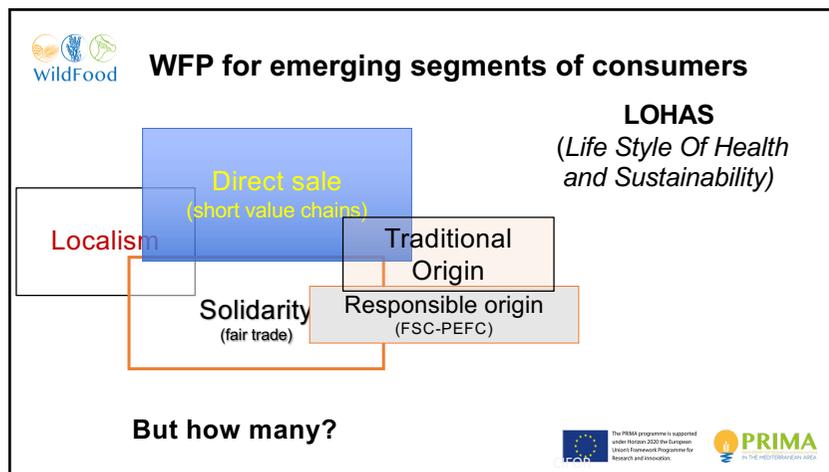
**e-business:**

- B2B: fresh chestnuts, semi-finished products, ...
- B2C: jams, dried nuts,...

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17

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### A survey carried out under the StarTree H2020 project

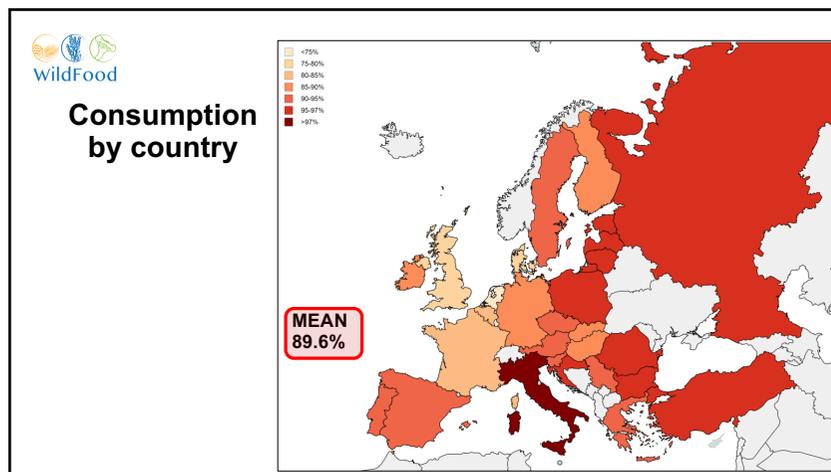
by Marko Lovrić, Davide Pettenella, Enrico Vidale and other)

- **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).

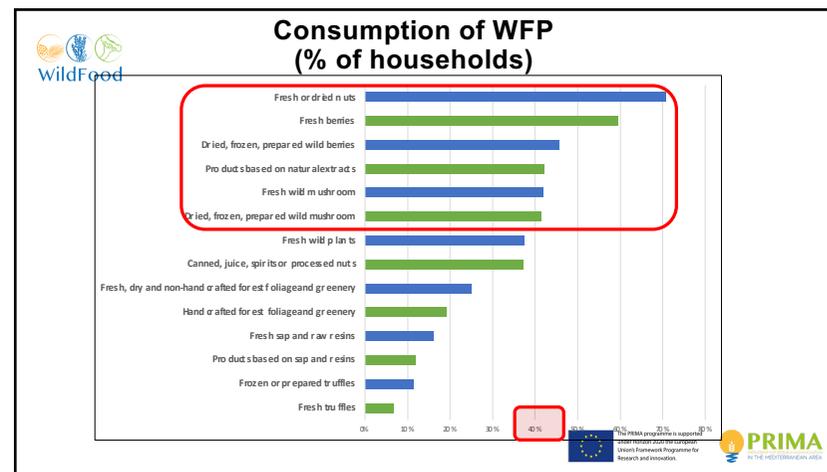
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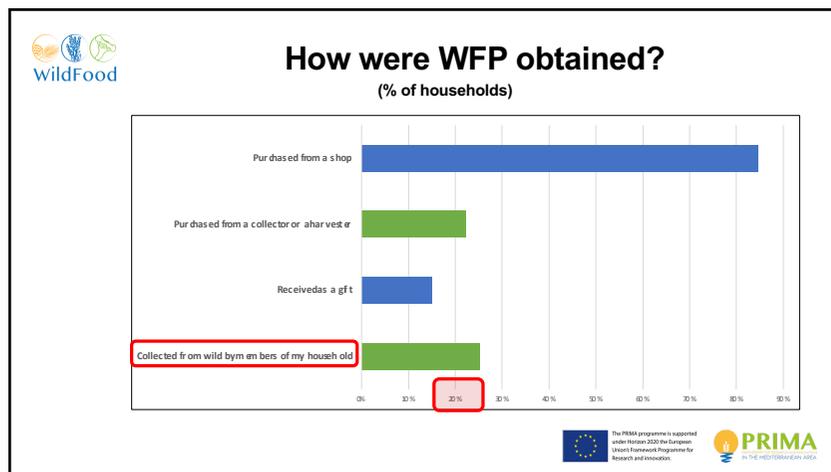
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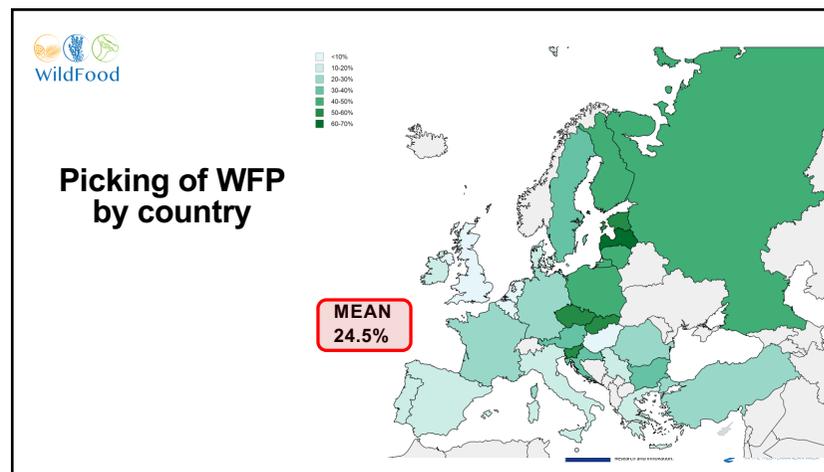
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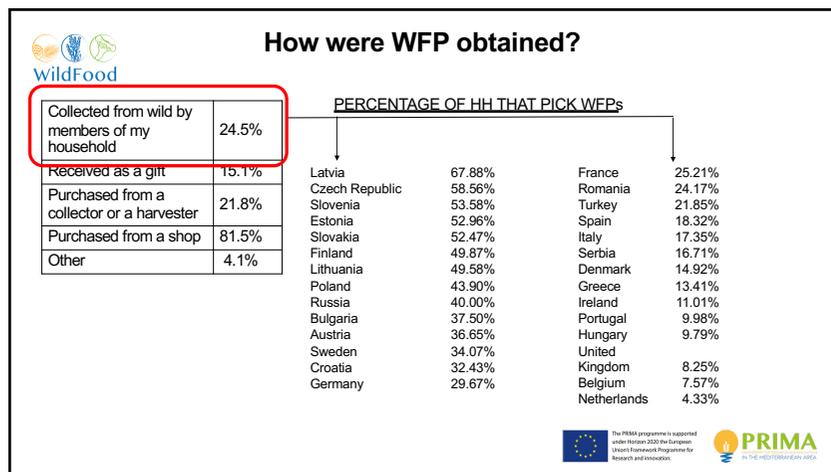
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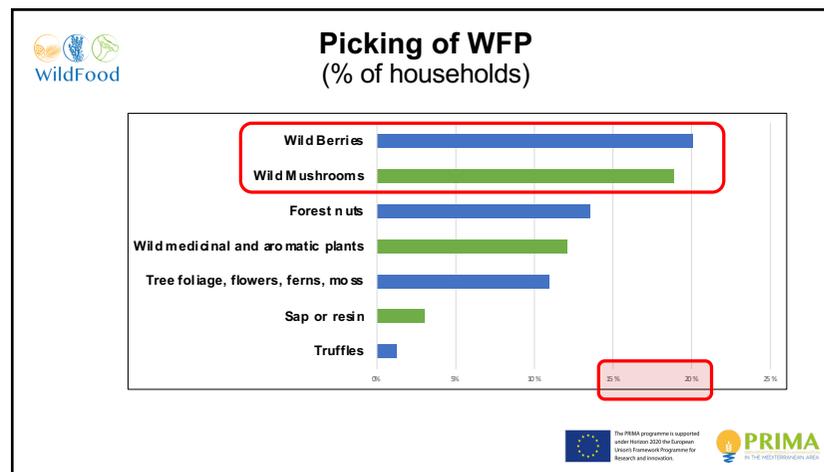
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22



23



24

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



Monitoring and assessment

R&S, dissemination and communication

Creation of a fair, transparent and traceable market

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