



## European household survey on consumption and collection of NWFPs

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Multipurpose trees and non-wood forest products, a challenge and opportunity

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This project has received funding from the European Union's Seventh Programme for research, technological development and demonstration under grant agreement No 311919



## INTRODUCTION

- **Purpose:**  
Assess the consumption and collection of NWFPs in Europe
- **Questionnaire design origin:**  
The questionnaire originated from StarTree's supply chain survey (T3.1.2 & WP3)
- **Design:**  
Panel study (distributed by a polling agency), household as unit of analysis at EU28 scale (no Malta, Luxembourg and Cyprus) with Serbia, Turkey and European part of Russian Federation
- **Targeted parameters:**  
95% confidence level, 5% confidence interval on national level



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## GENERAL INFORMATION

- **Sample:**  
Respondents: 17 346 (95% confidence level,  $\approx 4.21\%$  confidence interval)  
Additional 2 482 respondents compared to the last time (cheater replace)
- **Questions:**
  - Socio-economic (urban/rural, income, size of household)
  - Consumption (14 products & how were they obtained)
  - Collection (8 groups, 45 products – consumption vs. sale, quantity, location & use)
  - Other (forest ownership, frequency of picking, problems with and income from picking)
- **Post-stratification**  
By number of households per country and by size of households within country

**UNIT OF ANALYSIS IS HOUSEHOLD!**

**AND NOW RESULTS.....**



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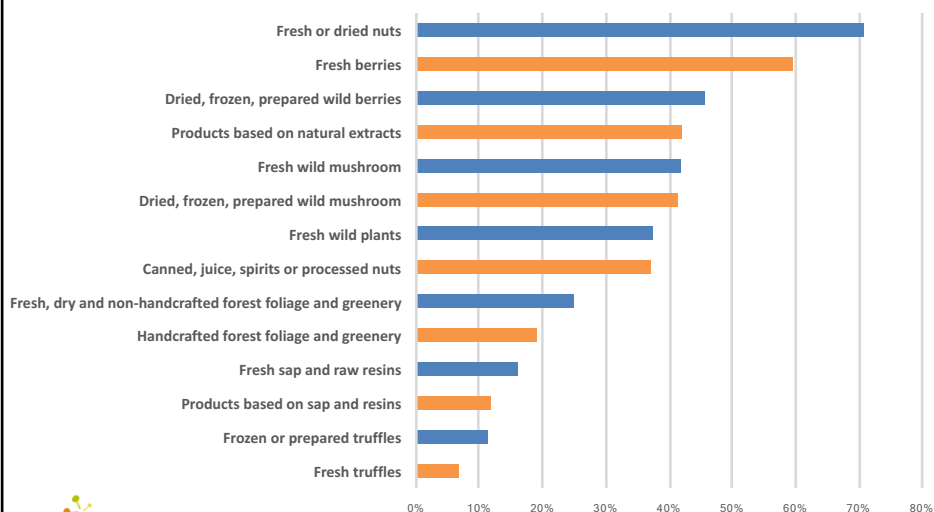
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## CONSUMPTION OF NWFPS IN 2015

(% of households)



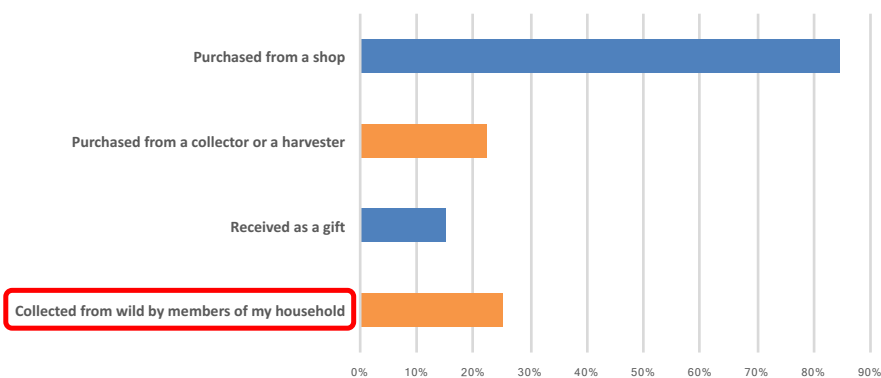
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## HOW WERE NWFPs OBTAINED? (% of households)



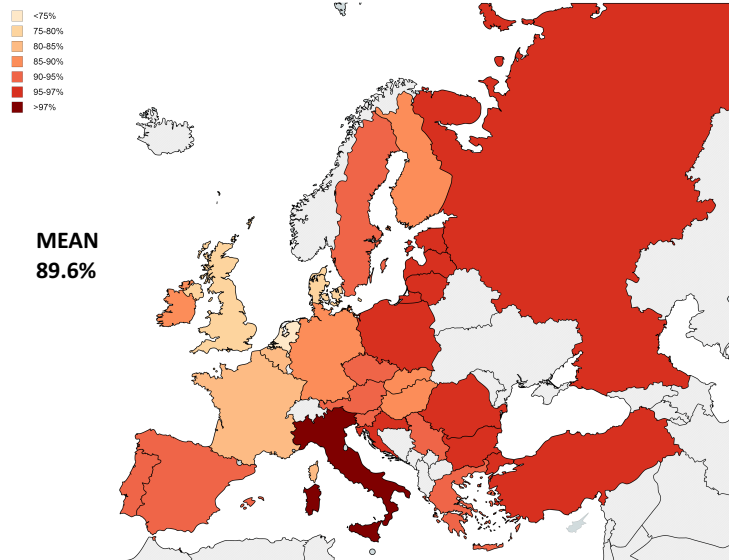
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## CONSUMPTION BY COUNTRY

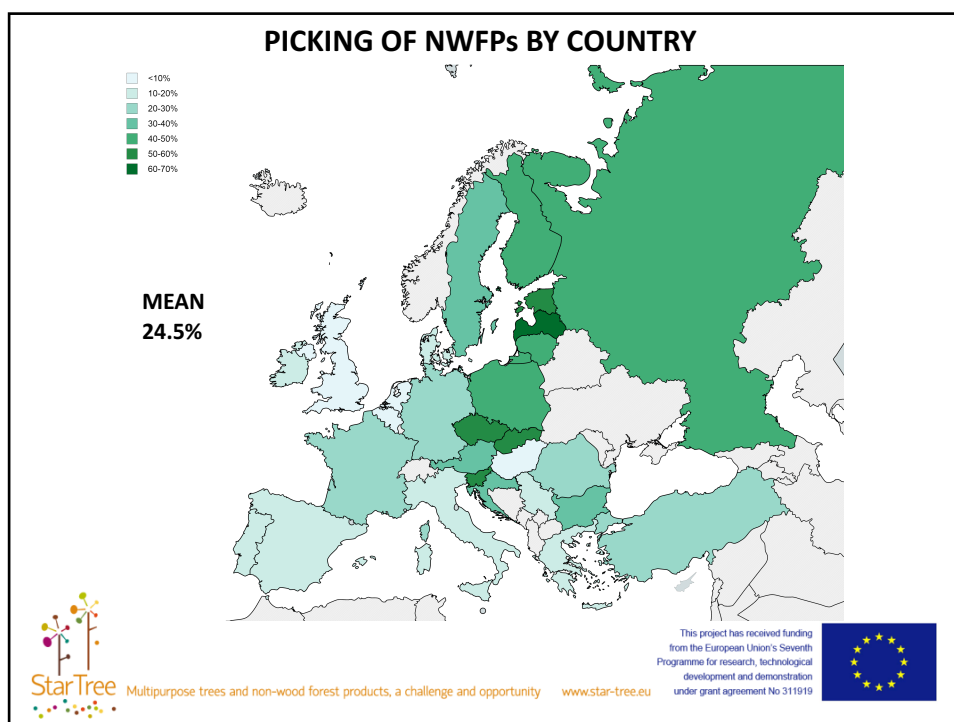
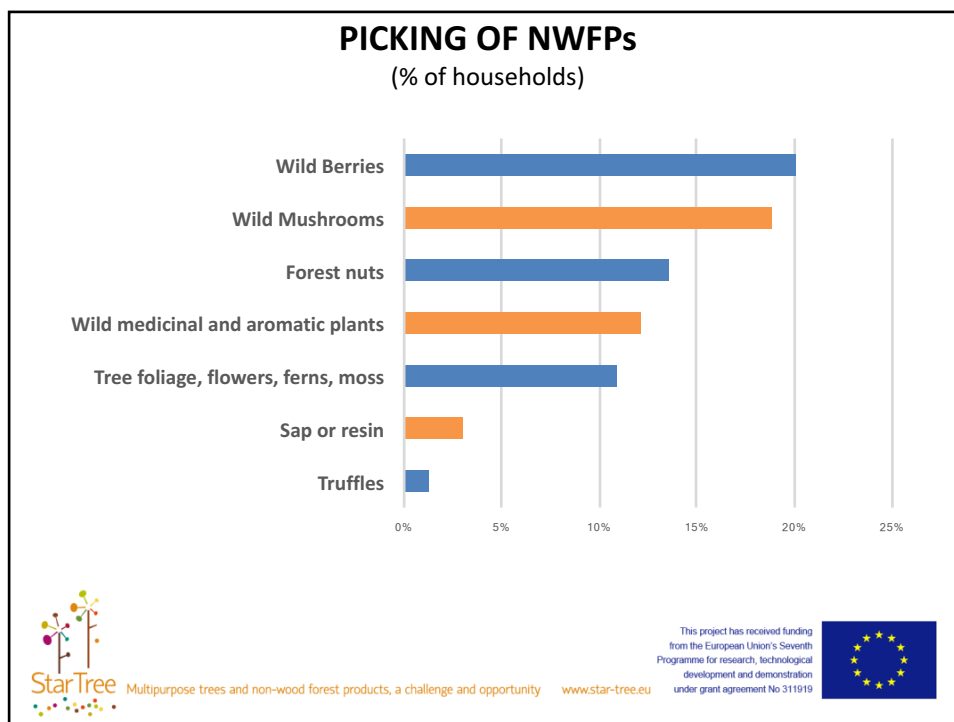


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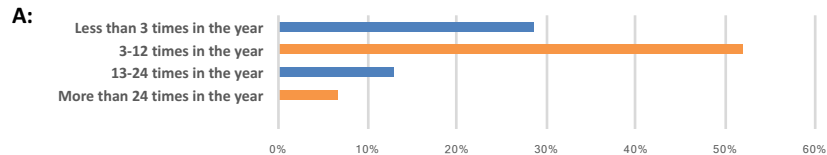


## OTHER INFORMATION

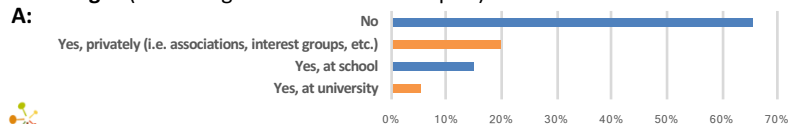
- **Q: How many members of your household collected any of these items in 2015?**

**A:** 1.99 (mean value)

- **Q: How many times did members of your household collect items you have indicated above in 2015? (Percentage of households that pick)**



- **Q: Has anyone in your household attended any courses on the recognition of plants and fungi? (Percentage of households that pick)**



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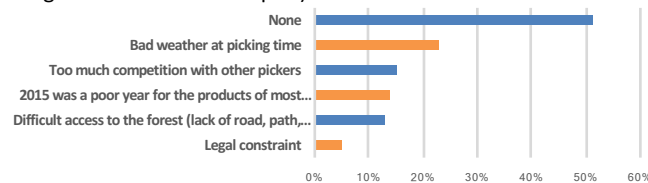
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## OTHER INFORMATION

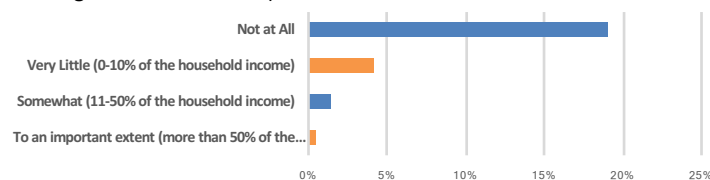
- **Q: What were the main constraints you had on picking these products in 2015?**

**A:** (Percentage of households that pick)



- **Q: Did picking any of these products contribute to household net income in 2015 (monetary contribution)?**

**A:** (Percentage of all households)



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### OTHER INFORMATION

- Q: Is there difference in the collection of WFPs with respect to living in urban/rural environment?

A: YES

	Living environment	
	rural	urban
% pickers	34.94%	21.79%
sign. Chi-squared	0	
odds ratio (rural)	1.60	

- Q: Does any member of your household own a forest?

A: YES - 13.38% (Percentage of households that pick)

- Q: Does household income affect consumption of WFPs?

(Spearman's correlation between income and number of consumed products)

A: SOMEWHAT (0.1299\*)

- Q: Does household income affect collection of WFPs?

(Spearman's correlation between income and number of collected products)

A: NO (-0.0149)



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### OTHER INFORMATION

- Q: How much are WFPs sold/consumed?

	Tree foliage, flowers, ferns, moss	Forest nuts	Wild Mushrooms	Truffles	Wild Berries	Wild medicinal and aromatic plants	Sap or resin
All consumed	75.7%	77.1%	85.2%	48.8%	89.0%	89.4%	74.3%
90% consumed	9.5%	5.3%	4.9%	18.3%	4.1%	3.8%	3.9%
75% consumed	6.0%	6.0%	4.3%	9.8%	2.6%	2.3%	10.1%
50% consumed	5.4%	5.8%	3.0%	9.6%	2.2%	2.0%	5.3%
25% consumed	1.6%	2.5%	1.4%	6.9%	0.9%	1.1%	1.8%
10% consumed	1.1%	1.7%	0.9%	7.7%	0.8%	0.9%	3.3%
All sold	0.8%	1.6%	0.4%	5.4%	0.4%	0.6%	1.5%

**MORE SOLD THAN OTHERS**

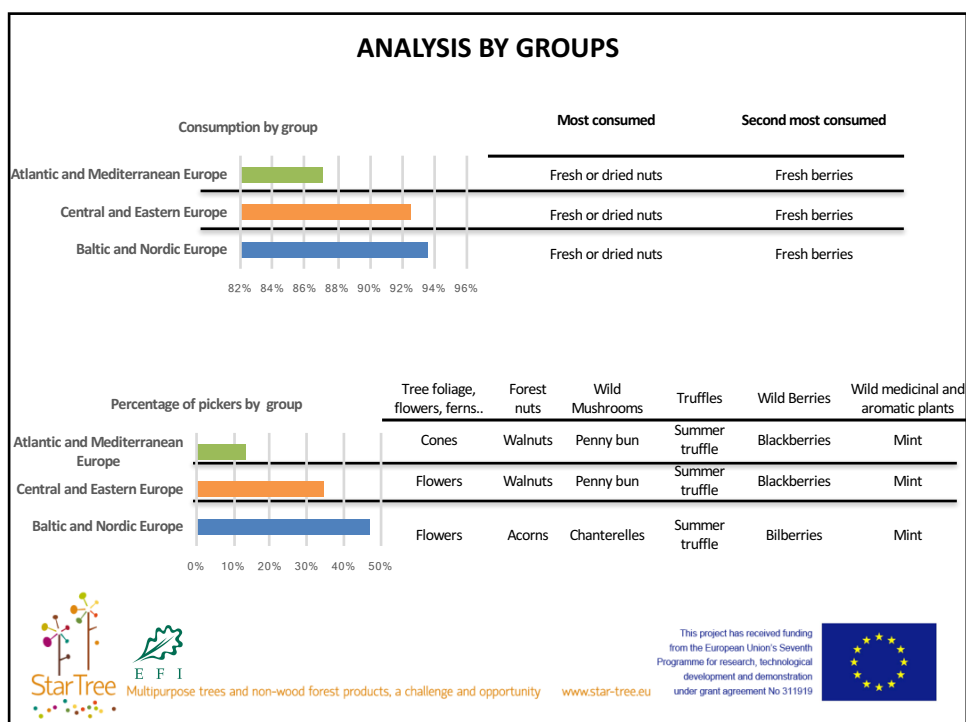
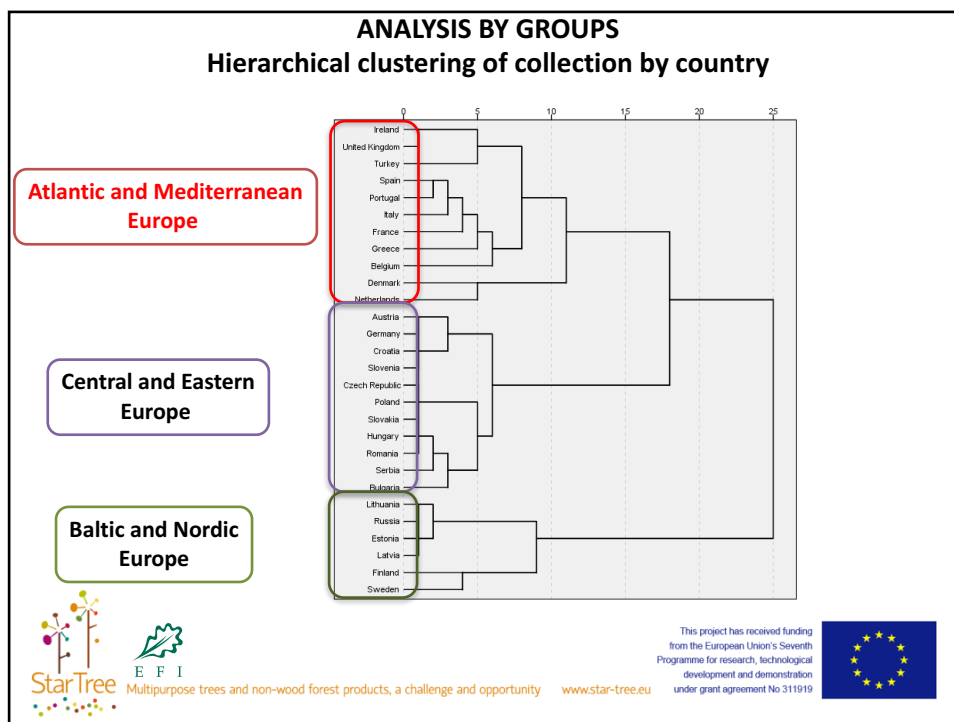


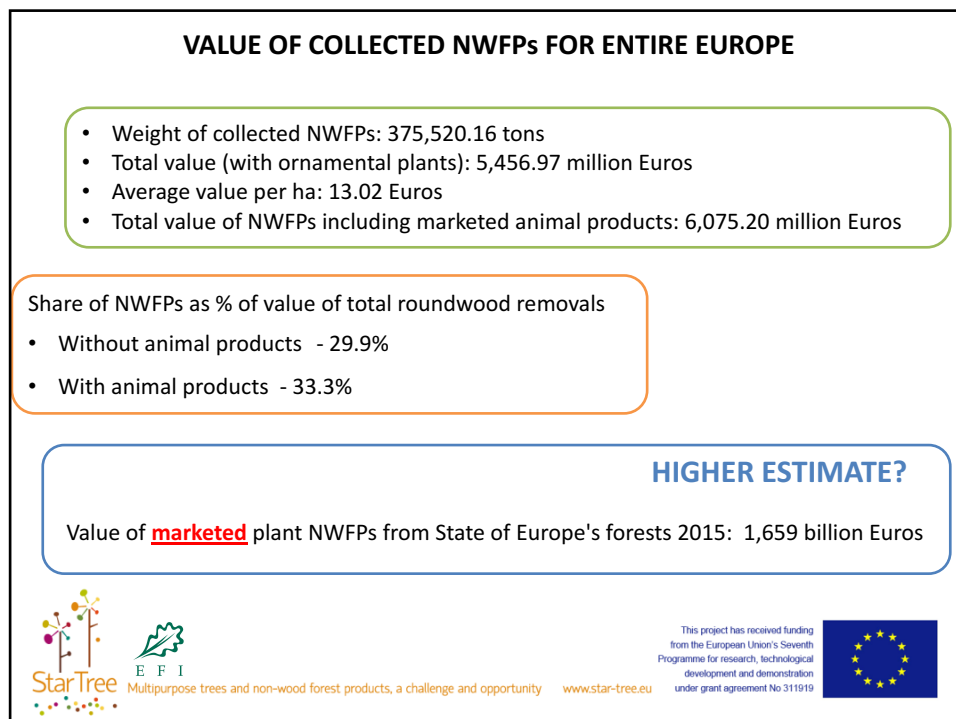
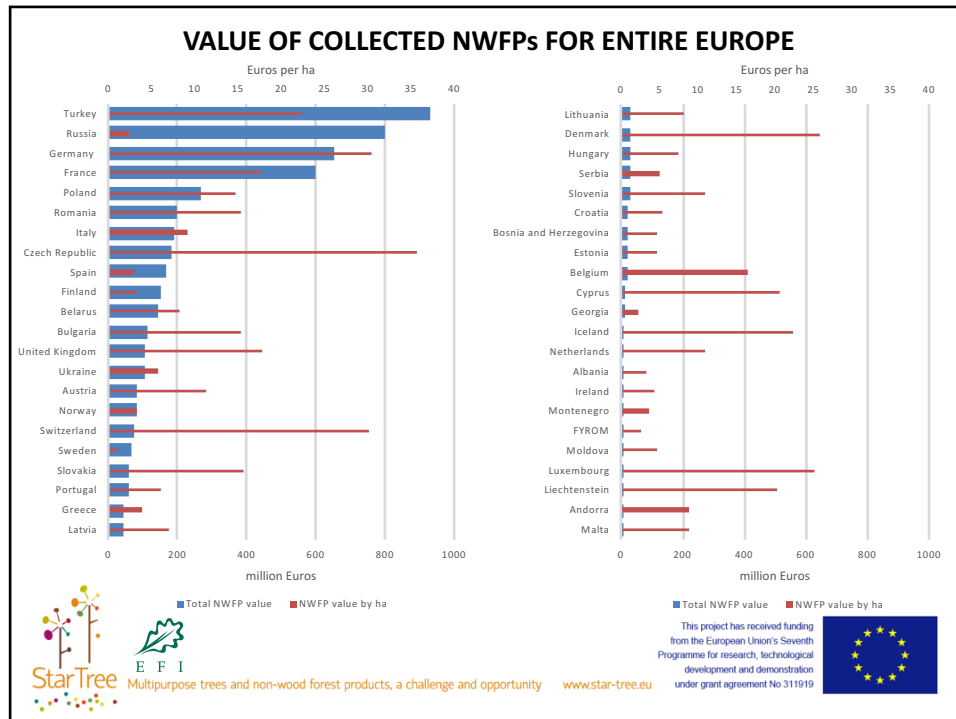
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## CONCLUSIONS

- Consumption of WFP:
  - Very high rates – but are they really wild? (Product origin)
- Collection of WFP:
  - a mass social activity: 20.0% of population!
  - increases from West to East, from urban to rural
  - vast majority picks in forest that does not belong to them (importance of harvesting rights)
- Economic importance of NWFPs
  - for 0.5% of the EU households – more than 50% of income!
  - represent about 30% of roundwood value



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# THANK YOU

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