



Coordinator



Partners































This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement Nº 774632.





Sustainable Sourcing of Nontimber Forest Products: Why? What will it take?

Policy forum "Untapping the potential of non-wood forest products for Europe's green economy



James Chamberlain, Ph.D.
USDA Forest Service
16 March 2021







Sustainable Sourcing & Society



Diverse & Dispersed Stakeholders

Personal Consumption

Traditional & Local Knowledge

Rural Household Livelihood Security

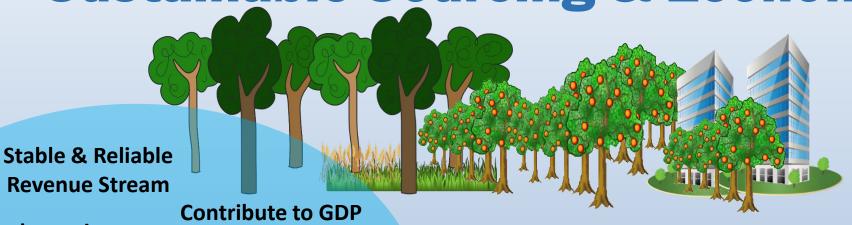
Organic vs. Corporate

Cultural Identity & Preservation





Sustainable Sourcing & Economy



Under-served constituents

Equitable Benefit SharingRisk Mitigation

Meeting Consumer Demand

Diversification & Differentiation Opportunities

Expanded market segments

- € 3.5 billion market value across Europe
- € 20.5 per hectare forest land
- NWFP value = 71% annual roundwood
- € 8.7 billion Global Trade
 - Europe € 4.3 billion in imports





Sustainable Sourcing & Environment







Complex Interactions

Diverse & Dispersed

Stakeholders

Personal Consumption

Traditional & Local

Knowledge

Rural

Household

Livelihood

Security

Organic vs. Corporate

Stable & Reliable **Revenue Stream**

Cultural Identity & PreservationNational Legacy

Under-served

constituents

Equitable Benefit Sharing

Contribute to GDP

Meeting Consumer

Demand

Diversification & Differentiation

Opportunities

Risk Mitigation

Expanded market segments

Stable & Resilient

Ecosystems

Biodiversity

Conservation

Erosion Control

Watershed Protection

Multiple Integrated Land Use

Sustainable Forest Management





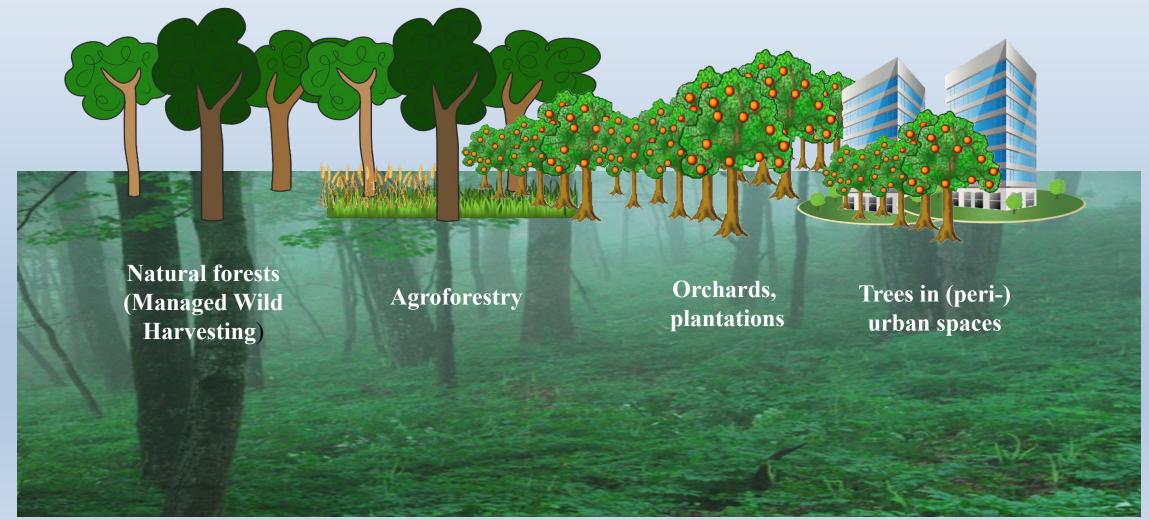
Forest Biodiversity

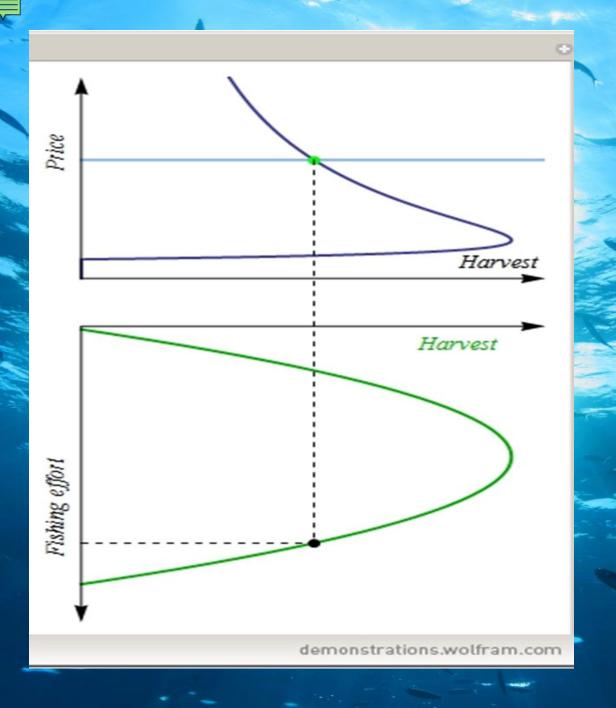






Production Systems



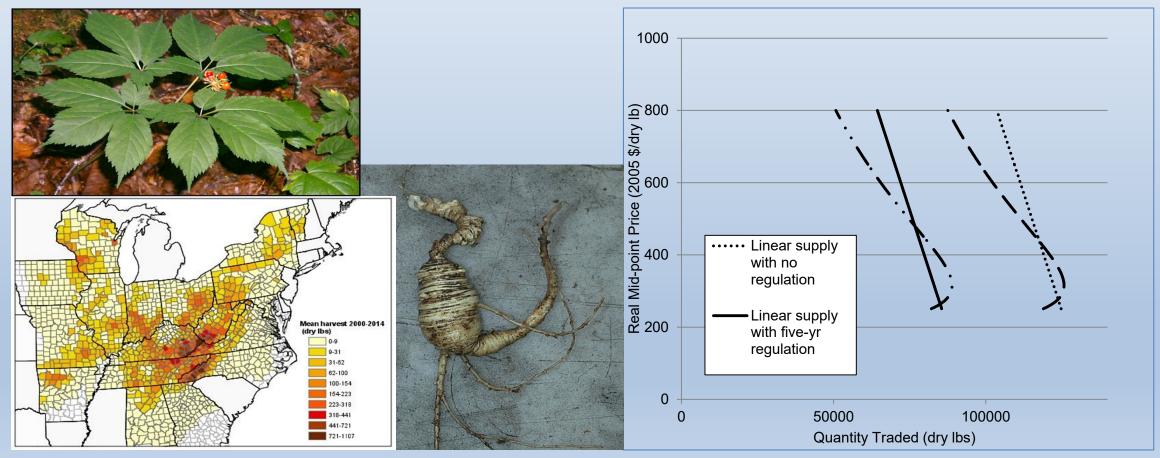


- Open Access Resources
 - Fixed production base
 - Lack of ownership [tenure]
 - Inability to reproduce fast enough
- Backward bending supply curve
 - Biological limitations on reproduction
 - Inability to restrict access
 Gordon 1954 open access fisheries



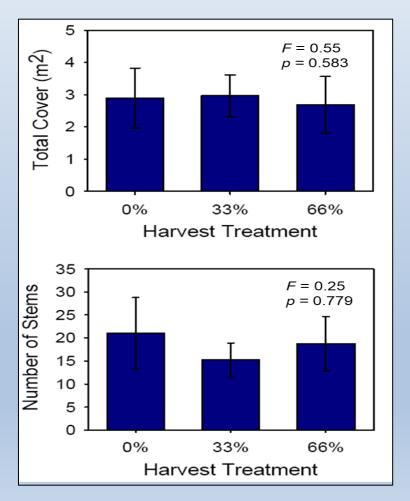


Wild-Harvested American ginseng

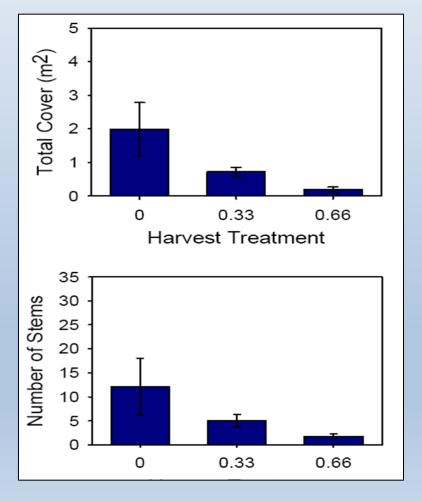




Experimental Harvest Black Cohosh



















Monitoring







What's it going to take?





Timber Cork



Policy Forum: Untapping the potential of non-wood forest products for Europe's green economy 16-17 March. Online event



James.I.Chamberlain@usda.gov



Thank you!

