Workshop "Market-based instruments and Payments for Environmental Services in forestry: a real solution?" Barcelona, 17 December 2009

PAYMENTS FOR MUSHROOMS PICKING AND THEIR EFFECTS ON REGIONAL DEVELOPMENT: a comparative analysis



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Outline

- 1. Introduction: research questions
- 2. A field survey: a comparative analysis
 - of 2 case studies
 - Borgotaro Consortium
 - Dalla Valle Oy
- 3. Networks of NTFPs producers as a tool to support PES systems
- 4. Conclusions

This PP can be downloaded from the web site: www.tesaf.unipd.it/pettenella

1. Introduction

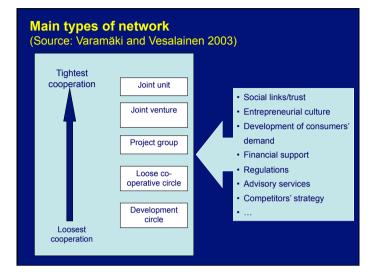
Research questions:

- In a market where wood supply is becoming less profitable, can payments for NWFPs be an instrument for the local residents' income generation?
- Which is the preferable market organisation in relation to:
 - network among local economic agents?
 - property rights regulations?

Definition of network (Human and Provan, 1997 mod.)

- "An intentionally formed group of small- and medium-sized firms in which the firms:
- 1. are geographically proximate,
- 2. share some inputs and outputs, and
- 3. undertake **direct interactions** with each other for specific business outcomes. The interactions may include joint production, new product development, collective marketing and employee training".

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Networks development paths Common strategy intensity Internal formal rules Joint Unit Formalisation ŧ. Formalized Project Group 6 Formalized Co-operative Circle JointVenture 4 **†** 2 3 Co-operative Project Group Circle 1 1 Development Circle Strategic intensity

2. A field survey: a comparative analysis of 2 case studies

- The same product: Boletus mushrooms
- Quite similar socioeconomic context (rural environment, forest as predominating land use, nature-based tourism)

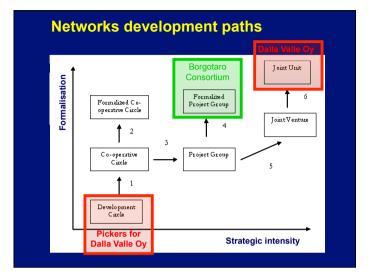


- 2 organizational models:
 - Dalla Valle Oy in Finland (North Karelia FIN)
 - Borgovalditaro Consortium (Emilia-Tuscany Regions I)



	DallaValle Oy (Finland)	Borgotaro Consortium (Italy)		
Year of creation	1995 (1997: production starts)	1995		
Network model	Joint Unit with a Development circle of pickers	Formalized project group		
	CONSTRUCTION CONSTRUCTION	<image/> <image/>		
	w.dallavalle.fi	www.fungodiborgotaro.com		

Year of creation 1995 1995 Network model Joint Unit with a Development circle of pickers Formalized project group
Innovation System of m. gathering; logistic (30 collection centres), freezing technology, grading system





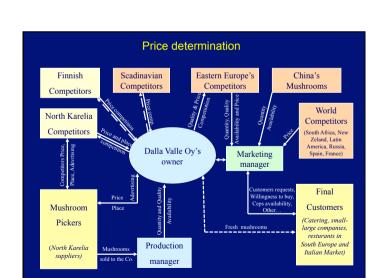
Fresh mushrooms class information for gatherers

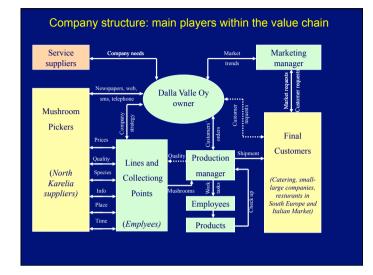
M. has to be whole, solid and without worms. Pores has to be white.

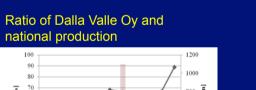
M. has to be whole, solid and wormless. Pores has to be complete and yellowish or yellow.



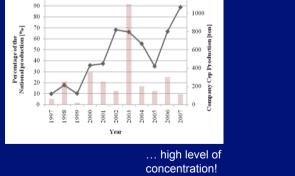
M, has to be sliced in half. Pores has to be green. If pores are thick, half of them has to be taken off from their edges. In a rainy day, only the stem of the m. is included in class III.







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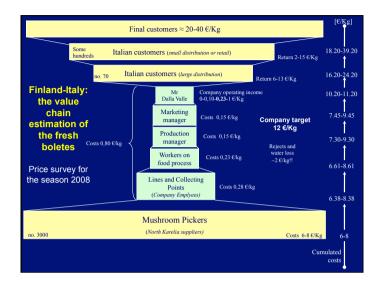
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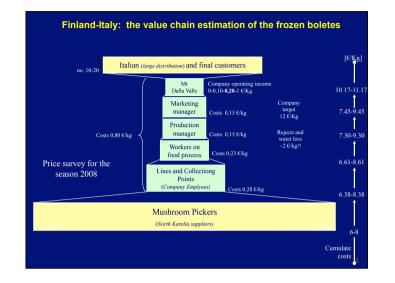


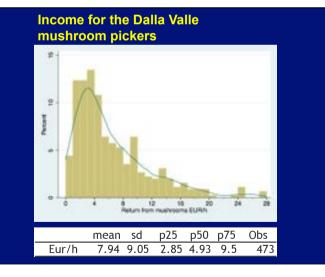
		1000	
FUNCTION			» TESSERINO VERDE
A DECEMBER	Concession in the local division of the loca		Comunalie di Gotra, Buzzò, Albareto, Boschetto, Groppo, Tombeto e Montegroppo in Comune di Albareto.
		ala sita m	Verranno rilasciati tesserini di colore verde con le seguenti caratteristiche:
Chaiñ e cosa faill Canvortio	21 73 2	EL A	* giornaliero (valido per il giorno indicato nel tesserino) :
Daily per	nit: 15 Eu	ro 📕	costo: Euro 15.00 per i non residenti in Comune di Albareto: Euro 6.00 per i residenti nel Comune di
(for 3 kg r			Albareto nonché per i proprietari, ed affittuari con contratto almeno annuale, di seconde case nelle frazioni delle Comunalie ;
Plant		Clima is gas	* semestrale (valido comunque non oltre il 15.11.2003):
d produtte Descriptore	(April aggi		costo: Euro 150,00 per i non residenti nei Comuni di Albareto Euro 67,00 per i residenti nel Comune di
Galleria fotografica	Abarets (J.S.P.)	Hall Agent	Albereto nonché per i proprietari, ed affittuari con contratto almeno annuale, di seconde case nelle frazioni delle Comunalie
tiarme per la raccelta		Gitta	Modalità di accesso: i tesserini saranno vidimati , nel punto di vendita, con il timbro della Comunalia di
	Albureto (I.G.P.)	Consorible	accesso, da personale incaricato dal Consiglio di Amministrazione.
B territorita Carlina Come arrivare nella	141	Carrierale Factore a	Tale tesserino darà diritto all'accesso ad un'unica Comunalia, pur consentendo di percorrere a piedi e di esercitare la raccolta nel territorio di tutte le Comunalie facenti parte dell'area B).
cona Caratteristone della celvicellure		Norte	
	Bedonia	Catalbor Catalbor Catalbor Catalbor	in Comune di Borgotaro e Gotra, Buzzò e Albareto in Comune di Albareto è consentito agli utenti lo
Attività di ricerca		Conturnale	
Circuito gastronenias Frecentacione circuito	Bedonia	Longia C	
Elenso dei roturasti Vuoi aderire al ornulto? Il discolinare	Badocus a Tamala	Foresta De Perina e l	seguito specificato:
Le ricette		Sathanipo Velli Tar	Comunalie di Gotra e Buzzò n.100 Comunalia di Albareto n.700
Vuoi spedre una ricetta?	beri	1000	Comunalie di Boschetto e Tombeto n.120 Comunalia di Groppo n.100
Deve past comprare # fange di Bangefare	Borgo Val di Tare (3-9-7.)	Comunate Pointsite (2 Plant	
Elance commercianti	Responsal di Tare (2-6-9-3	Corner	Giorni e orario di raccolta : martedi, sabato e domenica; la raccolta può essere effettuata a partire da un'ora prima della levata del sole, mentre l'uscita dall'area B) deve avvenire entro e non oltre le ore 15.
Land Constantion		Crone-di-1	

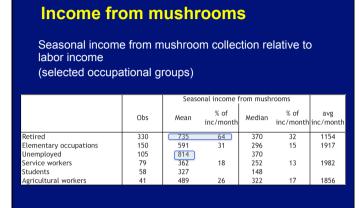
	DallaValle Oy (Finland)	Borgotaro Consortium (Italy)
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Forest production area	Very large: North Karelia (Russia)	22,000 ha of community forests (with the mark); total area involved: 60,000 ha
Value chain	Vertical integration, short chain	Horizontal integration



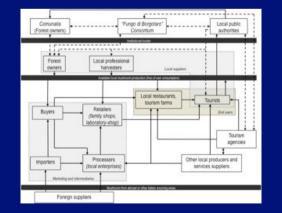
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Value chain	Vertical integration, short chain	Horizontal integration, net-system
Forest production area	Very large: North Karelia (Russia)	22,000 ha of community forests (with the mark); total area involved: 60,000 ha
Production volumes	From min 20 (in 1999) to max 1,100 (in 2003) tons per year. As an average, in 1997-2007: about 280 tons/year.	330-440 tons/year (with an average production of 15-20 kg/ha/year and an area of 22,000 ha)
Infrastructures	30 collecting centres, 2 refrigerator centres (plus an external one)	6 local enterprises for mushrooms processing and trading, 1 shop- laboratory-restaurant
Employees	Max 21,000 pickers; 25-150 seasonal employees (July-Oct) in the refrigerator centres	28 full-time workers in 2 large industrial firms, 4 full-time workers in the shop-laboratory-restaurant, 10 seasonal workers



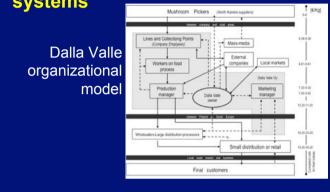


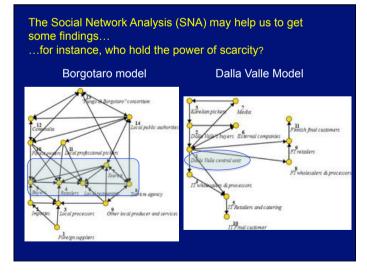


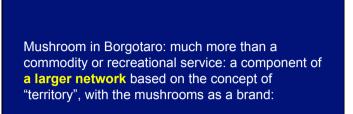




3. Networks of NTFPs producers as a tool for supporting PES systems







a consistent portfolio of products and services

coordinated marketing efforts for their promotion



4. Conclusions

- Property rights regulations are important for income generation for forest owners, but much more important is the presence of entrepreneurial innovation
- Income generation: the well organized, specialized company is creating more *direct* AV and employment opportunities
- ... but:
- this activity is more exposed to risk and instability (seasonality, at least)
- the *indirect* effects of a network system are much more relevant

Networks are also **dynamic**: network growth can bring problems, conflicts and new risks, also because outcomes can have an **asymmetric distribution** among firms composing the network (Gulati, 1998)

Two components of the most advanced form of networks:

- A (contractual) coordination of economic agents for the supply of products and services to increase profit and/or stability (a market share)

- A mutual trust:

- ← input = social capital
- → output = not only market products are supplied but also "relational goods"

