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Product planning and management for NTFP marketing

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Outline

The market context

The objective: why we need to improve marketing techniques? An instrument: business plan 1. Pricing methods 2. Product development 3. Promotion 4. Place: logistic Marketing strategies: mass/specialised/complementary

Final remarks: from total marketing to social marketing

Market context

= NWFPs in Mediterranean area have positive trends in supply and demand and an increasing economic importance in rural development

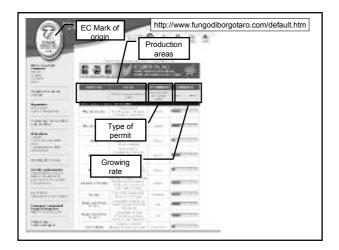
"International trade increased significantly for natural cork, mosses and lichens for bouquets, truffles, mushrooms, chestnuts, bamboo, palm hearts and maple syrup. Interestingly, these NWFPs originate mainly from, and are traded among developed countries. Also, these commodities are processed locally into semi-finished products with raising unit prices. Of particular interest is the fast increasing value of trade in "specialty" food products (...) Specialty foods are among the fastest growing segment in the food catering business and several edible NWFP are ideally fit for niche marketing, such as pine nuts, bamboo shoots or wild edible mushrooms. The reduction (and/or elimination) of import tariffs, increasingly globally applicable (food) quality standards and changing consumer (food) preferences are creating global markets for products which previously were only locally available" (Vantomme, FAO, 2005)

		Commodity description	1992	2002
		Mosses and lichens for bouquets, ornamental purposes	9 352	25 476
		Truffles, fresh or chilled	4 201	23 656
		Mushrooms other than Agaricus, fresh or chilled	n.a.	364 412
• • • • •	X	Mushrooms (excl. 071331/33) & truffles, dried	n.a.	219 458
Mediterranean	_ /	Truffles, prepared or preserved, not in vinegar	3 049	11 012
NWFPs		Brazil nuts, fresh or dried	44 344	59 848
		Chestnuts, fresh or dried	109 958	184 663
\uparrow		Acorns and horse-chestnuts for animal feed	1 216	7 380°
	,	Shea nuts (karite nuts)	5 1 5 5	5 136°
		Liquorice roots	33 455	24 310
13,000 endemic plant		Ginseng roots	389 345	221 435
species, 250 arborescent		Plants & parts, pharmacy, perfume, insecticide use nes	689 926	777 980
species (150 endemic)	r	Locust beans, locust seeds	22 395	40 239
	J	Lac	25 286	25 653
		Gum Arabic	101 312	105 510
		Natural gum, resin, gum-resin, balsam, not gum arabic	92 755	96 535
		Balata, gutta-percha, guayule, chicle and similar gums	26 726	13 605
Clabal import values		Pyrethrum, roots containing rotenone, extracts	27 865	26 173*
Global import values	5	Bamboos used primarily for plaiting	37 562	50 054
of key NWFPs for 1992 and 2002 (in		Rattan used primarily for plaiting	118 987	51 327
		Kapok	11 920	2 826°
		Maple sugar and maple syrup	43 632	116 202
USD 1000)		Palm hearts, otherwise prepared or preserved	16 082	67 514
000 1000)		Quebracho tanning extract	51 938	45 173
		Wattle tanning extract	63 877	34 168
Source: Comtrade data	B	Oak or chestnut extract	8 653	917°
(www.unsd.org/comtrade)		Natural cork, raw or simply prepared	7 874	110 702
		Abaca fibre, raw (Musa textilis)	15 221	20 374

Average values of benefits from Mediterranean forest areas (Euro/ha/year)

	Woo	NWFP	Grazin	Recreatio	Huntin	Tota	TEV
- Southern	12	4	32 32	n.a.	<u> </u>	46	67
– Eastern	22	5	10	1	1	40	48
- Northern	67	16	10	32	3	125	176
Total Mediter.	47	12	13	21	2	95	133
%	[49.5	ff12.6	J 3.7	<u></u> 22.1	2.1	100	-
%	35.3	9.0	9.8	15.8	1.5	71.4	100
Merlo and Croitoru, 2005, p.62					p.62		

A **revealing indicator**: the rising concern of forest owners in protecting their property rights Nuts, mushrooms and truffles in many Mediterranean countries are not any more public goods, like 15-20 years ago





Why do we need to improve marketing techniques?

The objective:

increasing **market power** (=profit) of forest managers and harvesting enterprises:

- fair distribution of profits,
- active management of forests,

 stewardship of the resources: positive externalities on environmental and social conditions

Agents in the NWFPs chain: an example Stone mushroom (<i>Boletus edulis</i>) prices paid to					
٠	the forest owner in Bosnia	No payment	Very		
٠	the NWFP collector	0.2-0.5 Euro/kg	101		
٠	the merchant	4-6 Euro/kg			
٠	the retailers in Italy	15 Euro/kg	High		
	67		t power pargins		

The forest managers needs a marketing approach

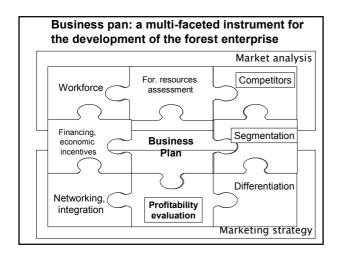
It helps to identify and systematically act on:

- Changing customer behavior and expectations
- · Competing products and substitutes
- Rapidly emerging production technologies
- Cyclical nature of the markets
- Foreign and domestic competitiveness
- · Legislative and political factors
- ...

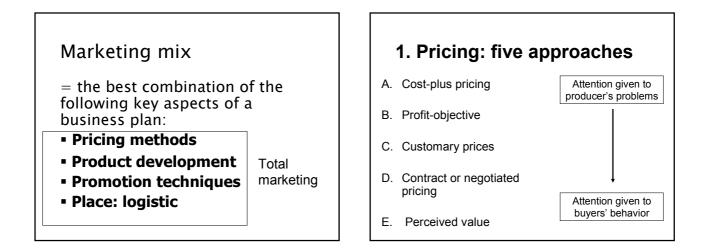
Instruments?

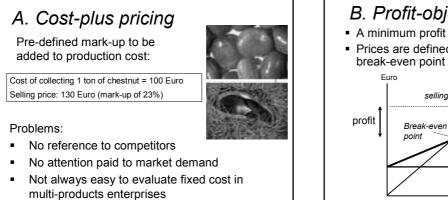
Business plan

An instrument to define all the operational factors connected to the practical implementation of an entrepreneurial idea/project



Segmentation	Differentiation	
Analysis of different potential clients, of competitors and selection of the target market	Analysis of the range of different products → product development = all the needed actions to satisfy the target market	





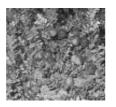
B. Profit-objective A minimum profit is pre-defined Prices are defined adding the profit to the break-even point

Fixed costs

Production

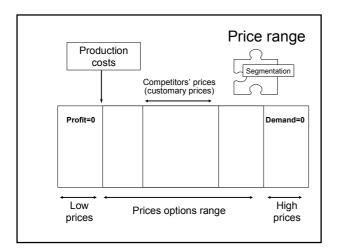
Problems:

- No reference to competitors
- No attention paid to market demand
- Is profit in the long run covering fixed costs?



C. Customary prices

- When product differentiation is low,
- When there are many competitors,
- When cost evaluation is difficult...
 - ... prices may be defined looking at the competitors' prices to fix a *reasonable* price



D. Contract or negotiated pricing

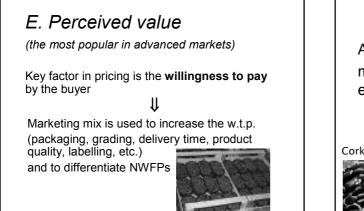
Prices set by pre-agreement or negotiation **before the collection** of a NWFP

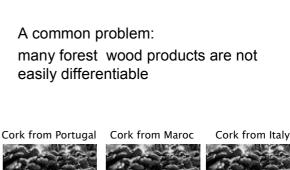
(e.g.: herbs, berries, cork)

Frequent application when buyers are firms, commodity merchants or processors

Sometimes risky: see weather conditions, site productivity, labor availability

A variant: **formula pricing** = set on the basis of systematic use of external values or factors (international prices index, license costs, fuel costs, etc.)

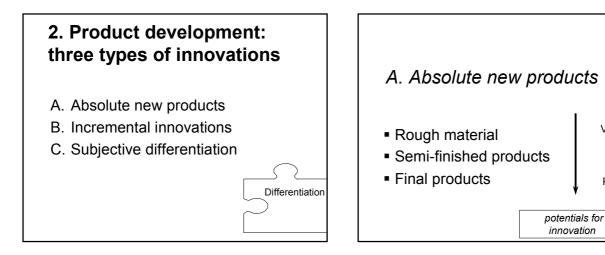


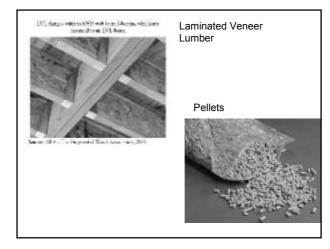


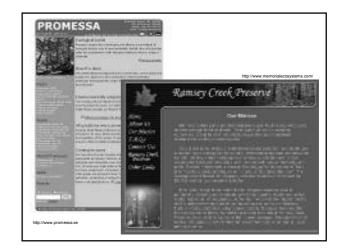
Some special pricing techniques (*price tactics*) can be used to differentiate wood products:

- Direct sales to individual buyers (i.e. processors and exporters, avoiding merchants)
- Group marketing
- Off-season selling
- Quantity discounts, cash discounts and special sale prices

... some other opportunities to increase the trust and the willingness to pay by the buyers are offered by the other 3 Ps







Very low

Relatively

high



In Iceland:

- A lady (employed in a Bank) attended a course on wood working techniques organised in a forest area
- Playing with some pieces of hornbeam for testing her competences she invented this object
- Some friends like the object as a Christmas present
- She start to sell it in a small local shop

Now (after 2 years):

- 13 Euro
- 5 minutes for making and painting one
- She is employed part time in the bank
- She earns 2500 Euro/month

Which lessons learned?

- Absolute innovation: casual, not easily replicable
- Patentable → high individual profit, no positive impact on the local community
- Non-patentable (very common in the forest sector): no stable sources of income (imitation)

B. Incremental innovations: improved products and services

Products:

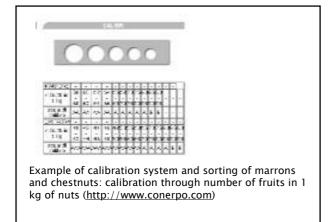
- Charcoal with aromatic herbs
- Chestnut flour with pine seeds and raisins to prepare, following a traditional recipe, the typical cake castagnaccio in Italy



B. Incremental innovations: improved products and services

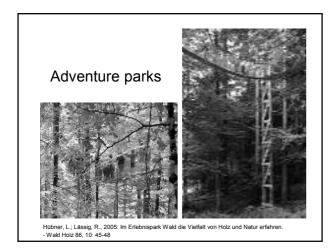
Services:

- Sorting and grading system
- Kiln drying
- Packaging
- Branding
- Certification and (eco)labelling

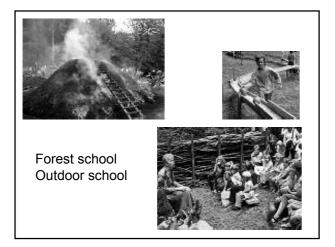


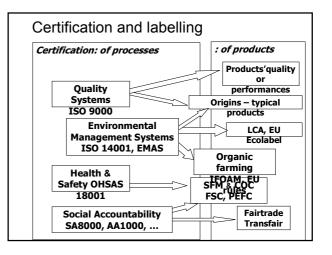


Standardization and packaging of Christmas trees http://www.kollnitzer-tannenhof.com

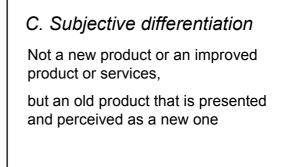






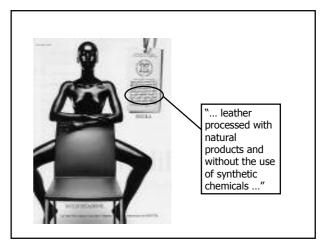






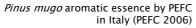
 \rightarrow Essential role of promotion







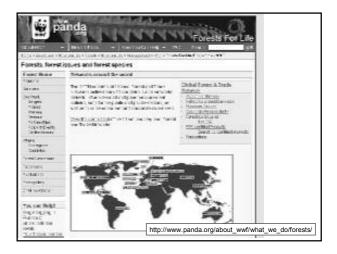






advantage from the use of "umbrella labels"



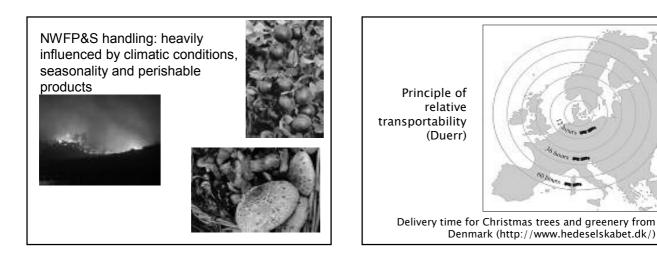




4. Place: logistics

- Delivery time
- Products handling: containerization and palletization
- Freight forwarding (i.e. several smaller shipments from different plants combined)
- Warehousing
- ...



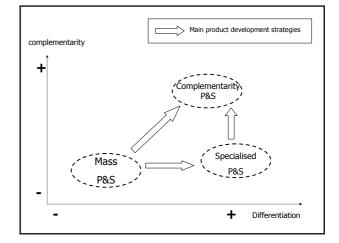


Marketing strategies

Mass market: Danish Christmas trees, Irish foliage, Albanian aromatic herbs, Finnish frozen or Croatian fresh mushrooms:

= relatively low prices

 \rightarrow in many rural areas this is not a winning strategy



2 alternative strategies

→Specialized products: e.g. high AV niches products

→Complementary products & services: synergies with other products/services (tourism, recreation), i.e. with other economic operators Specialized niches products a case study: chestnut



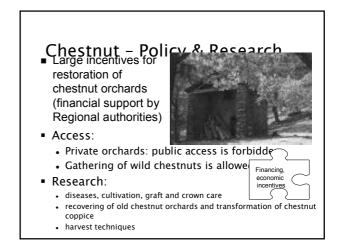
- 209 000 ha for chestnut production
- 89 000 agricultural enterprises
- 76 000 ha orchards
- Varieties "Marrone" and "Chestnut"
- Regions: Campania 51%, Calabria 12%, Latium 11%, Piedmont 9%,

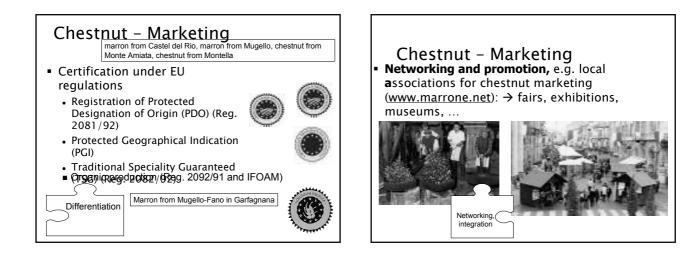
Chestnut - Marketing Characteristics

Positive	Negative
 good nutrient values different final uses high added value products through processing easy storage (refrigeration) various by-products (honey, mushrooms) For. resources assessment	 Difficulties in obtaining a nut clean and of homogeneous size Production variability Fresh nuts quality maintenance problems Fungal infection and insect attach to fresh fruits, weevil damage during storage and later high harvesting costs and highly concentrated labour requirements

Chestnut – Distribution of consumption of chestnuts (Bellini, 2003)

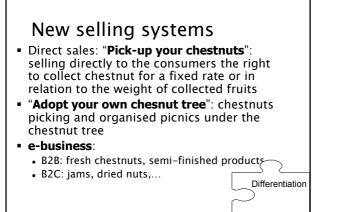
	Chestnut	Marrons
Peeled, for animal feeding and other uses	5 %	< 5 %
Self consumption	5%	10 - 15 %
consumption)	40 %	20 - 30 %
Processing industry	10 %	35 - 40 %
Dried	10 %	
Export	30 %	15 - 20 %
		Segmentation







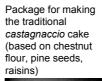






Product development





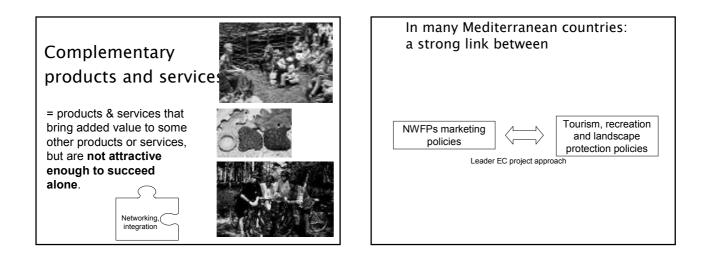


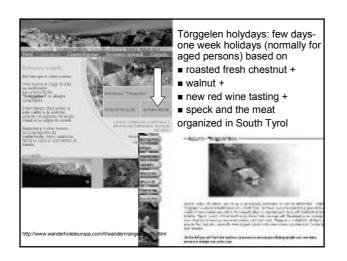
Lessons learned

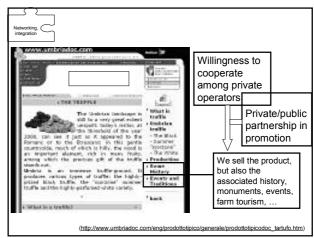
- Vertical integration to sell the high AV products
- Direct sales to increase forest owners profits \rightarrow investment in orchards amelioration

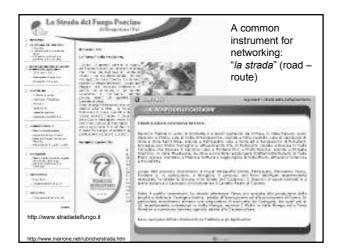
 \rightarrow protection of property rights

Public authorities: external support in promotion, technical assistance to forest owners











Lessons learned

- Territorial marketing
- In many contexts the real constraint is not the lack of natural capital, but that of entrepreneurship
- Key factors: partnership private/public actors, cooperative attitude = social capital

From total marketing (4 Ps)...

- \dots to social marketing = 2 "new" Ps
- Political power
- Public relations

Civil society, in the Mediterranean region too, is playing an increasing



From total marketing (4 Ps)...

... to social marketing:

Company's decisions are taking into account the **long-term** interests not only of the internal but also of the **external stakeholders** → Corporate Social Responsibility

(Kotler, Armstrong, Saunders, Wong, 2001)

CSR, marketing based on ethical principles:

- safety and health of workers, consumers, local population
- no discrimination, no social inequality
- right to information, transparency
- sustainable use of natural resources
- ...

There is no conflict (no trade-off) between ethics and economics (profit, value of the assets, ...)

Thank you!

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