

ThinkForest High-level discussion forum on Payments for Environmental services: a way for Mediterranean forests? Bruxelles November 27, 2012

The role of public authorities in PES implementation: the Italian experience



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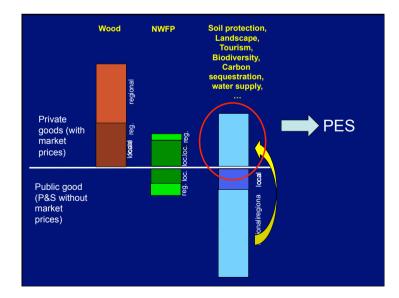
Outline

- 4 messages:
 - Economic importance of ES
 - Preference given to regulative instruments in the past
 - WTP for ES and scale
 - Importance of quasi-PES
- Final considerations



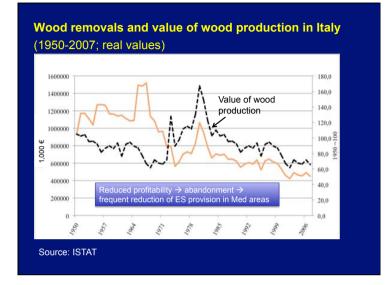
1st message: ES are playing a much more relevant role in Med region than in other regions

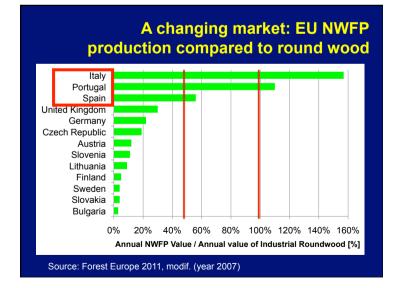






Source: Merlo and Croitoru, 2005 (p.52); Palahi et al., 2008





Studies on forest externalities values

Average biodiversity and recreational values in European Forests (TEEB, 2009) (Values per hectare – methodology: value transfer)

	Mediterranean EU	Northern and Central- Northern EU	Scandinavian EU
-	Latitude 45-65	Latitude 65-71	Latitude 35-45
Range US\$ (2000)	356-615	123-182	123-255
Average \$ (2000)	485.5	152.5	189.0
€ (2000)	379,3	119,1	147.7
€ (2008)	467.1	146.7	181.9
		3.2	2.5
Source: TEEB Report	t; CLIBIO project cit.	in Den Brink et al. (200	9)



2nd message: In forest policies regulative instruments and direct control of the State have been favoured in the past

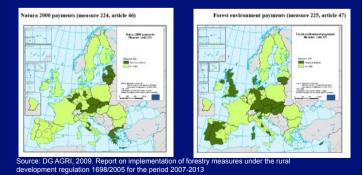


Italy: a strong public control of the forestry sector

- One third of the forest owned by public bodies
- No significant examples of forest concessions
- 98% of the forest cover under quite strong land use prescriptions Overcontrolled market →
- 65-75,000 forest woll reduced room for introducing bodies
 PES schemes
- A strong State forest police (the only case in EU15)
- Production and service activities under direct
 public control (forest nurseries, management plan preparation,
 certification agencies, game enterprises, land restoration enterprises,
 environmental education activities, sawnmills ...)

Mechanisms of payment or compensation still to be developed in the Med region

Payments for ES with the RDP



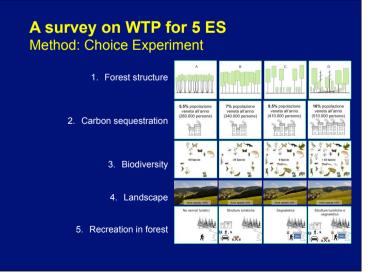


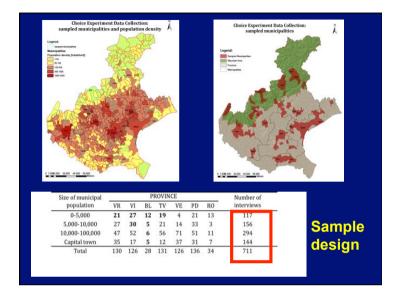




3rd message: Willingness To Pay for ES at large scale is rather limited







		Number of respondents	[%] of protesters	[%] of the sample
	It is too costly	55	90.2	8.6
	I have no enough money	58	95.1	9.1
	I pay enough taxes	61	100.0	9.6
	I prefer to spend my money in other things	56	91.8	8.8
	The program is not important	35	57.4	5.5
	I don't believe it'll be implemented	38	62.3	6.0
	Other programs could be better	29	48.3	4.6
	I want to leave things like they are now	31	50.8	4.9
1200 1000 2 800				
400 200 0	0 € 25 € 50 € 75 € 100 € 125 € 150 € 175 € 200 € 1476 739 487 566 297 107 137 108 105			

Main results

- Biodiversity protection, landscape conservation and maintenance of forest structure should be provided at zero cost for the beneficiaries
- Some **positive WTP** for **Carbon** sequestration and organized **recreation**
- WTP is highly influenced by the **level of** education (not always correlated to income)
- →As proved by other surveys, positive WTP is much higher in the small-scale PES systems



1. Mushrooms and truffle picking permits

National frame law, Regional Acts and local regulations → daily permits of 5-15 €/persons per max 2-3 kg

A case-study: Borgotaro Forest Community (Parma province – Emilia-Romagna Region)

- Total number of permits sold: 25-36,000 €/year
- Annual revenue from permits: 300-420,000 €
- Revenues from PES: 15-19 €/ha/year
- Revenues reinvested in forest maintenance and local development policies



2. Hydro power generation

- The first source of renewable energy in Italy (5.1% of total final consumption)
- National frame law: no. 959 in1953
- PES is based on power of hydroelectric plant (>220 kW/h): 28 €/kWh installed/year (in 2011)
- Beneficiaries: Municipalities, frequently organised in Consortia (BIM – Bacini Imbriferi Montani)
- Numbers: 69 BIMs; 1,684 Municipalities involved; 252 dams; 518 power plants

3. Drinking water provision An exemplary case: *Romagna Acque* and the Ridracoli dam

- Dam built in the 1982; capacity of 33 M m³; more than 100 M m³ of high quality drinking water provided/year
- Managers: a public company controlled by the local administrations
- From 1982 to 2007: 25 years of constant investments in the catchment basin area (mainly forest area): an almost fixed amount of 4% of the total company revenues from water tariff, equal to a annual PES of 5-600,000 €
- The cost of removing the soil from the dam-bed could have been 10 times higher in the same period

Final considerations

- The regulative framework allows the establishment of (quasi) PES schemes, but implementation is lacking behind
- Public administration has the responsibility of changing its culture and general approach ...

... from a passive role in controlling the resources ...

... to an active partnership in the rural development path ...



