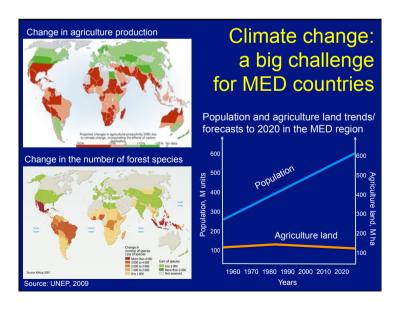
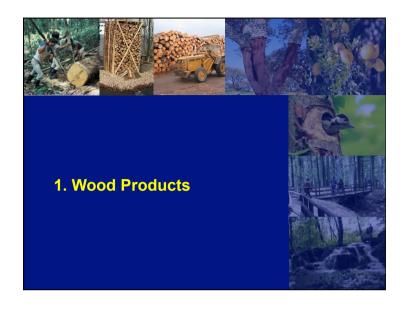


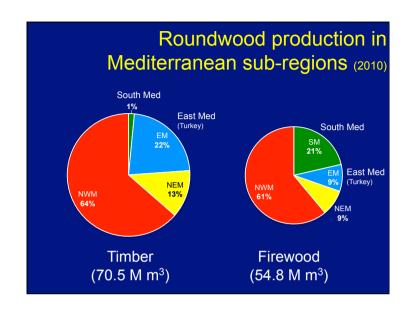
#### Increasing gap North-South

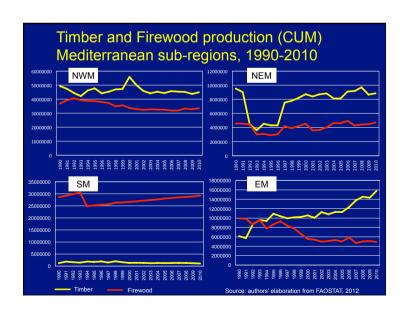
In 2020 2/3 of Med people will be located on the southern shores, with probably less than 10% of all the Med forests

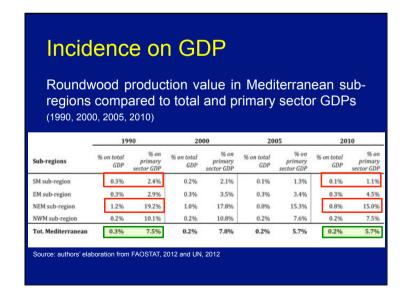
→ Another factor of social conflicts and political instability?

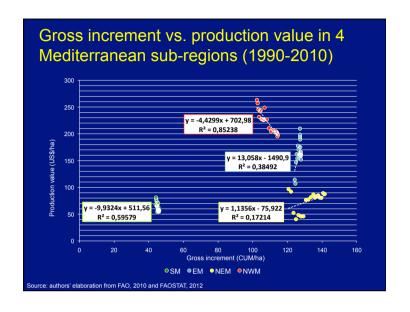














#### Main points for reflection

- A decreasing role of wood production, both in absolute and relative terms
- No relevant gains in terms of forest cover and growing stock
- Wood trade: increasing dependence from abroad
- Problems of data quality

### NWFPs – Marketed plant and mushrooms in Europe (value - 1000 €)

	Christmas trees	Mushrooms and truffles	Fruits, berries, etc.	Cork	Resins	Decorative foliage	Other plant products
North	132 104	12 493	15 107	-	182	58 824	-
Central- West	733 900	14 550	883	775	32	7 202	55231
Central- East	2 830	10 587	28 132		1 621	1 802	106
South- West	110 828	124 161	299 574	323 850	2 364	-	7997
South- East	377	11 283	10 296	'	12 476	921	408
Total	980 039	173 075	353 993	324 625	16 675	68 749	63742

Source: adapted by L.Fontes (2012) on data from FOREST EUROPE, UNECE and FAO 2011

NWFPs - Marketed animal produc	ts in
Europe (value - 1000 €)	

	Game meat	Living animals	Skins, trophies, etc.	Wild honey	Materials for medicine	Other products
North	5 791	-	346	-	-	-
Central- West	217 505	-	6 738	25 616	-	1 340
Central- East	15 117	1 221	2 136	-	1 115	2 461
South- West	149 537	-	-	101 088	-	-
South-East	4 266	-	8 439	3 660	-	-
Total	392 217	1 221	17 659	130 364	1 115	3 801

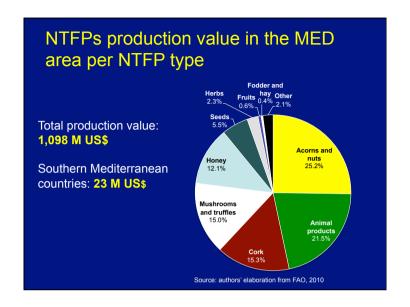
Source: adapted by L.Fontes (2012) on data from FOREST EUROPE, UNECE and FAO 2011

# Different roles of NTFPs in the rural economy

Source: K.Kusters and B.Belcher. Forest products, livelihoods and conservation. Case studies of Non-Timber Forest products Systems

#### 3 cases of NTFP enterprises:

- Coping: self-consumption and subsistence use; low integration into the cash economy: poorest among the poor. Often it brings to un-sustainability
- Diversified income strategy: a cash economy (products are sold), but with a limited contribution to HHs incomes (multiple incomes). Often a safety net: important in hard times
- Specialized: harvester is an entrepreneur, specialized, full time; high degree of resource dependency; innovator, often looking for domestication

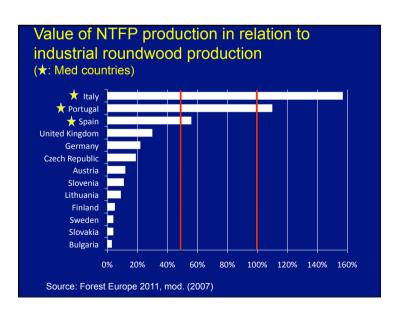


## Totally different roles of NTFPs in rural economy

- NWM: specialized enterprises
  - industrial raw material (cork)
  - niche products for integrated local development

# NTFPs as instruments for networking local actors and marketing a territory (**imago product**)

- Traditional local products
- "Green" products
- · "Slow food" culture



#### Road, trail, path... the tools for connecting different economic actors Google search hits 35,200 Strada della castagna Chestnut road Strada del tartufo Trufle road 361.000 Strada del fungo Mushroom road 265,000 Strada del porcino Porcino road 58,900 78,400 Strada del marrone Marron road

# Totally different roles of NTFPs in rural economy

- NWM: specialized enterprises
  - industrial raw material (cork)
  - niche products for integrated local development
- SM: many enterprises with Coping strategies, but also Diversified income strategy and Specialized enterprises, with:
  - Domestication
  - Differentiation
  - ... but also with problems of increased competition and substitution

# The problems of Argan market development

(...) "market-based mechanisms offer no magic bullet, that the benefits of commercialization need to flow to people who have secure rights in the resource and who then have an incentive to conserve it in both the short and long-term. In southwestern Morocco, argan oil commercialization appears to have motivated greater local protection of mature trees, but there are fundamental biological and institutional barriers to market-induced reforestation (...)

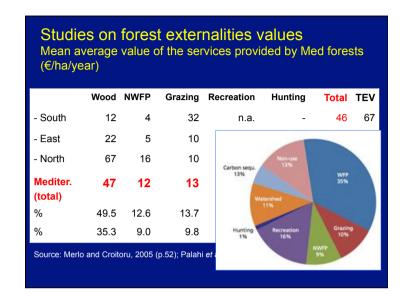
Likewise, insecure tenure, including incursion from large herds from outside the region without protection from the state, threaten the trees and the ecosystem that depends on them, undermining incentives to invest in maintaining the forest" (Lybbert et al., forthcoming)

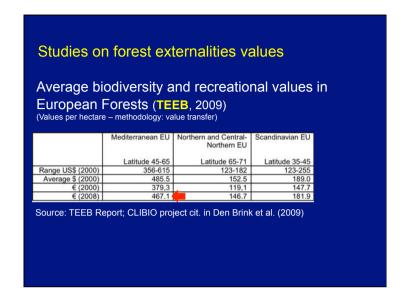


#### Main points for reflection

- NTFPs: an increasing role in Med forest economy in absolute terms and in relation to wood
- Also in the case of income generation policies based on NWFPs the role of added value services tends to be more important than the rough material production
- SM: NTFPs still important in poverty alleviation and as limited cash source in HHs economics
- When demand grows, new marketing instruments are needed, and Southern countries are not always able to face hard competition and to cope with new trends and advanced consumers' preferences
- Problems of data quality (informal economy)



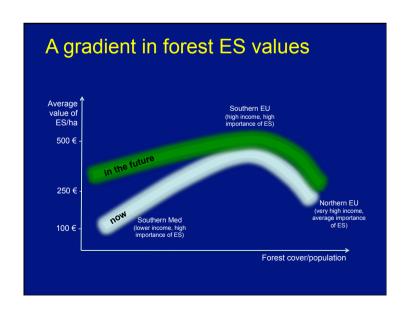




Studies on forest externalities values
Total Economic Value of Italian forests
(Contingent Valuation; Tempesta and Marangon, 2008)

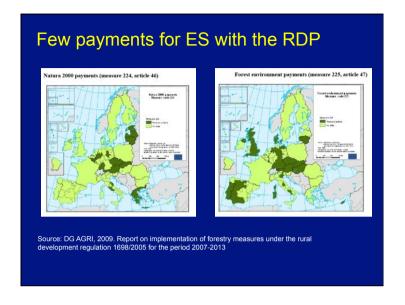
Values of Forest Environmental Services:
•WTP: 209 € per household/year
•WTP: 4,507 M €/year for all forest area
•WTP: 666 €/year/ha

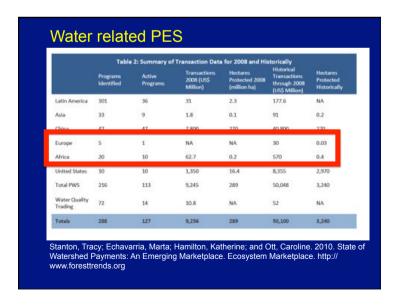
Including the value of market products (according to Nat.Statistics): TEV = 723 €/hectare



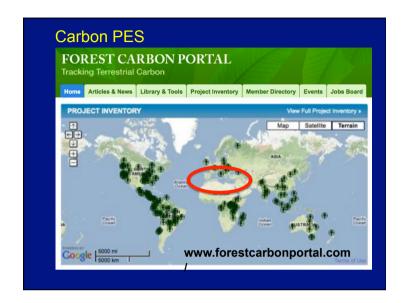
#### Main points for reflection

 Mechanisms of payment or compensation still to be developed in the region (more delay than in other regions), not withstanding the strategic role of water, biodiversity and landscape (tourism along the coast)





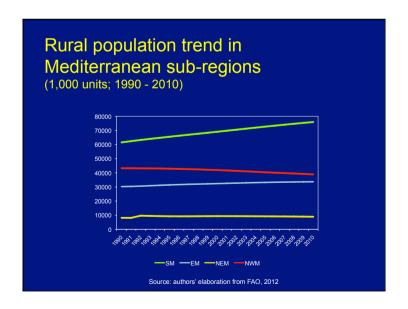


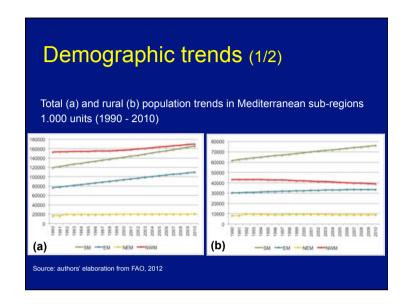


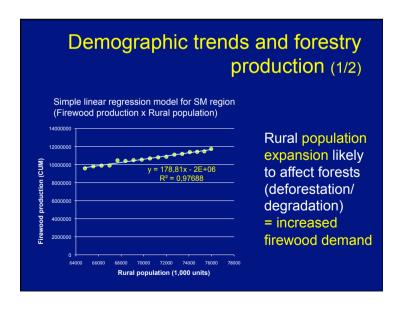
# Main points for reflection • Mechanisms of payment or compestill to be developed in the region (rethan in other regions), not withstanding strategic role of water, biodiversity are landscape (tourism along the coast) • If there is a problem of market failurence.

- If there is a problem of market failure and a need for internalizing non market forest services, this is a Med issue, more than a Central-Northern Europe one
- · Problems of data availability



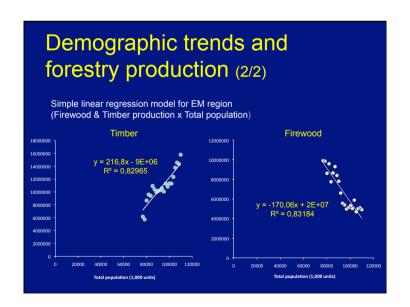






#### Demographic trends (2/2)

- Positive trend (peaks in SM and EM)
- 2020: 2/3 Mediterranean people will be located on the Southern shore
- Rural pop.: 34%
- Maghreb and the Near East: highest rates of urban growth
- Mediterranean country-side not in demographic decline (except NWM)



#### Indigenous people in the Mediterranean region Indigenous people (IP) 1,000 Total population (2010) (TP) 1,000 Country 10,000 35,468 Algeria<sup>(a)</sup> 666 – 1,166 Egypt<sup>(b)</sup> 81,121 6,946 - 22,366 31,951 Morocco<sup>(a)</sup> Tunisia(a) 527 10,481

Source: (a) IWGIA, 2011; (b) ILO and ACHPR, 2009; (c) IWGA and ACHPR, 2005

Israel(a)

Territories(c)

Occupied Palestinian

IP/TP %

28.2%

0.8-1.4%

22-70%

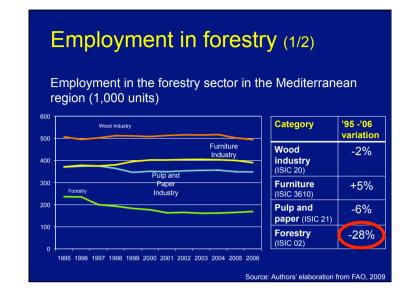
7.418

4,039

5%

2.6%

0.3%



				<b>Ty</b> (2/2) erranean su	b-regions	
MED		1995 –	2006 %	variation		
sub- regions	Forestry	Wood Ind.	Pulp & paper	Furniture	TOTAL	
SM	-28	+6.7	-28.9	-17.6	-20.7	
EM	-43.7	+72.2	+41	+31	+15.7	
NEM	-33.3	-6.7	-6.2	+52.6	-3.6	Ì
NWM	-18.8	-9.6	-17.3	-1.1	-10.3	
TOTAL	-28.4	-2.6	-6.0	+5.1		
			Source:	Authors' elaboration	from FAO, 2009	

190

13

Mediterranean region						
Country	Indigenous people (IP) 1,000	Total population (2010) (TP) 1,000	IP/TP %			
Algeria <sup>(a)</sup>	10,000	35,468	28.2%			
Egypt <sup>(b)</sup>	666 – 1,166	81,121	0.8-1.4%			
Morocco <sup>(a)</sup>	6,946 – 22,366	31,951	22-70%			
Tunisia <sup>(a)</sup>	527	10,481	5%			
Israel <sup>(a)</sup>	190	7,418	2.6%			
Occupied Palestinian Territories <sup>(c)</sup>	13	4,039	0.3%			



# Governance: the way of governing

i.e. hierarchical- vs. networked-based distribution of power/authority in policy making; plurality of actors and levels, need of vertical and horizontal coordination.

- Multi-level governance (vertical dimension: from global forest regime to local forest management practices; from general policy ideas to specific requirements)
- Multi-actor governance (horizontal dimension: from one public (forest) policy maker to several, diversified actors within a geographically or administratively defined area)
- Multi-sector governance (cross-sectoral policies: rural development, economy, energy, tourism, welfare, labour)

#### Changing relationships among actors: new modes of GVC in Mediterranean forestry e.g. FLEGT, UNFCCC, SFM State standards Public-private Comanagement partnerships (e.g., comanagement (e.g., concessionary e.g. CBFM, Community Based Natural Resource rrangements, logging, JMP. Management, forests, fisheries Commons water) Private-social Community Market partner e.g. PWS, NWFPs certification, ecotourism in rural areas, ... Source: based on Lemos and Agrawal (2006)

# Main governance issues in Med forestry nowadays

- Wood: global market influencing local FM trends; lack in multilevel coordination and capacity of adaptation to changes; main problems of illegality (illegal timber, corruption); need to find instruments and agreements for improved transparency.
- NWFPs: need to plan how to integrate governance for both domestication and wild harvesting (actors and mechanisms vary); need of networks and territorial marketing (avoid fragmented, isolated initiatives); need of reforms of tenure rights on lands and products; equity in benefits/costs distribution.
- ES: multiple stakeholders, also from urban areas, are involved; private-private and public-private partnerships (PES); reforms of institutional frameworks and property rights are needed; equity in costs/benefits distribution; accountability needed.

# Main challenges in governance and social issues in Med forestry

New governance mechanisms have the potentials to strengthen rural self-determination if:

- the new governance principles (participation, transparency, legality, accountability, social justice and equity, etc.) are systematically integrated into the "green economy" (mainly based so far only on the "old" principle of environmental sustainability)
- accountability of local and customary leaders is assured;
- vertical and horizontal coordination among actors and institutions are provided;
- proper values of ES and fair prices of NWFPs are calculated and used in negotiation processes.

How to get to the green economy?

A paradox connected to the **instruments** of policy action ("stick" vs. "carrots" and "sermons"):

- •we stress the need to enhance the use of **voluntary**, **market-based mechanisms**, also to actively involve civil society in the management of natural resources ...
- •... but we tend to increase the use of **regulative policy tools** both for the forest resources (VPA licence, DD of the EU-TR, legally binding convention, ...) and for people (immigration quota, police control of illegal emigration, ...)

Two paradoxes in the governance of the (Mediterranean) forestry



A paradox connected to the targets of policy action:

- •The increasing importance of the non-market component of the forestry economy (from an economy based on wood and other commodities to a an economy based on services)
- •The key-idea of of nature-based economy ("Bio-economy"\*) and "green economy", where forestry, producing raw materials together with agriculture, fishery, food and biotechnology should be the engine of the growth

(\*) Innovating for Sustainable Growth: A Bioeconomy for Europe. Brussels, 13.2.2012 COM(2012) 60 final.

The real innovative and crucial aspects of the governance towards a green economy for the Med forestry sector are related to equity, social inclusiveness, tenure security, income generation, i.e. to social and political issues, more than on technological ones.



Sağ olun!