FORESTERRA ERA-Net Conference

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Social innovation for resilient and productive Mediterranean forests

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1. Intro: What do we mean by resilient and productive Mediterranean forests?

Resilience: "the ability of a system to cope with change"

→ the capacity to deal with external stresses and disturbances as a consequence of environmental and socio-political changes (Adger, 2000) e.g. climate change, desertification, fire,...; EU crises: poverty increase, loss of employment, inequalities, ...

Production: "wide range of forest goods and services based on the idea of multi-functionality (landscape, EA)"

→ timber, biomasses, NWFPs (namely cork, chestnuts, truffles – Vidale and Da Re, 2015 for StarTree project), ESs (water, biodiversity, tourism, ...)

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Outline

- 1. Some introductory thoughts and concepts
- Technological vs. social innovation
- 3. Examples of social innovation in Mediterranean forests
- Open questions for research
- Conclusions

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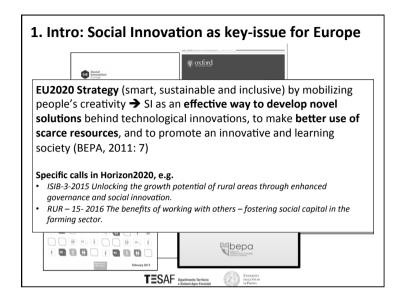


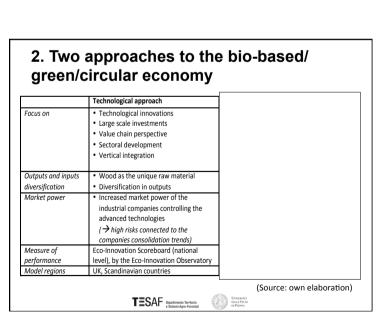
1. Intro: What do we mean by Social Innovation?

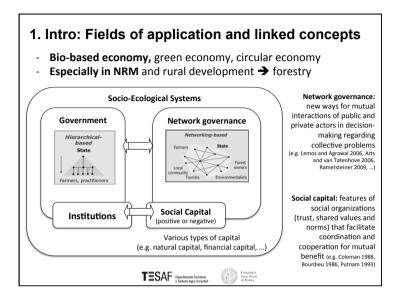
- SI as the capacity to create and implement new ideas that are likely to deliver value (thus meeting individual economic interests), contemporarily responding to social demands (thus meeting societal needs), that are traditionally not addressed by markets or existing institutions (e.g. BEPA, 2011; Anderson et al. 2015).
- SI might include (EC, 2013 and 2015):
- new institutional environments and arrangements (e.g. new formal or informal rules, new administrative procedures);
- **new fields of activity** (e.g. social entrepreneurships and social enterprises, new social uses of forests);
- **new actors' relationships and interactions** (e.g. new forms of collaboration, new networks; new attitudes, values and behaviours).

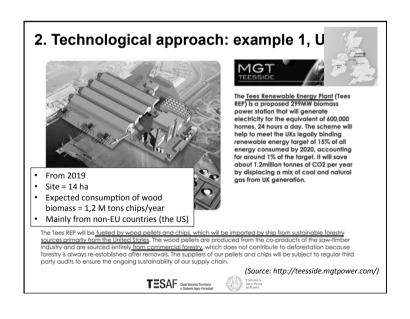
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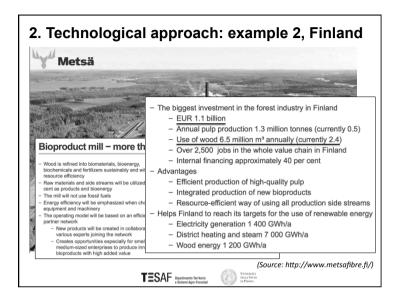


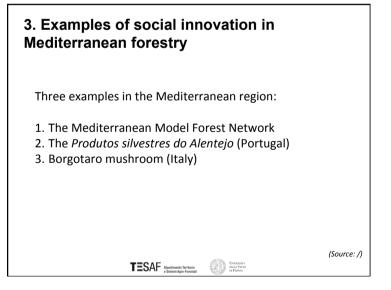




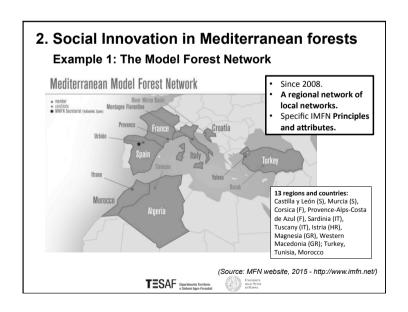


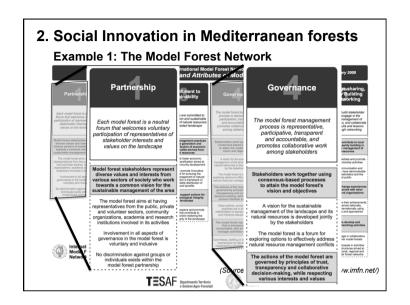






2. Does this technological approach work for Mediterranean forests? · Highly fragmented forestland ownership (especially private) Difficult forest management conditions (geomorphological constraints/limits) · High esposition to risks (fires) • Low financial profitability, provision of high value public goods (water, soil protection) Pink areas = mountain Black spots = land under conversion Wide range of forests/environments · Large majority of SMEs **Diversification of the production** (constellation of niche markets) · Limited investments in technical assistance, innovation and R&D TESAF Dipartimento Territorio e Sistemi Agro-Forestali









2. Open questions for future research...

So many knowledge gaps, that we can really be creative...

- · Empirical evidences of the cause-effect links between social innovation and economic performance in forestry
- Short and long-terms effects of new institutional and policy frameworks/policy reforms on SI implementation in Mediterranean forests, e.g. EU RDP 2014-2020 (art. 35 Cooperation)
- · Development of new/refinement of sets of methods to measure social dimensions in innovative forestry (e.g. Social Network Analysis)
- · Role of networks and SC in increasing the provision of ES



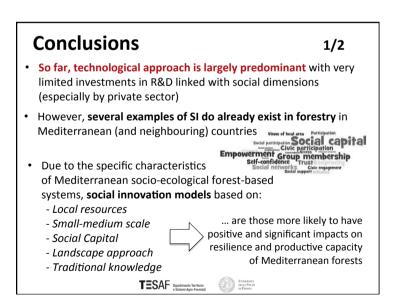


2. ... need to focus on societal challenges!

Trying to identify and explore unusual fields of research and/or to use unusual interdisciplinary collaborations...

- new social uses of forests (Austria) (medicinelandscape-forest)
- legal and economic benefits for entrepreneurs of adopting "network contracts" (Italy) (lawyersforest economists)





Which model of (research) innovation in/for forestry? LINEAR MODEL OF INNOVATION INTERACTIVE MODEL OF INNOVATION Production of knowledge Basic research Education Dissemination **√** Knowledge transfer Technological owners development V Technical services Education/ by end users Application (e.g. forest (Source: Illuminati, 2014 - mod.) TESAF Dipartimento 1

