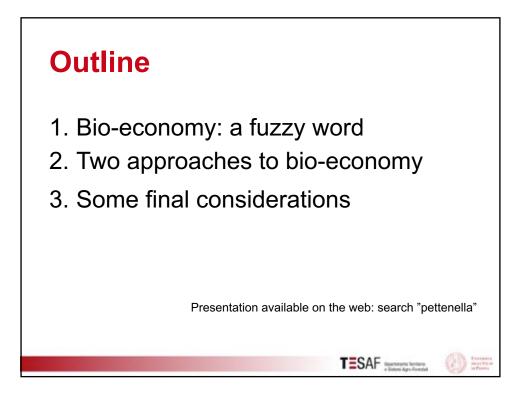
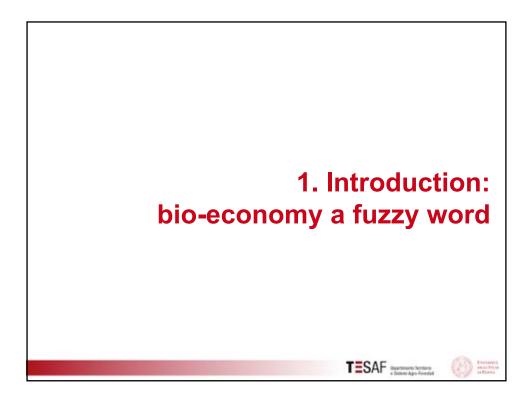
Ukrainian National Forestry University International Scientific Conference "National Forestry Education and Science in the Context of World Trends" Lviv, 11.10.2018

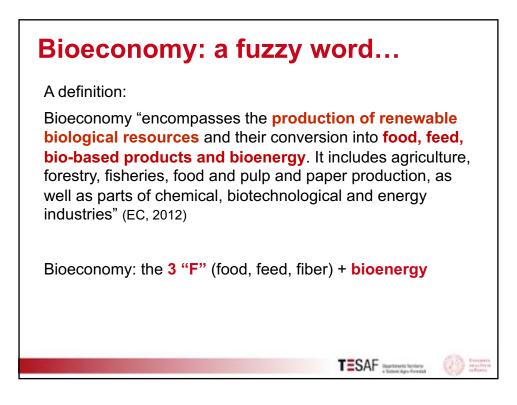
## Bio-based economy: are we going to enhance the market power of forest owners?

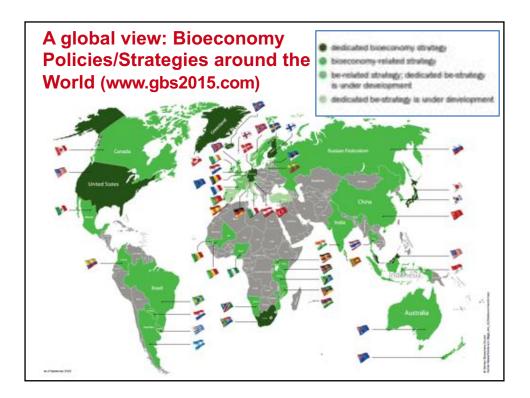
Davide Pettenella TESAF Dept. – University of Padova

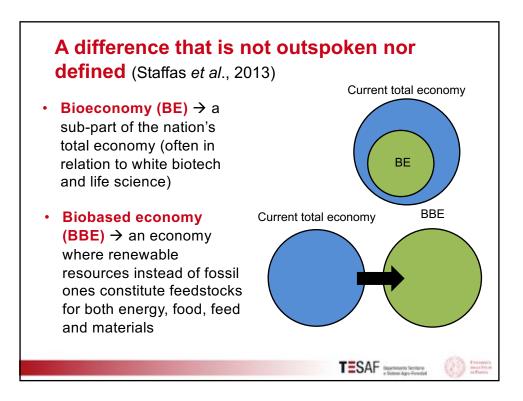
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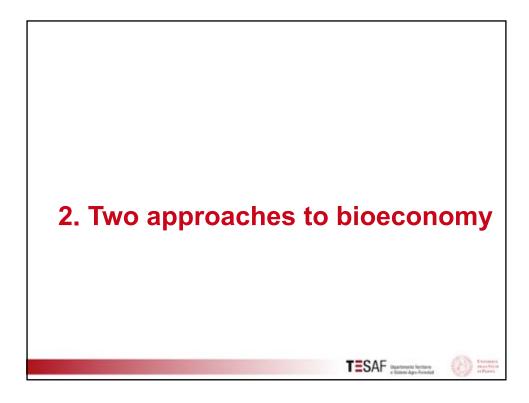


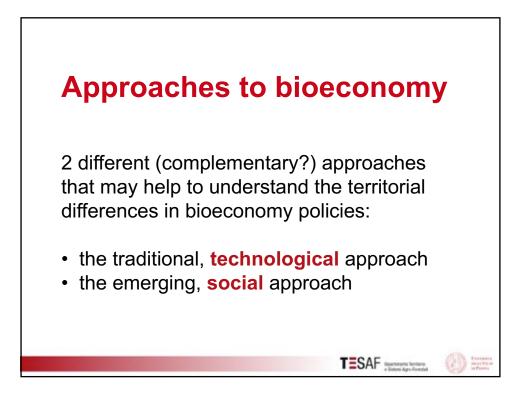


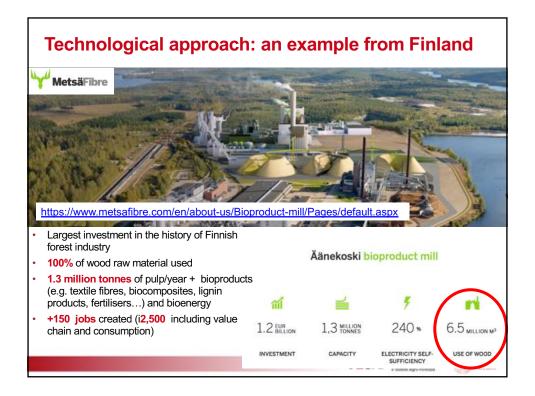


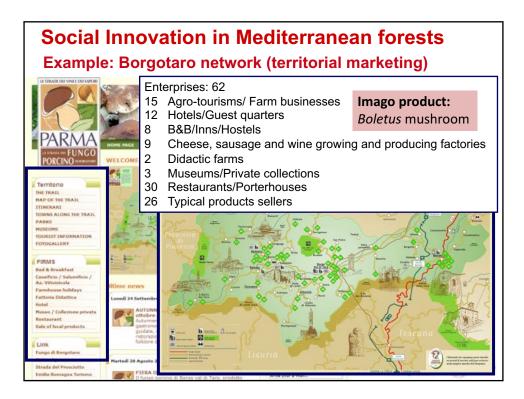




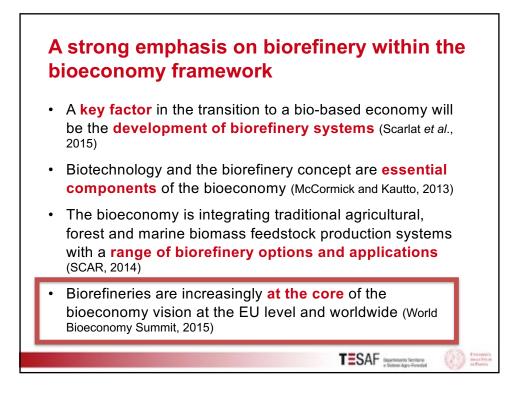


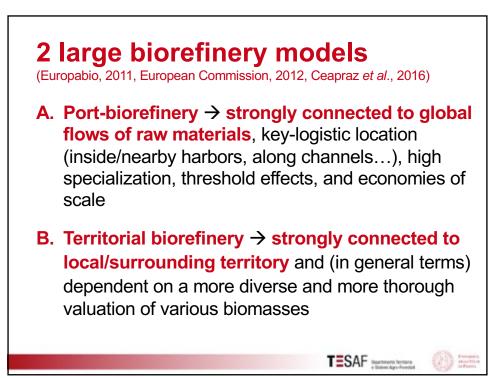


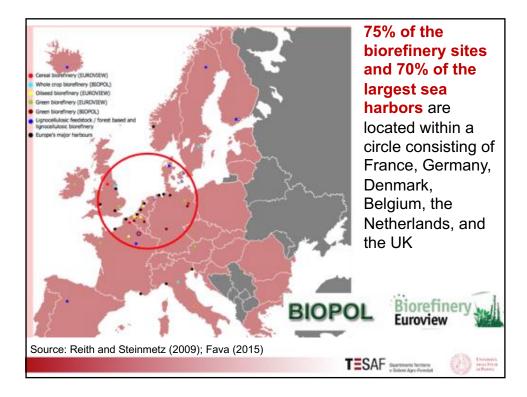




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	Technological approach	Social approach
Focus on	<ul> <li>Technological innovations</li> <li>Large scale investments</li> <li>Value chain perspective</li> <li>Sectoral development</li> <li>Vertical integration</li> </ul>	Social innovations     Small scale     Networks     Cross-sectoral development     Horizontal integration (= forest     and agriculture as the green     infrastructures for rural development)
Input/output diversification	1 or more inputs Diversification in outputs	Diversification in the use of inputs High added value products & services
Market power	Increasing role of business owning/controlling the (new) technologies	Role of networks, groups, associations, public-private partnerships
Model regions	Northern EU (UK, Scandinavian countries)	Southern EU (Mediterranean region)

	Technological approach	Social innovation approach
Focus on	Adaptive strategy ("Old wine in new bottles") → conventional wisdom of innovation generation	Bioeconomy: an opportunity to re- think to our consumers' patterns
Input/output diversification	Focus on forests, agriculture, fishery as raw materials providers with biotechnology being	<ul> <li>It not only considers the protection of natural capital, "but it stresses as well the importance</li> </ul>
Market power		of addressing equity and social inclusion challenges in moving
Model regions	the <b>engine</b> of the growth	toward a green economy"

