

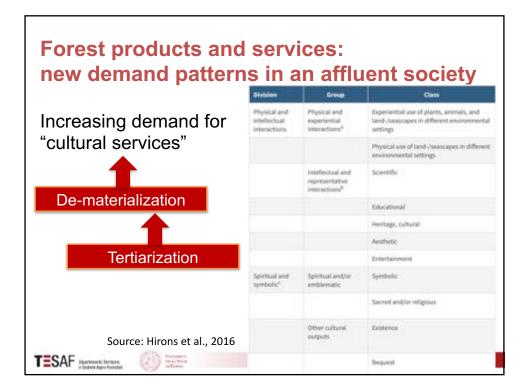


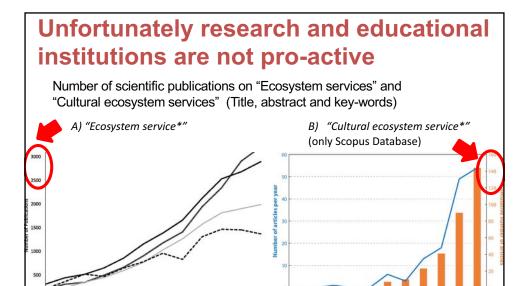
An increasing role of recycling and substituting solid wood products with products made with reconstructed products

Circular economy: already very high performances in the forestry sector!

Production, import and export of industrial roundwood in Italy and other wood raw materials (million cm - 2016)

	proc	luction	import	export	Apparent consumption		%
Industrial roundwood (cm)		2.36	2.91	0.17	5.11	1	15.4%
Chips, particles, wood waste (cm eq.)*		1.06	0.18	0.19	1.04	0.625	3.1%
Recovered fibres from pulp and paper production (cm eq.)		8.45	0.01	0	8.46	2.16	25.5%
Waste paper and paperboard (cm eq.)		24.62	1.32	7.37	18.57	3.8	56.0%
Total wood raw material for industrial use	C	36.49	4.42	7.74	33.17		100%
TESAF Restants Intern Elabora Ages Frances							





2011

McDonough et al., 2017

2012

2013

2015

Hirons M, et al. 2016.

Annu. Rev. Environ. Resour. 41:545–74



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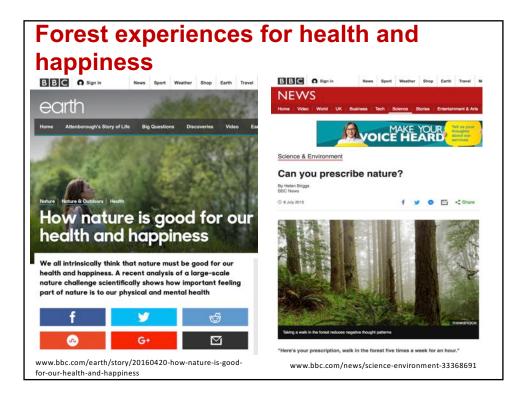








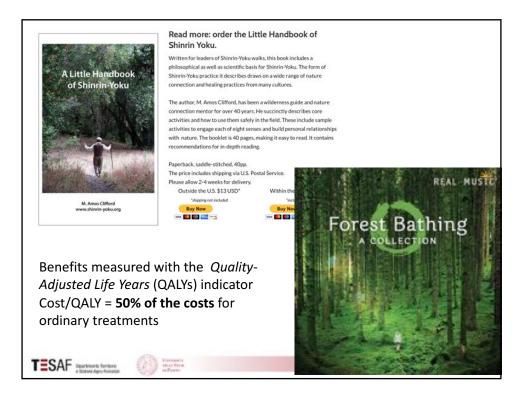




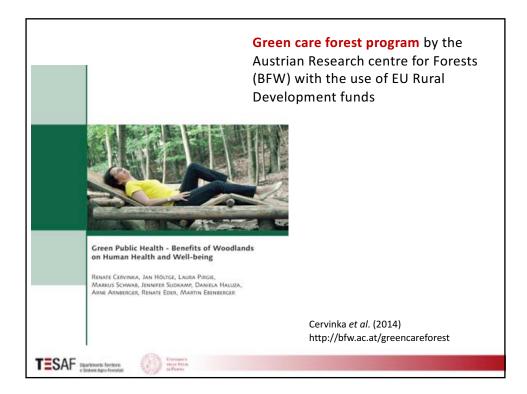






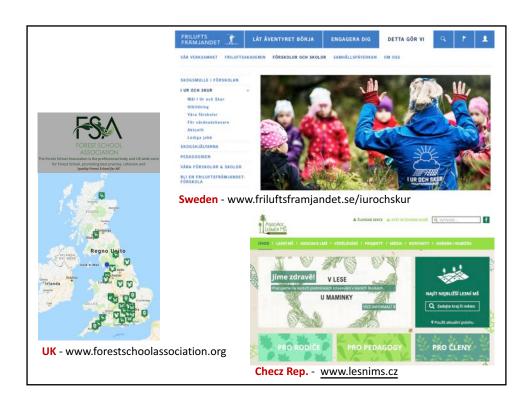




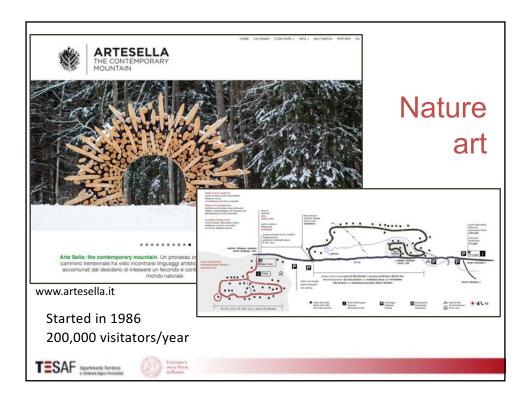




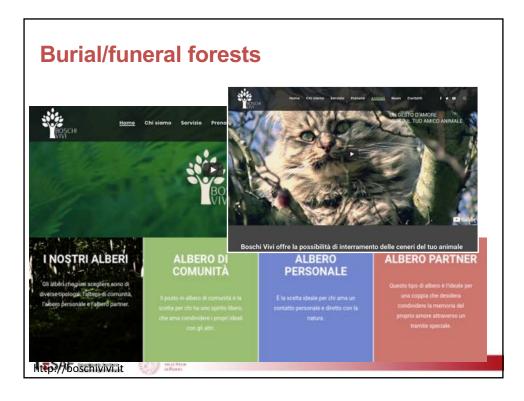






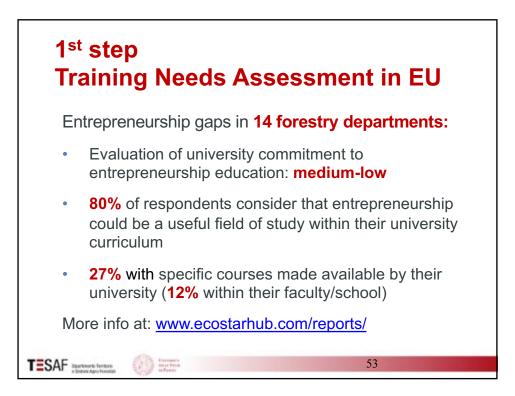




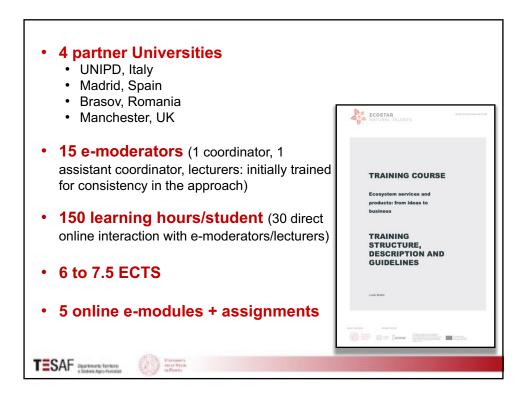












Module title	Expected learning outcomes	E-lessons (BP = component of Business Plan)	Modality	Timetable	Developer & E-lecturer				
1: Are you innovation friendly?	Mootle platform understand course structure socialize with e-fellows	 Log in and answer the welcome letter Have you ever seen innovation and entrepreneurship? 	Web surfing	1 week Monday 16/10 Friday 20/10					
2: Entrepreneu	Understand regulatory frameworks	2.1 How to become an entrepreneur: definition, legal,	Web surfing and law	1 week	DEVELOPER				
3: Market outlooks 4: The	Isam key concepts and trends of ecosystem services markets overview of voluntary, regional and domestic initiatives opt familiar with busine	25% active onli 25% mid ter 50% final e	n evaluat	tion	(Enrico) n + 2 Ital				
business plan Idea - Isam from best European business plan examples		CANVAS model (BP) Priday 17/11 E-LECTURER 2 Stein + 2 Italy							
	Costress part examples	5.3 SWOT analysis (BP) Choose 2 (??) topics: 1) natural capital 2) economic evaluation 3) wild forest products 4) investments 5) payment ecosystem services 6) fonest cartification 7)		2 weeks	DEVELOPER & E- LECTURER 1 Italy + 1 UK + 1 Romania 1 Spain				
	Examine two selected topics among the 8 purposed Develop a business idea	5.2 Draft business idea (BP) 5.3 SWOT anatysis (BP) Choose 2 (P?) topics: 1) natural capital 2) economic evaluation 3) wild forest products 4) investments 5) payment ecosystem services 6) forest conflication 7)	oroup more	Monday 20/11 Friday 1/12	LECTURER 1 Italy + 1 UK + 1 Romania				
5: Let's focus 6: Final Exam	topics among the 8 purposed • Develop a business idea	5.2 Draft business idea (BP) 5.3 SWOT analysis (BP) Choose 2 (??) topics: 1) natural capital 2) economic evaluation 3) wild forest products 4) investments 5)	an idea using the CANVAS	Monday 20/11 Friday 1/12	LECTURER 1 Italy + 1 UK + 1 Romania				
focus 6: Final Exam RESULT:	topics among the 8 purposed • Develop a business idea	5.2. Draft business idea (BP) 5.3. SWOT analysis (BP) 5.3. SWOT analysis (BP) Choose 2 (77) spois: 1) natural capital 2) economic evaluation 3) wild forest products 4) investments 5) payment ecosystem services 6) forest certification 7) carbon market 8) ecotourism. (c1: Individual essignment: development of business pli model (1000 words) (BP) Hote://docs.org/se.com/drawings/0102/m022/mMxe0/C	en idee using the CANVAS almNaPZSKCNOwAlh9m4 ent to students (includes	Monday 2011 Friday 1/12 2 weeks, Monday	LECTURER 1 Raly + 1 UK + 1 Romania 1 Spain 4/12, Friday 16/12 ECTURERS 1 Italy + 1 Spa				

 Participants: 171 involved participants & lecturers 156 enrolled participants 67% students formally enrolled in a University (BS, MSc and PhD) 33% non students (e.g., entrepreneurs) 135 active participants 69 participants who completed the e-course (51.1 %)
26 nationalities (9 EU countries)
 Level of satisfaction (anonymous evaluation form): 93% of participants are satisfied, the e-course met their expectations
78% of participants think there is not much duplication/repetition of contents with other courses
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