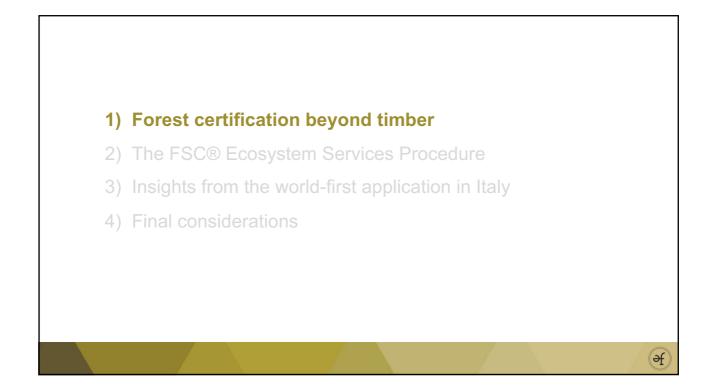
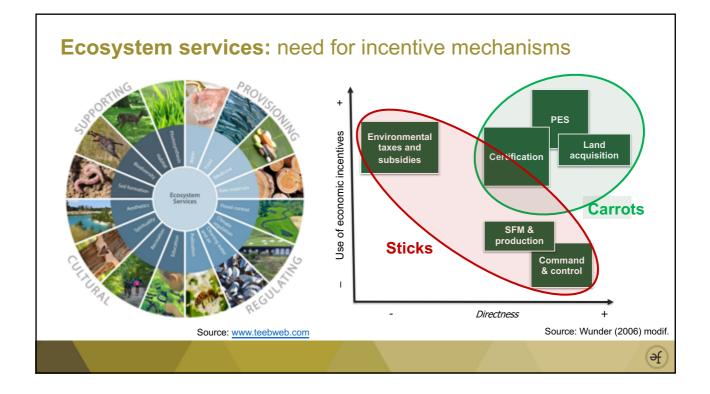
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# **Outline:**

- 1) Forest certification beyond timber
- 2) The FSC® Ecosystem Services Procedure
- 3) Insights from the world-first application in Italy
- 4) Final considerations



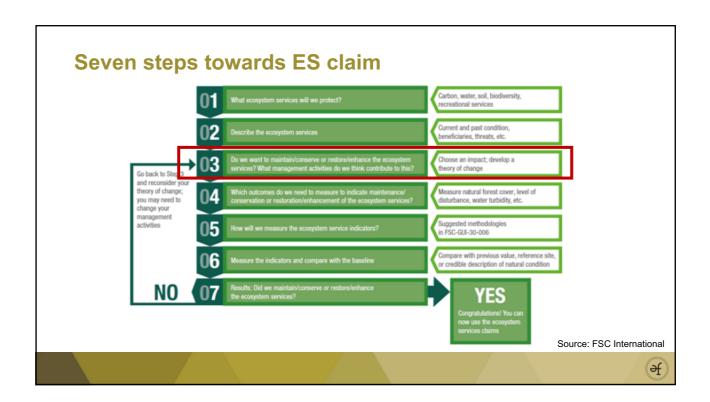


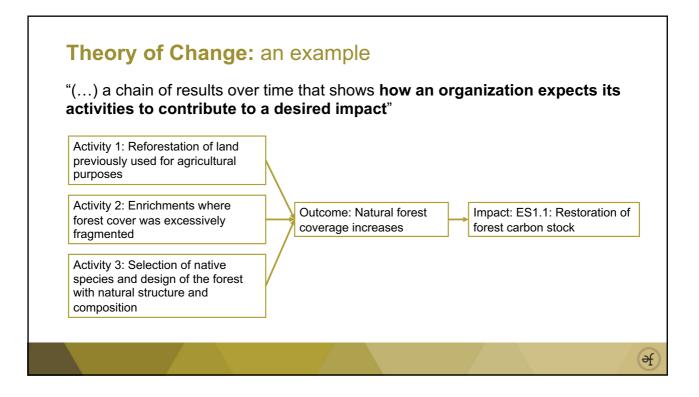








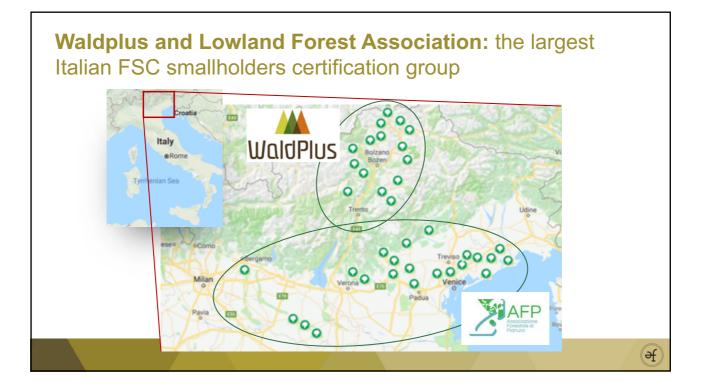














### Verified ES and management activities

ES	List of verified ES	Management activities
ES1: Biodiversity	ES1.1: Restoration of natural forest	Reforestation of natural forest cover
conservation	cover	Restoration on forest land without forest cover
		<ul> <li>Selection of local species and planning of natural forests</li> </ul>
ES2: Carbon	ES2.1: Conservation of forest	FMP implementation of unplanned forests
sequestration	carbon stocks	<ul> <li>Thinning to make forest structure stable and permanent</li> </ul>
and storage		<ul> <li>Support for the conversion of agricultural land into permanent forests</li> </ul>
		<ul> <li>Forest improvements through thinning in order to reduce felling and wildfire risk</li> </ul>
		Ordinary cuts with extraction of sustainable quantities
		Facilitation of regeneration by planting trees
	ES2.2: Restoration of forest carbon	Reforestation on agricultural land
	stocks	<ul> <li>Restoration on forest and without or with low level of forest cover</li> </ul>
		Forest management operation on natural reforestation
ES3: Watershed	ES3.4: Restoration of the capacity of	<ul> <li>Planting activities on agricultural land and related management activities</li> </ul>
services	watersheds to purify and regulate	• Water channelling, during the non-irrigated months, from external areas to the internal one
	water flow	
ES4: Soil	ES4.1: Maintenance of soil condition	Restoration on forest land without forest cover
conservation		Reforestation on agricultural land
	ES4.3: Reduction of soil erosion	Restoration on forest land without forest cover
	through reforestation/restoration	Reforestation on agricultural land
ES5:	ES5.2: Restoration or enhancement	Maintenance of paths
Recreational	of areas of importance for recreation	Infrastructures and equipped areas
Services	and/or tourism	Preparation and installation of information signs
		Thinning and forest improvements to increase close-to-nature form and stability of forests
		Events organization





## Transparency: the FSC database

#### https://info.fsc.org/

2018-12-27-AUS4-004076 ESH 3 Soft erceloli AFP - Annex A pdf	Ecosystem Services Certification Document (available on Website)
2018-12-27-AUS4-004076 ES4.3 Soll erosion POS - Annex A.pdf	Ecosystem Services Certification Document (available on Website)
2018-12-27-AUS4-004078 ES5-2 Recenstonal - Arren A.pdf	Ecosystem Services Certification Document (available on Website)
2016-12-27-AU54-004076M164 general data with variled impacts pdl	List of participating stos/group members/FMUs (available on website)
2019-06-22-4139-004076 M035 RilevLpdf	Public Summary Report (available on website)
2010-07-11 Reporto Pubblico di linnovo pdli	Public Summary Report (available on website)
2010-07-11-ALEI 004076 M164 dati generali generali atta pat	Public Summary Report (available on website)
AND EXD_InformationFinancialSponsorehip_ES_July_2019.stor	Supplementary File (available on website)
htt#M-202-12 SLIMF Waldplue 004451 S1 FINAL v1.xlex	Public Summary Report (available on website)
RTFM-202-12 SL/MF Waldplus 004451 S1 FINAL Max	Public Summary Report (available on website)
RT-FM-202-12 SUMF Waldplus 2014 MA FINAL (Translated Italian) also	Public Summary Report (available on website)
RT-FM-202-13e SLIMF Waldplue (004451), 2017 S3 FINAL 3CARe.xlo	Public Summary Report (available on website)
RTFM-202-13a SLMF Waldplus (004451), 2017 S3 FINAL His	Public Summary Report (available on website)
81444-202-13a SUMF Waldplus 004451 2016 S2 FMAL v1 vis	Public Summary Report (available on website)
RTFM-202-13a SLIMF Waldplus 004451 2016 S2 FINAL vis	Public Summary Report (available on writeibit)



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#### **Final considerations**

- ES certification can attract new actors e new markets
- It can potentially overcome some of the barriers that PES markets face:
  - Reducing transaction costs
  - Improve communication and increase transparency
- From performance-based to **system-based** certification → A step-wise approach?
- Will this be a case where the **private sector** functions as **a catalyzer** and **anticipates public institutions** initiatives?
- Does the FSC ES procedure promote a **segregated** or **integrated forest management?**



