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Padova  
University  
Spin-off



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA

## Connecting Nature Enterprise Communities of Practice II

Poznan, 29-30 June 2021

### W6 - Sustainable Forestry

# CERTIFICATION OF ECOSYSTEM SERVICES AS A TOOL TO PROMOTE SUSTAINABLE FORESTRY

Alex Pra - ETIFOR – Padova University Spin-off

- 1) Forest certification beyond timber**
- 2) The FSC® Ecosystem Services Procedure**

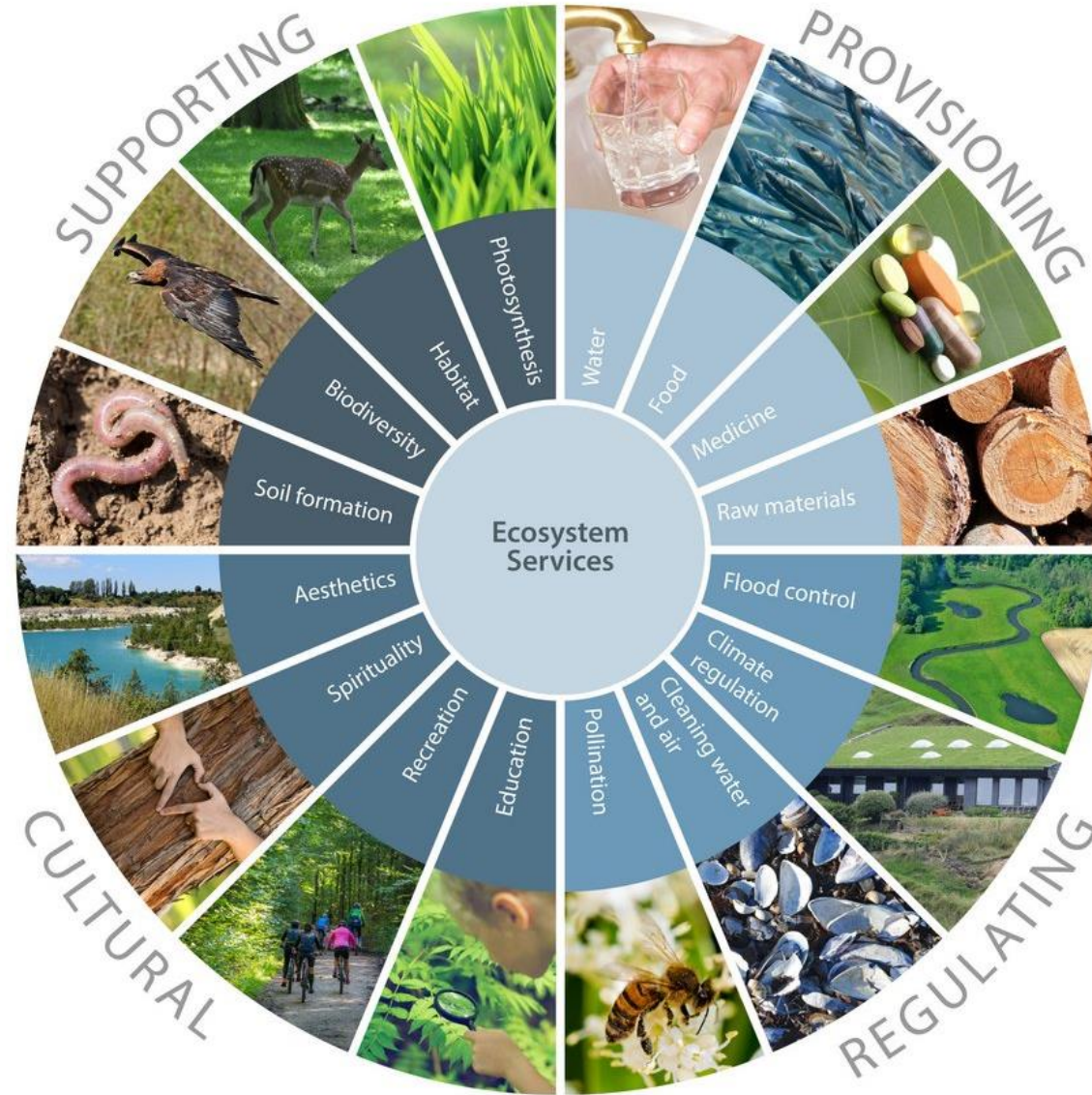


A misty forest landscape with dense green trees and a mountain peak in the background. The scene is captured from a high vantage point, looking down into a valley filled with a thick forest. The trees are lush and green, with varying shades of green indicating different types of vegetation. In the background, a mountain peak rises above a layer of white mist or fog, which partially obscures the upper slopes. The overall atmosphere is serene and somewhat ethereal due to the mist. The text "1) Forest certification beyond timber" is overlaid on the lower left portion of the image, in a white, bold, sans-serif font. A thin white vertical line is positioned to the left of the text.

# **1) Forest certification beyond timber**



**Ecosystem services:** “the benefits people obtain from ecosystems” (MAE, 2005)



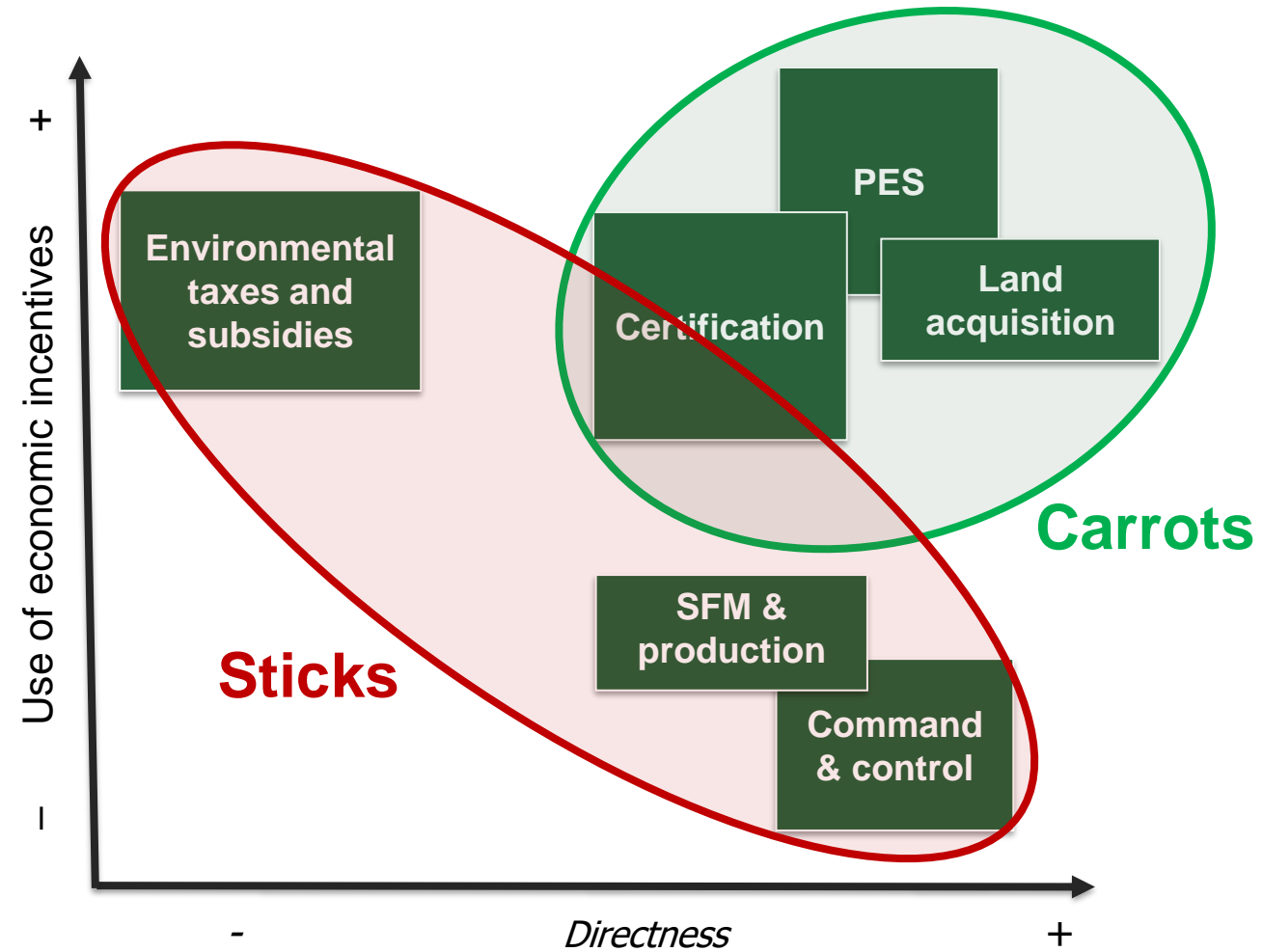
Source: [www.teebweb.com](http://www.teebweb.com)





**Valuing  
ecosystem  
services is key  
to promote  
sustainable  
forestry**

# Incentive mechanisms to conserve and enhance ecosystem services provision

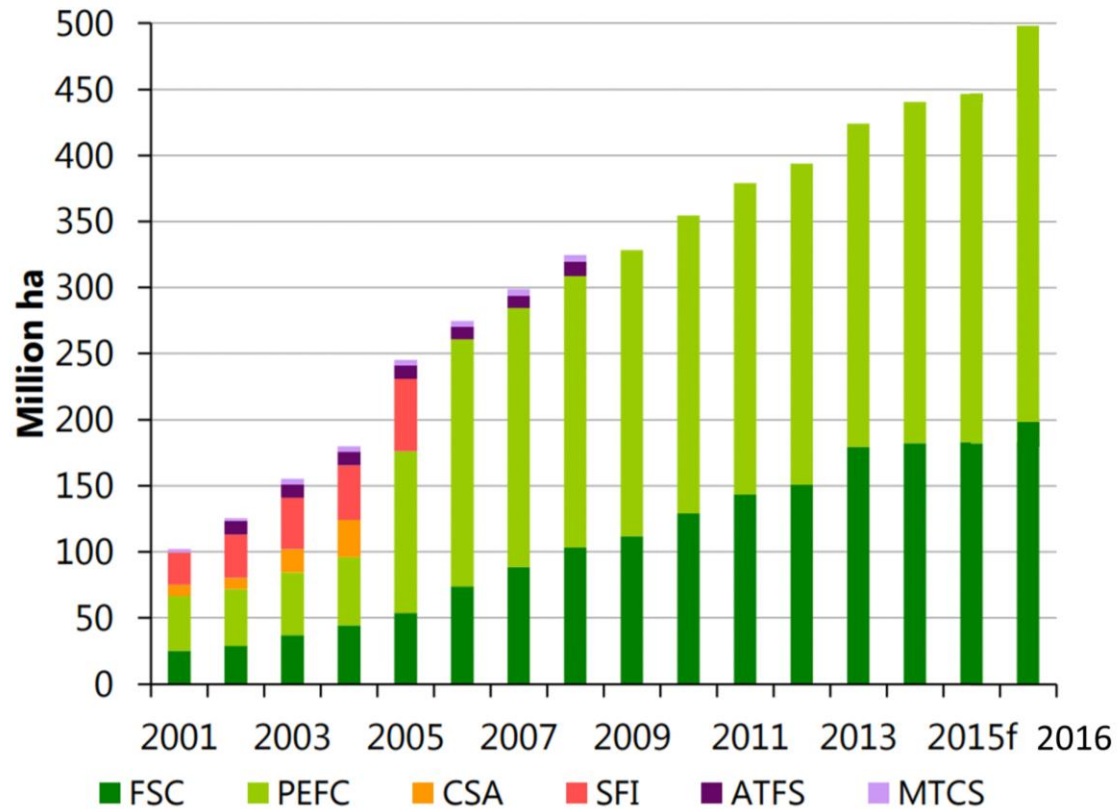


Source: Wunder (2006) modif.



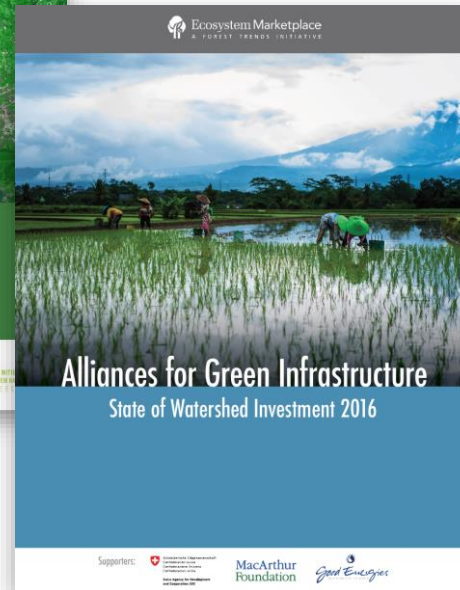
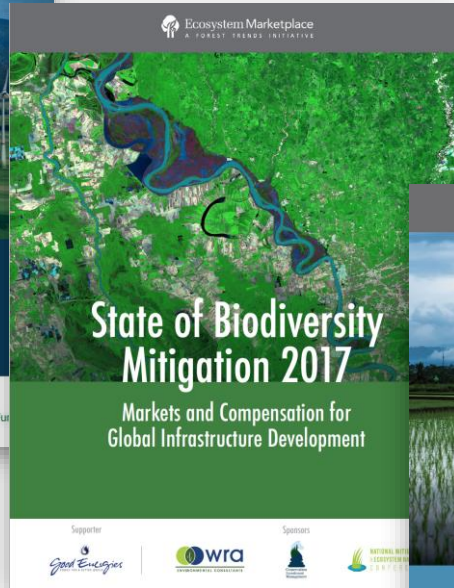
# Forest certification: the main market based instrument in the forestry sector

Cumulative forest area certified, 2001-2016



Fonte: FAO, FSC, PECF

# Forest certification moving beyond timber



Gold Standard®



<https://www.ecosystemmarketplace.com/>







## 2. The FSC® Ecosystem Services Procedure



# FSC® Certification



Forest  
Stewardship  
Council®

Standards

Value

Integrity

News & Media

Join Us

Worldwide

About Us



ES



About us

## We Are the World's Most Trusted Sustainable Forest Management Solution

As the original pioneers of forest certification, we have 25 years of experience in sustainable forest management. We use our expertise to promote the responsible management of the world's forests, bringing together experts from the environmental, economic and social spheres.

<https://fsc.org/en>

### FSC is...



#### Environmentally appropriate

forest management ensures that the harvest of timber and non-timber products maintains the forest's biodiversity, productivity, and ecological processes.



#### Socially beneficial

forest management helps both local people and society at large to enjoy long term benefits and also provides strong incentives to local people to sustain the forest resources and adhere to long-term management plans.

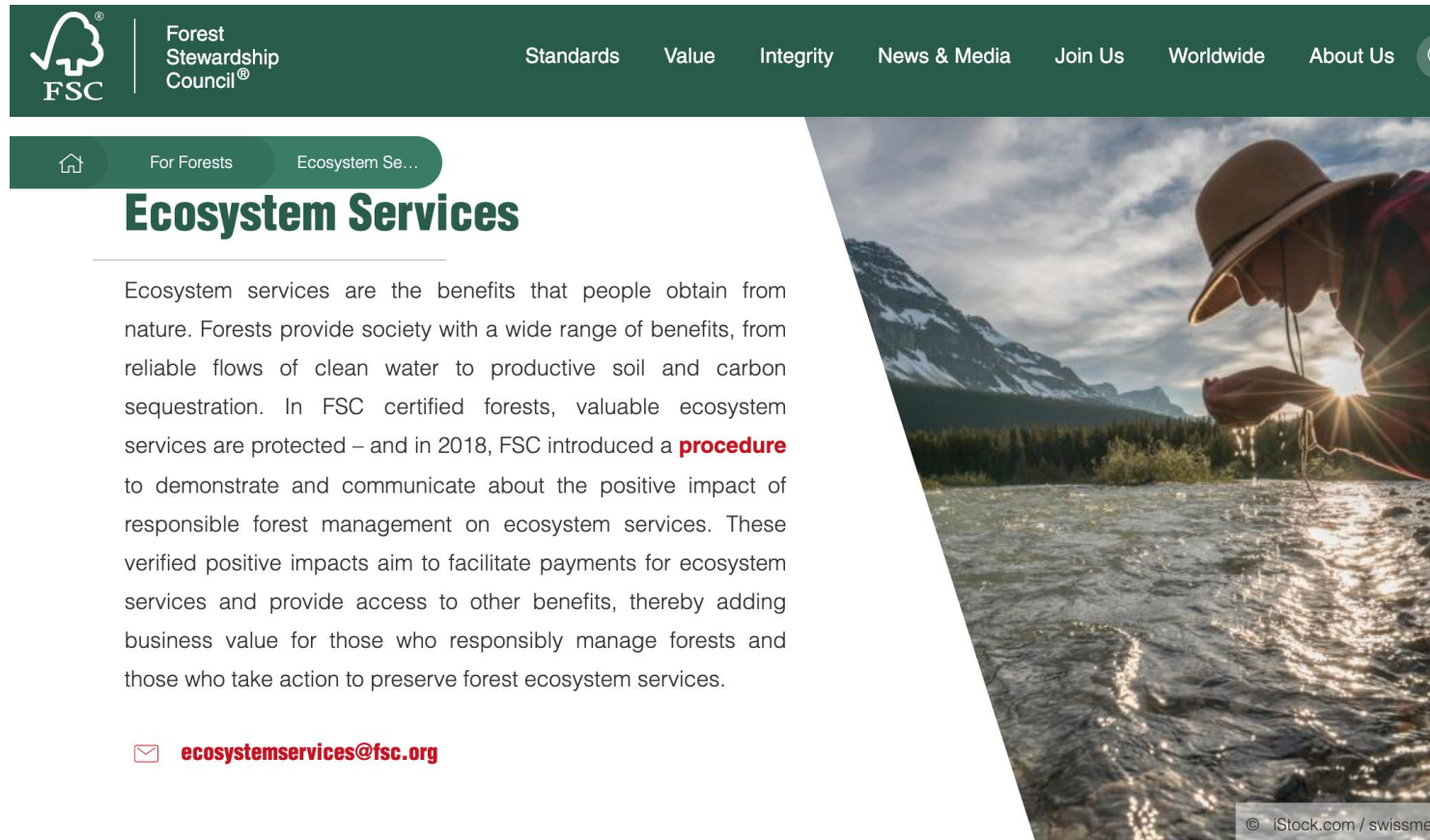


#### Economically viable

forest management means that forest operations are structured and managed so as to be sufficiently profitable, without generating financial profit at the expense of the forest resource, the ecosystem, or affected communities.



# FSC® Procedure for Ecosystem Services certification

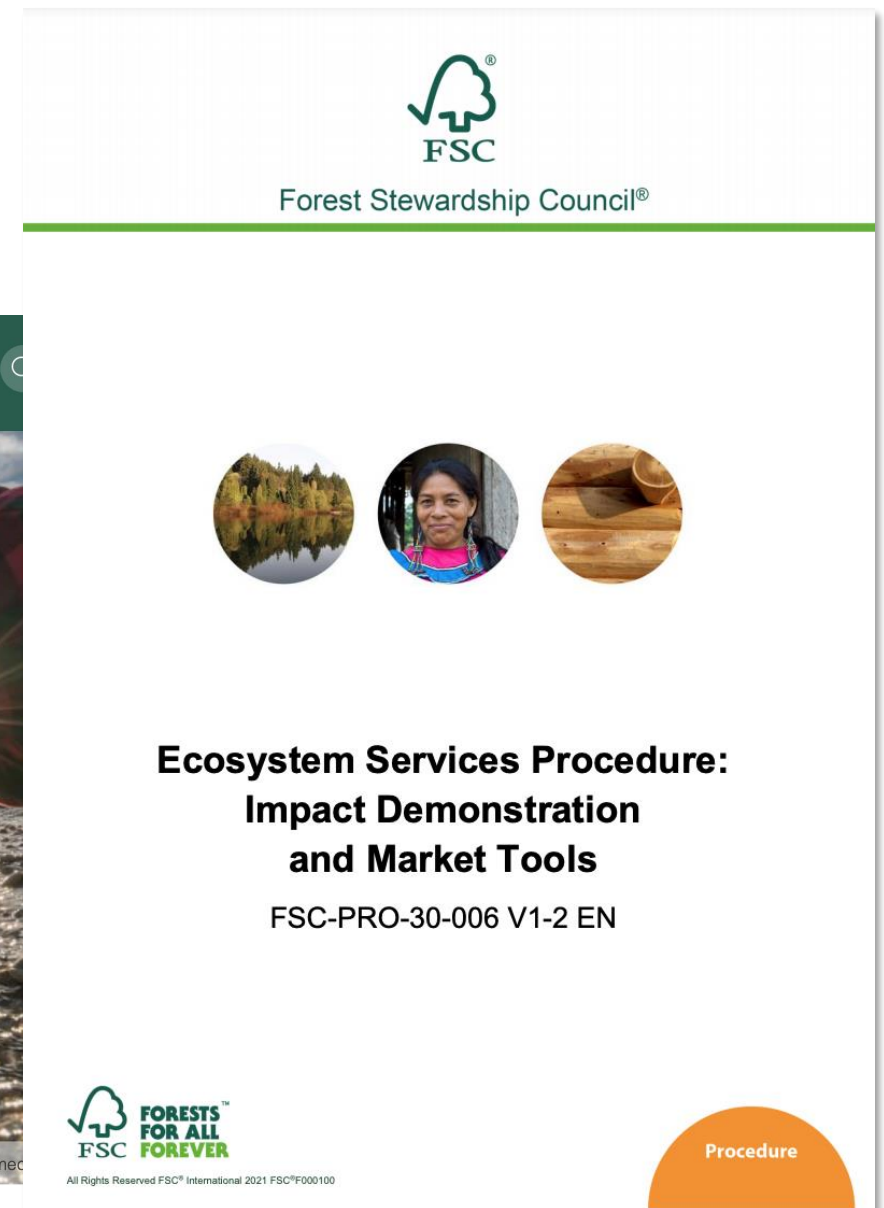


**Ecosystem Services**

Ecosystem services are the benefits that people obtain from nature. Forests provide society with a wide range of benefits, from reliable flows of clean water to productive soil and carbon sequestration. In FSC certified forests, valuable ecosystem services are protected – and in 2018, FSC introduced a **procedure** to demonstrate and communicate about the positive impact of responsible forest management on ecosystem services. These verified positive impacts aim to facilitate payments for ecosystem services and provide access to other benefits, thereby adding business value for those who responsibly manage forests and those who take action to preserve forest ecosystem services.

✉ [ecosystemservices@fsc.org](mailto:ecosystemservices@fsc.org)

<https://fsc.org/en/for-forests/ecosystem-services>



**FSC**  
Forest Stewardship Council®

**Ecosystem Services Procedure:  
Impact Demonstration  
and Market Tools**  
FSC-PRO-30-006 V1-2 EN

**FORESTS  
FOR ALL  
FOREVER**  
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Procedure



# From implicit to explicitly certified services

**Biodiversity  
conservation**



**Carbon  
sequestration  
and storage**



**Recreational  
services**



**Soil  
conservation**

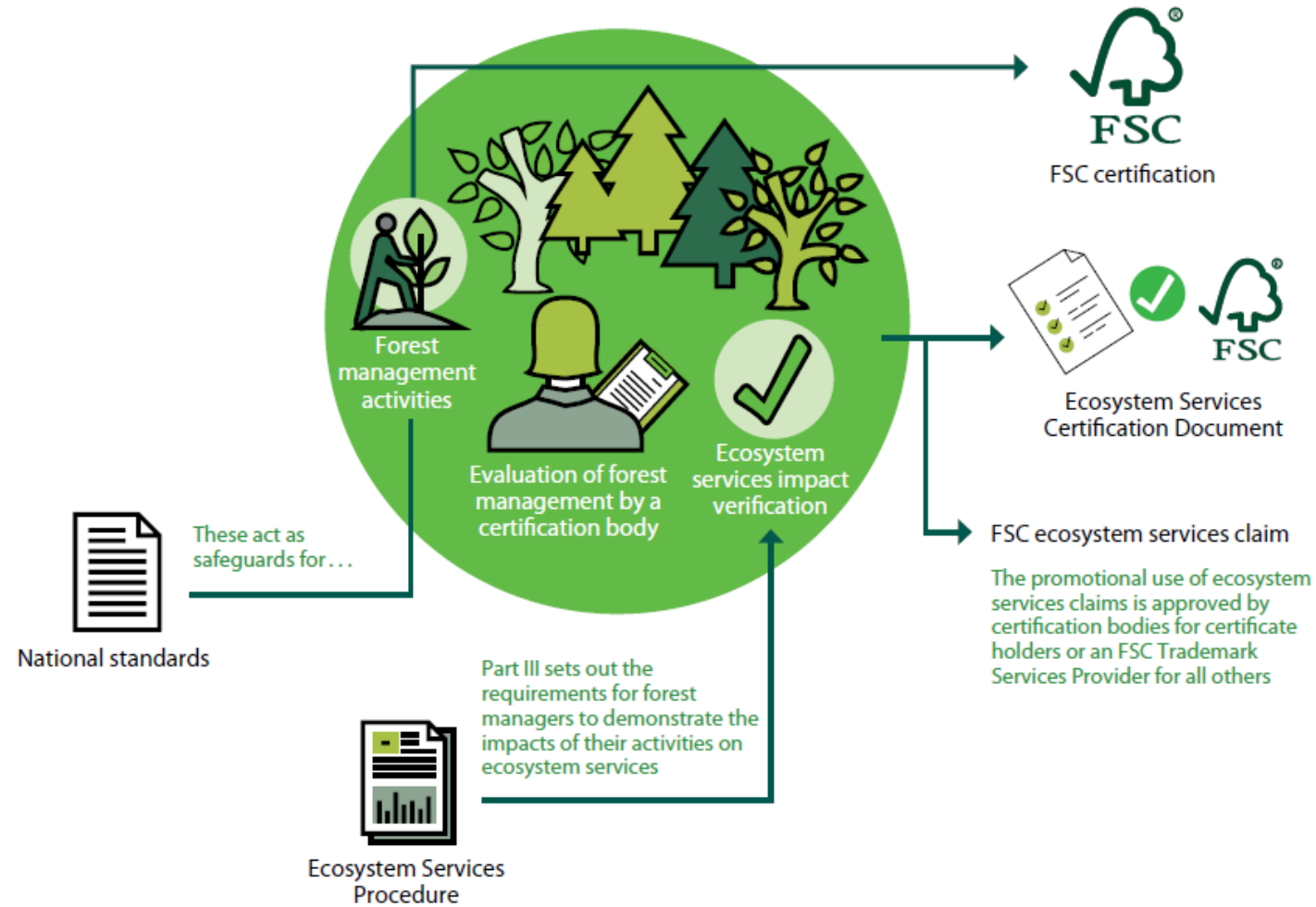


**Watershed  
services**





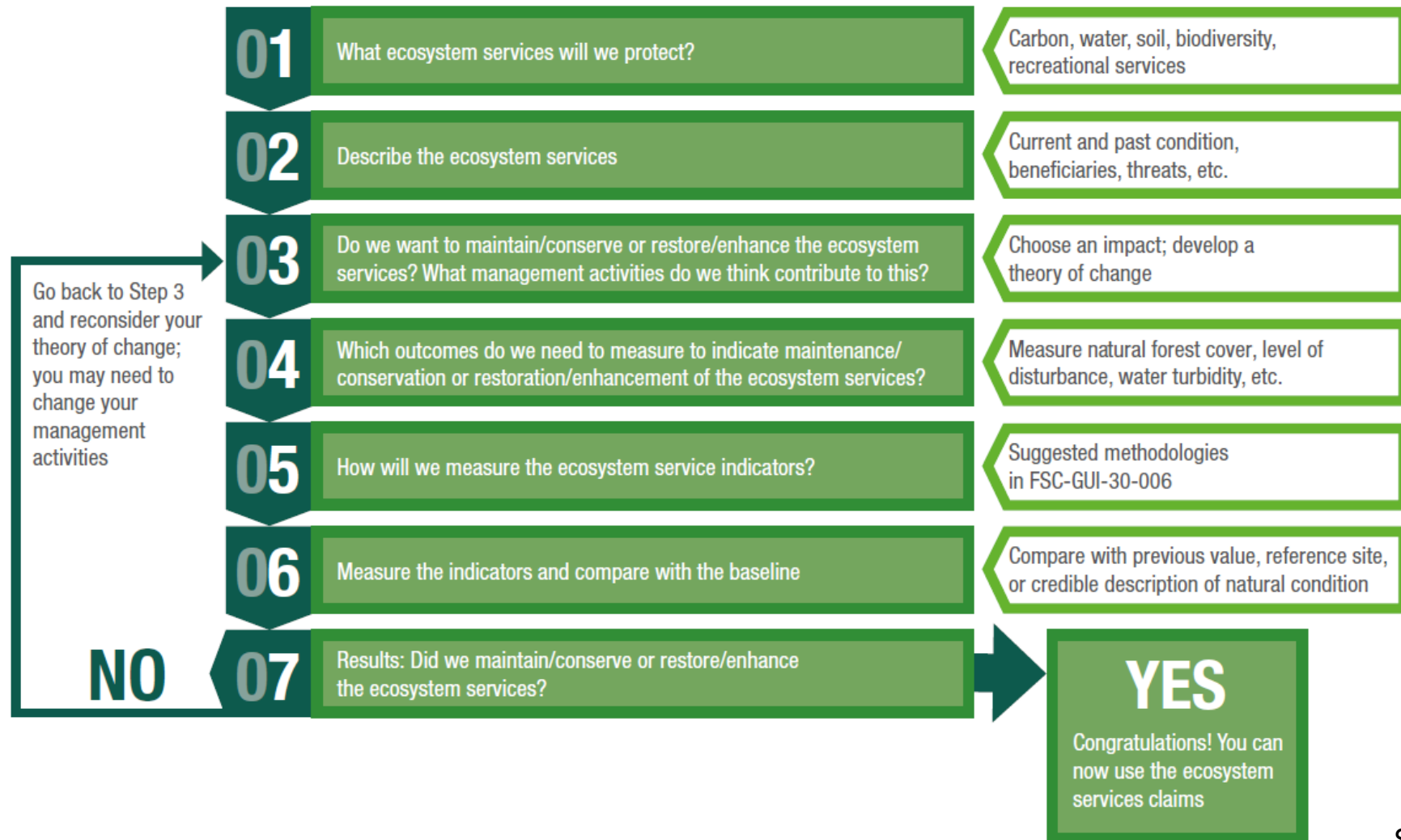
# Fit with existing FSC framework



Source: FSC International



# Seven steps towards ES claim



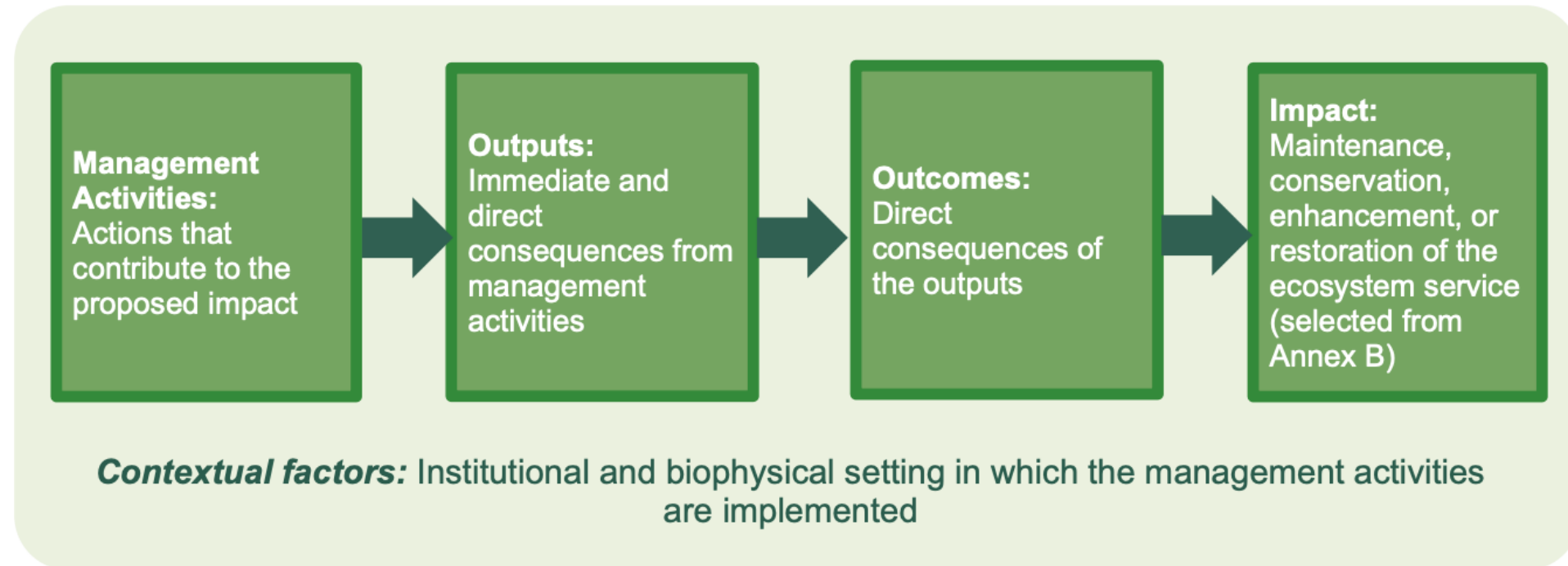
Source: FSC International





# Theory of Change

“(...) a chain of results over time that shows **how an organization expects its activities to contribute to a desired impact**”

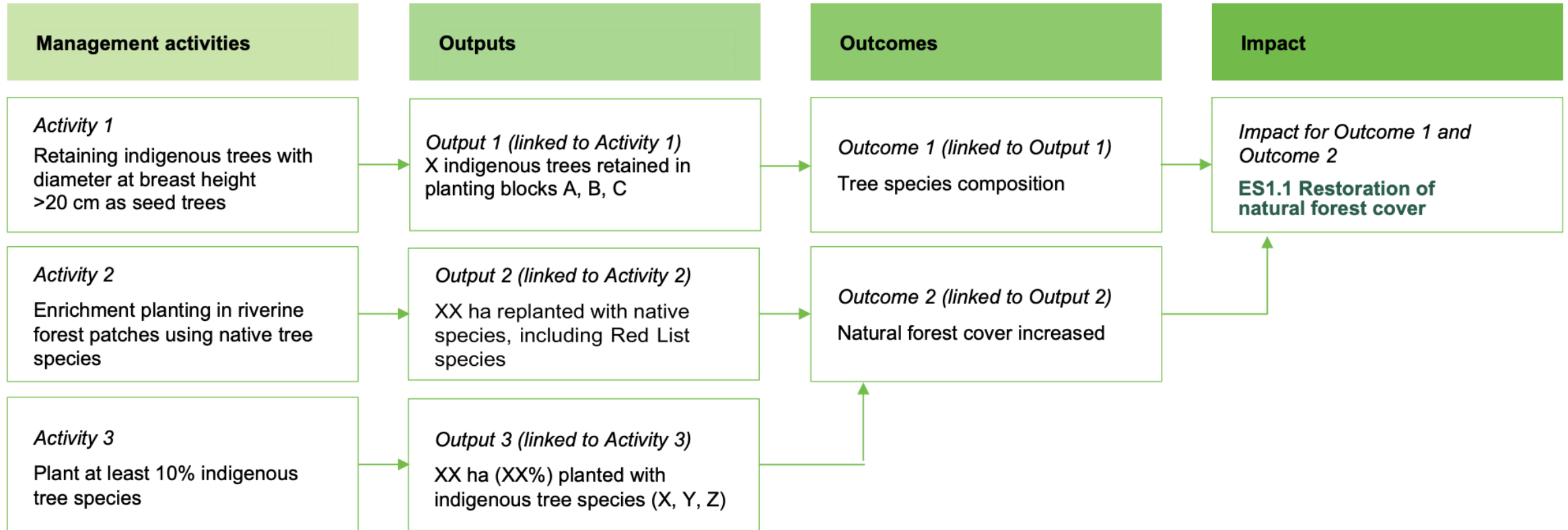


Source: FSC International



# Theory of Change: an example

## Example 1: Biodiversity conservation – ES1.1: Restoration of natural forest cover

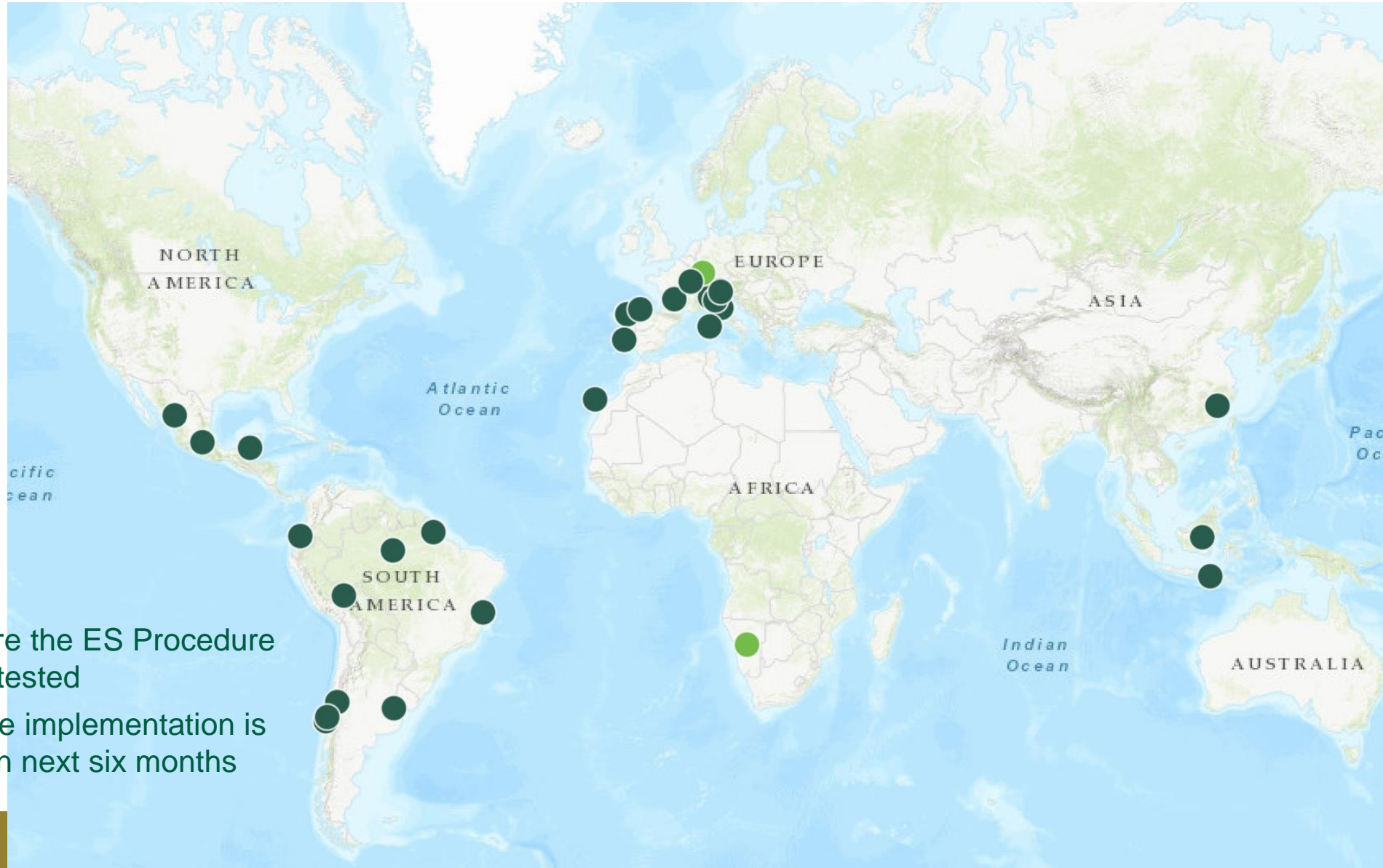


Source: FSC International





# Applications of the procedure at global level



- Sites where the ES Procedure has been tested
- Sites where implementation is expected in next six months

Source: FSC International



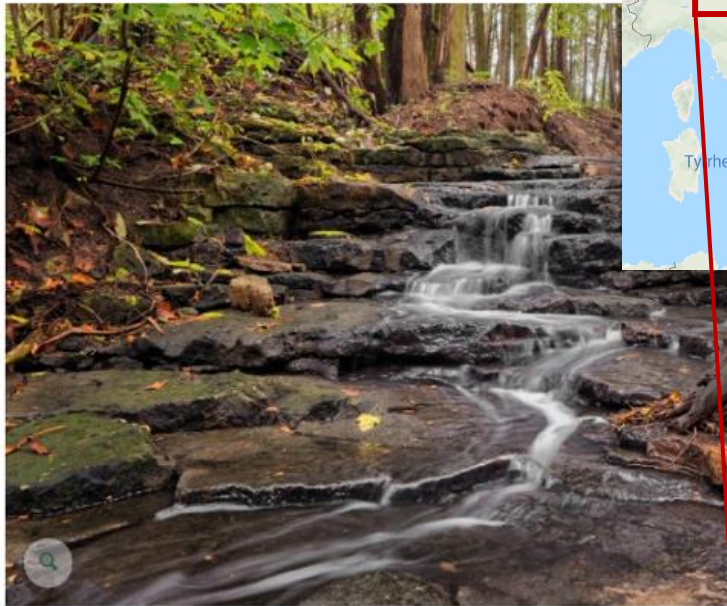
# World-first FSC ES certification for all the 5 ES

## FSC PRESS RELEASES

This section includes the latest press releases issued by FSC International.

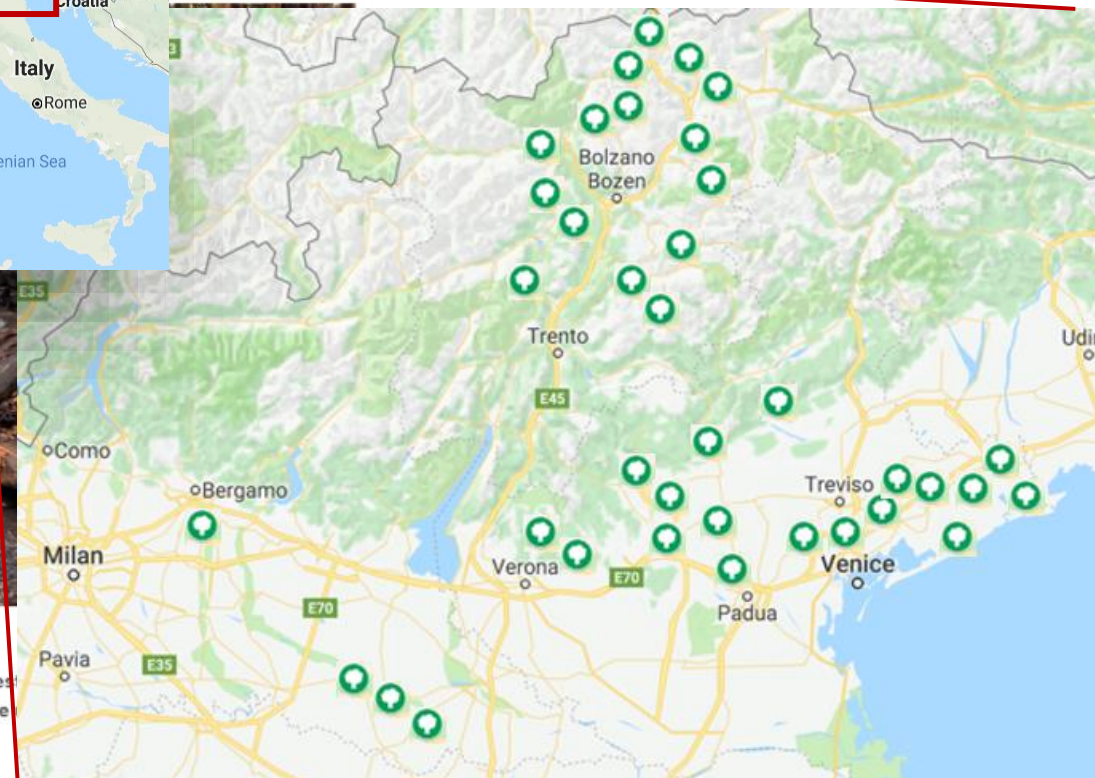
### WALDPLUS FULFILLS IMPACT VERIFICATION FOR 5 ECOSYSTEMS SERVICES

Wednesday, 27 February 2019



Ecosystem services

Rome, 27/02/2019 – Italy became the first country in the world to receive a Forest services (ES) verification fulfilling all five environmental components that make



Il marchio della  
gestione forestale  
responsabile

- 30+ smallholders
- 1,000+ ha of forests

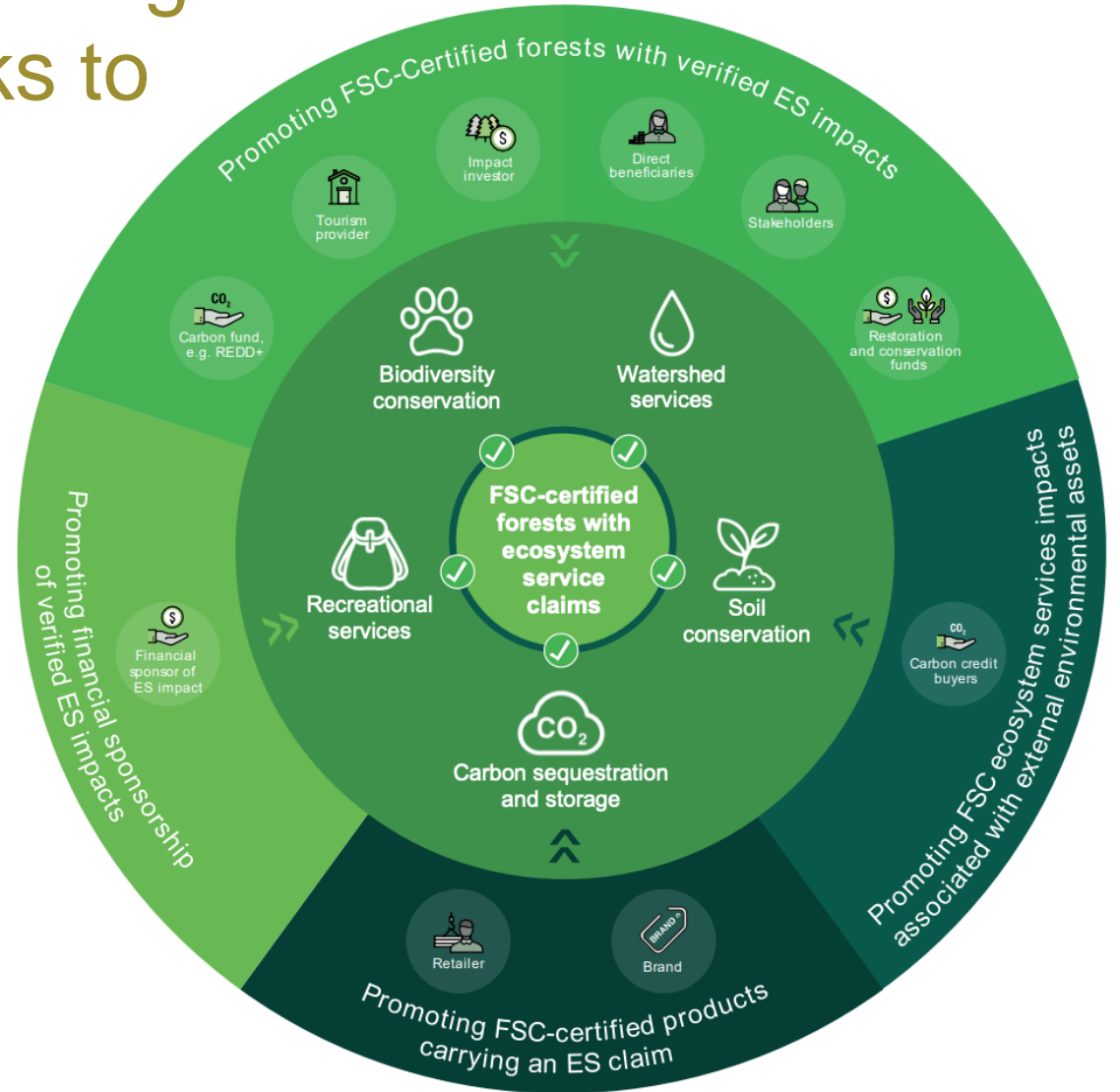
#### #Diversity

- Public owners
- Private owners
- Regional Park
- Productive forests
- Conservation forests
- Recreational forests



# Ecosystem services claims: allowing businesses to use FSC trademarks to support green marketing

- Forest managers with verified impacts can use FSC ecosystem services claims to attract rewards
- Buyers of FSC-certified products with verified impacts may promote their products with FSC ecosystem services claims
- Sponsors of verified impacts may promote their support using FSC ecosystem services claims



Source: FSC International



# Transparency: the FSC database

<https://info.fsc.org/>

FSC INTERNATIONAL   SMALLHOLDER PORTAL STAKEHOLDER PORTAL NEWSROOM RESOURCES EVENTS		English ▼
2018-12-27-AUS4-004076 ES4.3 Soil erosion AFP - Annex A.pdf	Ecosystem Services Certification Document (available on Website)	
2018-12-27-AUS4-004076 ES4.3 Soil erosion POS - Annex A.pdf	Ecosystem Services Certification Document (available on Website)	
2018-12-27-AUS4-004076 ES5.2 Recreational - Annex A.pdf	Ecosystem Services Certification Document (available on Website)	
2018-12-27-AUS4-004076M164 general data with verified impacts.pdf	Llst of participating sites/group members/FMUs (available on website)	
2019-06-22-AUR-004076 M035 Rilievi.pdf	Public Summary Report (available on website)	
2019-07-11 Rapporto Pubblico di rinnovo.pdf	Public Summary Report (available on website)	
2019-07-11-AUR-004076 M164 dati generali_general data.pdf	Public Summary Report (available on website)	
ANNEXD_InformationFinancialSponsorship_ES_July_2019.xlsx	Supplementary File (available on website)	
RT-FM-202-12 SLIMF Waldplus 004451 S1 FINAL v1.xlsx	Public Summary Report (available on website)	
RT-FM-202-12 SLIMF Waldplus 004451 S1 FINAL.xlsx	Public Summary Report (available on website)	
RT-FM-202-12 SLIMF Waldplus 2014 MA FINAL (Translated Italian).xlsx	Public Summary Report (available on website)	
RT-FM-202-13a SLIMF Waldplus (004451)_ 2017 S3 FINAL 3CARs.xls	Public Summary Report (available on website)	
RT-FM-202-13a SLIMF Waldplus (004451)_ 2017 S3 FINAL.xls	Public Summary Report (available on website)	
RT-FM-202-13a SLIMF Waldplus 004451 2016 S2 FINAL v1.xls	Public Summary Report (available on website)	
RT-FM-202-13a SLIMF Waldplus 004451 2016 S2 FINAL.xls	Public Summary Report (available on website)	





# Transparency: Annex D

## Annex D. Information regarding financial sponsorship

The template below shall be filled in by the organization (FSC forest management certificate holder) that has found a sponsor from which it will get financial support. It contains general details about both the organization and the sponsor, as well as information about the management unit, the verified impact, and the date of the agreed sponsorship.

The information provided to FSC via this template will be used to generate a transparent database of sponsorships. This form may be submitted without the name of the sponsor if the sponsor prefers to remain anonymous.

Ecosystem services impact sponsorship form	
Forest management certificate holder information	
Name of the organization	
Forest management certificate registration code	
Address	
Contact person	
Phone	
Email	
Sponsor information	
Name of the organization	
Address	
Contact person	
Phone	
Email	
Ecosystem services impacts associated with the sponsorship	
Ecosystem service	Ecosystem services impacts (list impacts and codes of verified ecosystem services impacts from Annex B)
ES1: Biodiversity conservation	
ES2: Carbon sequestration and storage	
ES3: Watershed services	
ES4: Soil conservation	
ES5: Recreational services	
Address of the management unit	
Coordinates of the management unit	
Date of sponsorship	
Additional comments	

Thank you for your attention



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**Contact:**

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