

BIOFIN Virual Workshop 18.3.2025

Sustainable Finance and Forestry Investment Criteria: an overview of EU regulations and civil society initiatives

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1

# **Outline**

- Why to invest in forests and biodiversity?
- The EU initiatives on sustainable forest finance: the EU Taxonomy
- The EFI Guidelines «Sustainable Finance and Forestry Biodiversity Criteria»
- The recent developments





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1

#### A changing financial landscape

Historically, the financial sector has allocated little capitals to forestry: limited profits from raw material production (wood) and relevance of services non-rival, non-excludable services (public goods)

→ Relatively few and often philanthropic investments (donations)

Recent developments have changed this landscape: two major drivers of an increased demand for environmental services by forests

**Demand side**: an informed civil society

Supply side: values awareness and threat of potential erosion of reputational value by companies





## An increasing number of organizations are committed to some forest-related good practices

In the field of climate

- Carbon neutral(ity)
- Zero carbon
- Climate neutral
- · Zero emissions
- GHG neutral(ity)
- Climate positive
- Carbon negative
- 1.5°C target

In the field of biodiversity protection

- Nature positive
- Biodiversity neutral(ity)
- Nature neutral(ity)

In the environmental field in general

- Net zero
- Net negative
- **Science-Based Targets** Network (SBTN) Compliance





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a push for investments including biodiversity protection, climate change mitigation and adaptation and, more recently, land restoration



Sustainable investments/ finance

TESAF Dipartimento Territorio e Sistemi Agro-Forestali



Source: EFI

## Forests: the «green infrastrucure» of Europe

 Forests are the first ecosystem at the heart of sustainable development as provider of multiple ES

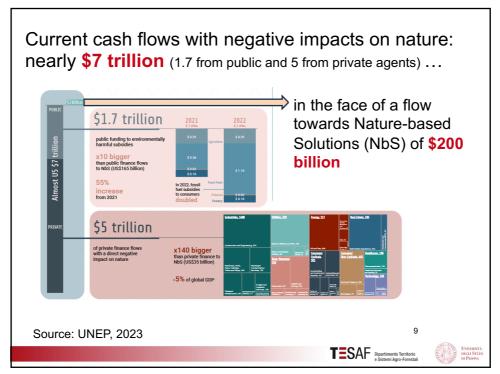


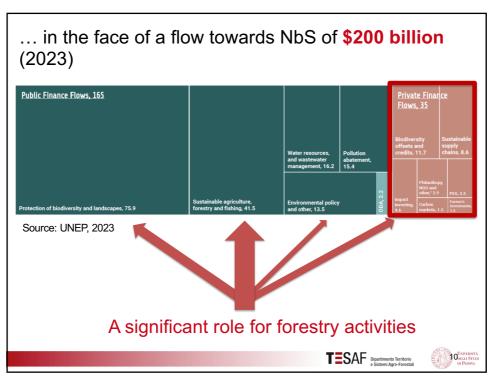
 To meet, at global level, targets related to climate change, biodiversity and land degradation, investments in NBS must triple in by 2030, and quadruple by 2050. For the EU: annual investment of at least €90 billion by 2030 in afforestation, reforestation, forest management, agroforestry and peatland restoration

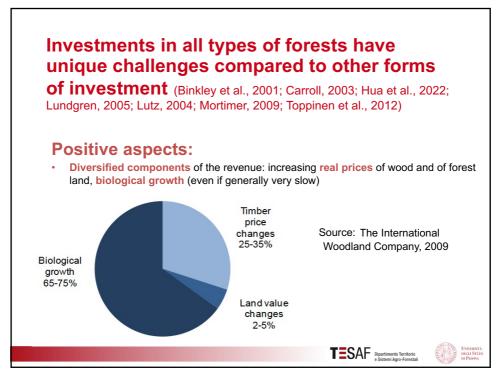
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۶







#### Investments in all types of forests have unique challenges compared to other forms

of investment (Binkley et al., 2001; Carroll, 2003; Hua et al., 2022; Lundgren, 2005; Lutz, 2004; Mortimer, 2009; Toppinen et al., 2012)

#### Positive aspects:

- Diversified components of the revenue: increasing real prices of wood and of forest land, biological growth (even if generally very slow)
- Inflation hedging forest returns are generally positively correlated with inflation
- Returns on forest investments are less correlated with returns on other financial assets → portfolio strategies
- Presence of generally positive environmental externalities; forest investments can improve green credentials → reputational value for investors

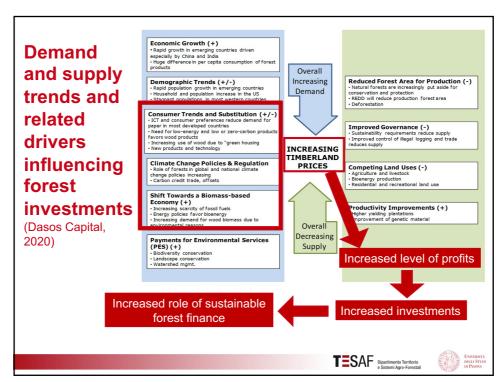
#### Negative aspects:

- Relatively long-term investments (return is linked to the growth cycle of trees)
- Presence of disruptive factors (e.g. storms, fires, pests, floods) ← more frequent extreme events
- Presence of local and international **stakeholders** → transaction costs





12



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22

# Two set of tools for solvinf the global biodiversity finance gap

- Financing green for increasing private investments into environment conservation:
  - Implementation strategies of EU Restoration Law
  - Biodiversity offsets
  - Nature-based carbon offsets
  - Biodiversity credits
  - Environmental impact bonds
  - Natural flood management
- Greening finance to increase the incentives and the attactivenes in the economy so that investors modify their patterns of investment:
  - EU taxonomy
  - CSRD
  - TNFD

Lots of mechanisms try to do both greening finance and financing green activities

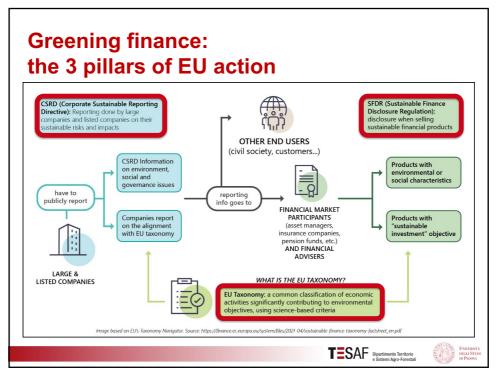
Source: WWF, 2023

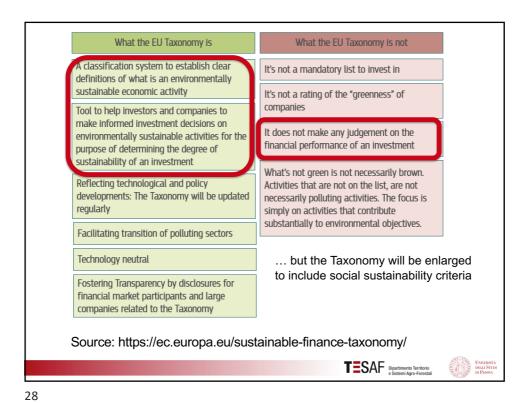
https://wwf.panda.org/discover/our focus/finance/green financial solutions/





Overview of relevant sustainable finance documents of the EU		
Publication date	Relevant policy/legislation	Description
March 2018	Action Plan on Financing Sustainable Growth (EU 2018) (COM/2018/097)	Includes ten reforms in three areas: 1) reorient capital flows towards sustainable investments, 2) mainstreaming sustainability into risk management, 3) foster transparency and long-termism in financial and economic activity.
December 2019	Sustainable Finance Disclosure Regulation (SFDR) (EU 2019) (2019/2088)	Outlines disclosure requirements to enhance transparency in sustainable investment markets; additional Regulatory Technical Standards (RTS) specify the content, methodology and presentation of the information to be disclosed.
June 2020	Taxonomy Regulation (EU 2020a) (2020/852)	Presents overarching regulation to establish the taxonomy objectives, the roles and responsibilities within the development process.
July 2021	Strategy for Financing the Transition to a Sustainable Economy (EU 2021a) (COM/2021/390)	Builds on and refines measures proposed in the 2018 Action Plan and includes transition finance activities in an enlarged taxonomy.
December 2021	Commission Delegated Regulation supplementing Article 8 of the Taxonomy Regulation (EU 2021b) (2021/2178)	Specifies the content and presentation of disclosure required in accordance with the Article 8 of the Taxonomy Regulation.
December 2021	First Delegated Act on sustainable activities for climate change adaptation and mitigation (EU 2021c) (2021/2139)	Includes TS and DNSH for the first two TR objectives; see both Annexes: climate change mitigation (Annex I) and climate change adaptation (Annex II)
December 2022	Corporate Sustainability Reporting Directive (CSRD) (EU 2022) (2022/2464) Including European Sustainability Reporting Standards (ESRS)	Strengthens reporting requirements on social and environmental information that companies have to report and revises the requirements of the Non-Financial Reporting Directive (NFRD). With the publication of the EDA in Jun 2023, the EU COM has provided new reporting standards under the CSRD called the European Sustainability Reporting Standards (ESRS) that further elaborate disclosure requirements.
June 2023	Environmental Delegated Act Regulation covering four environmental objectives (EU 2023) (2023/3851)	Includes TS and DNSH for the remaining four TR objectives; the forestry criteria have been excluded from objective 6 (protection and restoration of biodiversity and ecosystems).





# The EU Taxonomy

The Taxonomy aims to create a common set of indicators to classify sustainable economic activities.

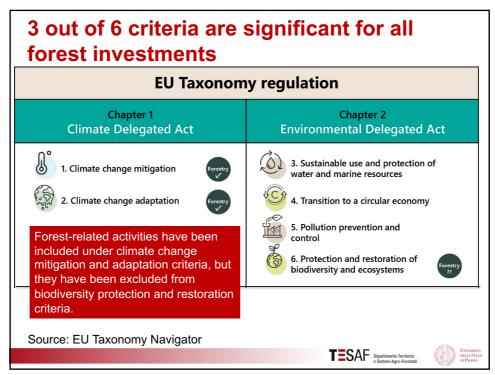
The Regulation establishes 6 environmental objectives:

- 1. climate change mitigation,
- 2. adaptation to climate change,
- 3. sustainable use and protection of water and marine resources,
- 4. transition to a circular economy,
- 5. pollution prevention and control,
- 6. protection and restoration of biodiversity and ecosystems.

The Regulation does not specify these criteria: the indicators were subsequently defined by the climate and environmental delegated acts.







# Types of forest investments according to the Taxonomy

Forest investments have been classified into 4 categories (EU Taxonomy compass):

- 1. Afforestation
- Forest restoration, including reforestation and natural regeneration of forests after an extreme event
- 3. Forest management
- 4. Conservation forestry





## The procedures for implementing the Taxonomy technical standards

- The EC (**DG FISMA**), with the support of an advisory body, has decided to develop indicators related to the 6 objectives for 13 economic activities, including forestry investments
- A Technical Expert Group (TEG) was established consisting of 35 experts who worked with different consultation tables
- → A consensus on specific criteria and indicators related to forestry was not reached





32

## What obligations must a (forest) investment undergo to be sustainable?



What do investors need to know? To be counted as "taxonomy aligned", investors need to:

1) contribute environmental objectives

2) fulfil technical criteria under that objective

3) comply with "do-no-significant-harm" (DNSH) criteria as well as

4) minimum safeguards

- 1) & 2) Contribute substantially to at least one of the 6 objectives by complying with the indicators defined in the delegated acts
- 3) Comply with the general **Do Not** Significant Harm (DNSH) criteria for the other 5 objectives
- 4) Comply with minimum criteria of social protection (not yet defined)





## **DNHS** for forestry investments

(source: Climate Delegated Act)

Detailed information for maintaining, and possibly enhancing, biodiversity:

ensuring the good conservation status of habitat and species, maintenance of typical habitat

- excluding the use or release of invasive alien species;
- excluding the use of non-native species unless it can be demonstrated that:
  - i) the use of the forest reproductive material leads to favourable and appropriate ecosystem condition (such as climate, soil criteria, and vegetation zone, forest fire resilience);
  - ii) the native species currently present on the site are not anymore adapted to projected climatic and pedo-hydrological conditions;
- ensuring the maintenance and improvement of physical, chemical and biological quality of the c)
- promoting biodiversity-friendly practices that enhance forests' natural processes; d)
- excluding the conversion of high-biodiverse ecosystems into less biodiverse ones;
- ensuring the diversity of associated habitats and species linked to the forest;
- ensuring the diversity of stand structures and maintenance or enhancing of mature stage stands and dead wood.





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Source: https://doi.org/10.36333/fs16



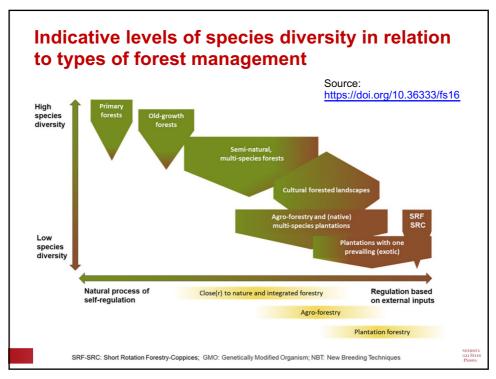
36

# Main proposals of the report

 One size-fits-all global approach should be avoided to define thresholds





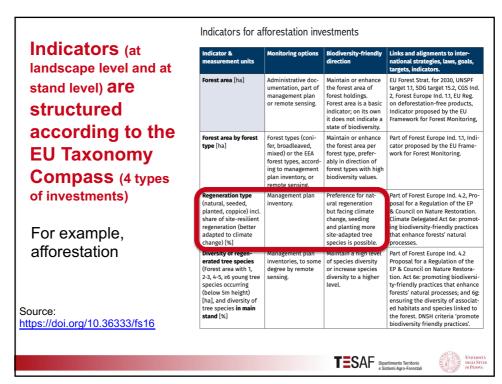


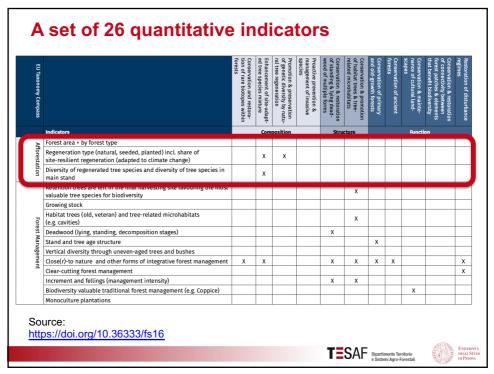
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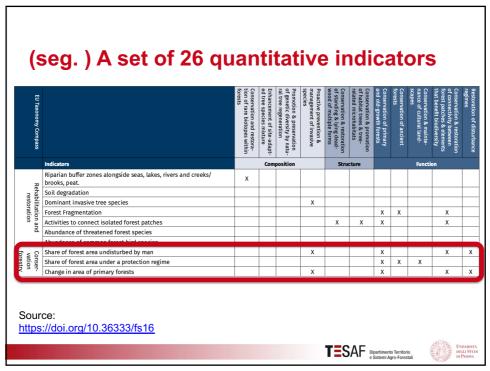
- One size-fits-all global approach should be avoided to define thresholds
- A biogeographical-specific approach should be used
- Too ambitious targets and thresholds may lead to a selective flow of investments only and will discourage potential investors
- Avoid dual approach (for investments in renewable energy and agriculture, much less stringent and selective have been selected)
- Do not exclude from sustainable finance the "early comers"
- Other integrative polices are needed: disincentivise financing deforestation and forest degradation.











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An European Forest Institute report (2022) defining concept, a providing a checklist for flexible European-wide implementation and 7 guiding principles:

- 1. Retention of habitat trees, special habitats, and dead wood
- 2. Promoting native tree species as well as site adapted non-native species
- 3. Promoting natural tree regeneration
- 4. Partial harvests and promotion of stand structural heterogeneity
- 5. Promoting tree species mixtures and genetic diversity
- 6. Avoidance of intensive management operations
- 7. Supporting landscape heterogeneity and functioning

Source: https://efi.int/publications-bank/closer-nature-forest-management





44

## EC Guidelines on Closer-to-Nature forest management (2023)

Implementing a decision of the EU Forest Strategy for 2030 and the EU biodiversity strategy, the Commission (DG ENV) developed some Guidelines on Closer-to-Nature (CTN) forest management.



Source: European Commission: Directorate-General for Environment, Guidelines on closer-to-nature forest management, Publications Office of the European Union, 2023, <a href="https://data.europa.eu/doi/10.2779/731018">https://data.europa.eu/doi/10.2779/731018</a>









#### Question for written answer E-000610/2025 to the Commission

Rule 144

Christine Schneider (PPE), Angelika Winzig (PPE), Alexander Bernhuber (PPE)

Subject: Closer-to-nature forestry initiative and the planned EU certification framework

The aim of the Commission's closer-to-nature forestry initiative is to promote sustainable forest management; but it could have far-reaching consequences because of linking in with an EU-wide certification framework. Critics see in this approach a possible circumvention of national competences in the forestry sector plus creeping centralisation. The planned certification framework might also weaken established standards such as PEFC and FSC, create additional bureaucratic burdens for businesses and make access to funding more difficult.

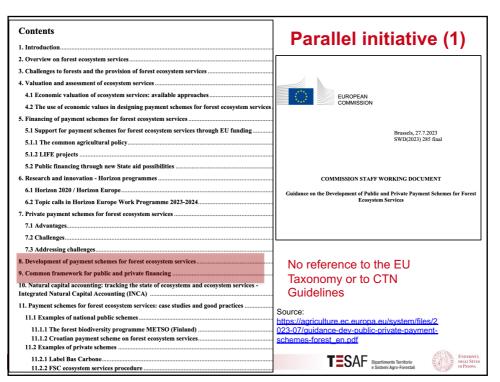
- What are the Commission's objectives with regard to the planned certification framework, and how will it be ensured that the subsidiarity principle is observed?
- What institutions or organisations are to carry out certification, and how will incorporation of existing voluntary standards such as PEFC and FSC be ensured?
- 3. Does the Commission plan to link certification in with EU funding programmes, and how will it be ensured that that does not involve an additional burden for forest holdings?

Submitted: 11.2.2025



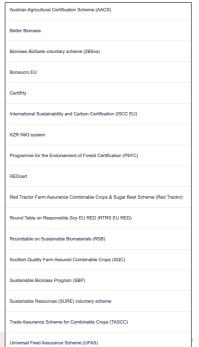


48



#### **Parallel initiative (2)**

RED (Renewable Energy Directive) standards for the certification of wood biomass for energy of sustainable origins already approved by the EC



Source:

https://energy.ec.europa.eu/topics/renewabl e-energy/bioenergy/voluntary-schemes en

50

#### Parallel initiative (3) The Carbon Removal and Carbon Farming (CRCF)

Regulation



A key issue in the ongoing discussion on setting standards is that of co-benefits: how to reconcile carbon sequestration with the provision of other ecosystem services.

> Next BIOFIN virtual meeting introduced by Nicola Andrighetto

Source: https://climate.ec.europa.eu/eu-action/carbon-removals-and-carbon-farming en





#### **Final remarks**

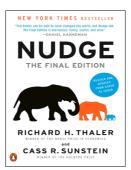
- Sustainable finance in the forestry sector: a growing sector due to a push that comes from public institutions, but also due to a spontaneous development of the market
- A growth in 2 directions: more production for the development of bioeconomy (decarbonization: bioenergy, bioplastic, biotextiles and in general new bio-chemicals) and more protection of biodiversity (the «30 x 30» Kunming-Montreal Global Biodiversity Framework, EU Biodiversity Strategy, EU NRL)
- Many parallel EC initiatives, not always coordinated and coherent
- Sustainable forest management standards: a serious risk of crowding out civil society initiatives (supported also by state and local authorities) such as FSC and PEFC: subsidiarity?





52

Sustainable forest finance: an approach consistent with the principles of "Nudges economics"?





Maybe, having so many elephants, they should be better organized!



Presentation available in www.davidepettenella.it