

Supplementary Material

Tab. S1 - List of main issues regarding the forest discourse topics in alphabetical order. It covers the key findings and summary reports and any discourse issues not addressed in the documents.

| Discourse topic | FAO (2020) Key Findings Scope: global | UNECE (2020) Key Findings Scope: 56 countries | Forest Europe (2020) Summary for Policy Makers. Scope: 45 countries | EEA (2019) Key Findings on Forestry Scope: 38 countries | Eurostat (2019) Key Findings on Forestry Scope: EU 28 countries |
|-----------------------|---|---|--|---|--|
| Climate change | <ul style="list-style-type: none"> • forest carbon stock pools for living biomass, deadwood, litter and soil organic matter | <ul style="list-style-type: none"> • forest carbon stock pools for living biomass, deadwood, litter and soil organic matter | <ul style="list-style-type: none"> • role of forests contributing to climate neutrality, climate change effects to forests and climate change adaptation activities in forests • role of forests in sequestering and storing carbon in forest and in harvested wood products • role of forests in sequestration of greenhouse gas emissions • climate change adaptation activities in connection to policy instruments | <ul style="list-style-type: none"> • case-effect relationships of climate change and forest disturbances resulting in reduced forest condition, biodiversity and productivity e.g. depositions and resulting eutrophication/ acidification; forest fires, removal of soil organic matter and resulting carbon source • role of forest in climate change mitigation/ adaptation, carbon sequestration in forests/ harvested wood products • air pollution as human-induced pressure | <ul style="list-style-type: none"> • case-effect relationships of climate change and forest disturbances and related drought, storms and fires • the role of forests in storing carbon in forest |
| | <i>Discourse issues not covered:</i> climate change; reduced emissions from deforestation and degradation (REDD); carbon dioxide emissions | | <i>Discourse issues not covered:</i> climate change; reduced emissions from deforestation and degradation (REDD); | | <i>Discourse issues not covered:</i> climate change; reduced emissions from deforestation and degradation (REDD); carbon dioxide emissions |
| Conservation | <ul style="list-style-type: none"> • forest area designated for biodiversity conservation • protected forest areas | <ul style="list-style-type: none"> • forest area designated for biodiversity conservation • protected forest areas | <ul style="list-style-type: none"> • forest area designated for biodiversity conservation • protected forest areas • landscape conservation • integrated forest management, and conservation of high value forests in the context of forest related policy instruments | <ul style="list-style-type: none"> • protected forests in connection with NATURA 2000 • forest not available for wood supply • conservation in the context of forest related policy instruments | <ul style="list-style-type: none"> • forest protection in the context of policy instruments |
| | <i>Discourse issues not covered:</i> means of protection (e.g. fines); public participation in decision making processes; human access | | | | |
| Deforestation | <ul style="list-style-type: none"> • global dimension of deforestation • in connection to deforestation rate, changes in forest area • conversion of forest land | <ul style="list-style-type: none"> • deforestation at global level and in the ECE region • in connection to deforestation rate, changes in forest area, e.g. net decrease | <ul style="list-style-type: none"> • deforestation is not mentioned but linked issues like: forest area changes; and competing land use in connection to policy instruments | <ul style="list-style-type: none"> • deforestation is addressed in the context of forest related policy instruments and in connection to degradation | <ul style="list-style-type: none"> • deforestation is not mentioned but the linked issues of conversion and land use change |

Linser S, Lier M, Bastrup-Birk A (2023).

Key information for forest policy decision-making - Does current reporting on forests and forestry reflect forest discourses?

iForest – Biogeosciences and Forestry – doi: [10.3832/ifor4457-016](https://doi.org/10.3832/ifor4457-016)

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|--|---|--|--|---|--|
| <i>Discourse issues not covered: logging companies; poverty; biodiversity loss and climate change</i> | | | | | |
| Forest biodiversity | <ul style="list-style-type: none"> • deadwood but related to carbon and growing stock • introduced species and native species in the context of plantations • natural regeneration in relation to planted forests • primary forests | <ul style="list-style-type: none"> • deadwood but related to carbon and growing stock • introduced species and native species in the context of plantations • natural regeneration in relation to planted forests | <ul style="list-style-type: none"> • diversity of tree species • regeneration • naturalness • introduced tree species • deadwood • genetic resources • protected forests • common forest bird species • integrated forest management, and preservation of high conservation value forests in the context of forest related policy instruments | <ul style="list-style-type: none"> • biodiversity loss in relation to forest fragmentation • deadwood in the context of forest management practices • common forest birds • invasive alien species' impact on forest condition • biodiversity and productivity • primary forests, virgin forests and forests undisturbed by man • biodiversity in the context of forest related policy instruments | <ul style="list-style-type: none"> • forests as major source of biodiversity • case-effect relationships of climate change, forest disturbances and invasive parasites |
| <i>Discourse issues not covered: tradable biological and genetic resources</i> | | | - | <i>Discourse issues not covered: tradable biological and genetic resources</i> | |
| Forest decline | <ul style="list-style-type: none"> • agents of forest disturbance, e.g. diseases, forest fires and insects | <ul style="list-style-type: none"> • agents of forest disturbance, e.g. diseases, forest fires and insects | <ul style="list-style-type: none"> • agents of forest disturbance and damage, e.g. air pollution, defoliation, deposition, wind, droughts, pests, fungi and fires; • soil properties trends • issues of regulating forest fires, ungulate browsing, insect outbreaks, and soil degradation are presented in connection to policy instruments | <ul style="list-style-type: none"> • agents of forest disturbance and damage, e.g. air pollution, pests, storms, deposition, diseases, insects, fungi, fires, infrastructure, tourism • case-effect relationships of climate change and forest disturbances resulting in deteriorating forest condition, biodiversity and productivity through deposition leading also to eutrophication and acidification | <ul style="list-style-type: none"> • case-effect relationships of climate change and forest disturbances and related drought, storms and fires |
| <i>Discourse issues not covered: acid-rain; depositions; pollution; forest death; forest decline</i> | | | <i>Discourse issues not covered: acid-rain; forest death; forest decline</i> | | <i>Discourse issues not covered: acid-rain; depositions; pollution; forest death; forest decline</i> |
| Illegal logging | - | - | - | - | - |
| <i>Discourse issues not covered: forest law enforcement, governance and trade (FLEGT); illegal logging; illegal timber</i> | | | | | |

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|---|---|---|--|---|---|
| Industrial Forestry/bioeconomy | <ul style="list-style-type: none"> • forest managed primarily for the production of wood • growing stock • ecosystem services • multi-use forests | <ul style="list-style-type: none"> • forest managed primarily for the production of wood • growing stock • ecosystem services • multi-use forests | <ul style="list-style-type: none"> • growing stock • ecosystem services • diversity of forest holdings • contribution of the forest sector to GDP, net revenue • investments • work force • occupational safety and health • wood consumption • trade in wood | <ul style="list-style-type: none"> • forest sector • bioeconomy related policy instruments • ecosystem services and their benefits for society in connection with employment, income, roundwood and GDP • growing stock and ecosystem services • mobilisation of wood resources • the forest -based sector as provider of novel wood-based products | <ul style="list-style-type: none"> • forest sector and related issues: e.g. employment, SMEs, GVA, harvesting/logging, wood products |
| | Discourse issues not covered: industrial forestry; bioeconomy; fast growing tree species; timber concessions; innovation; economic growth | | Discourse issues not covered: industrial forestry; bioeconomy; fast growing tree species; timber concessions; innovation | Discourse issues not covered: industrial forestry; fast growing tree species; timber concessions | Discourse issues not covered: industrial forestry; bioeconomy; fast growing tree species; timber concessions; innovation |
| Traditional knowledge | <ul style="list-style-type: none"> • cultural and spiritual sites | <ul style="list-style-type: none"> • cultural and spiritual sites | - | <ul style="list-style-type: none"> • cultural services and cultural heritage in relation to provision of forest ecosystem services | - |
| | Discourse issues not covered: indigenous peoples; local communities living in forests; traditional knowledge | | Discourse issues not covered: cultural sites; indigenous peoples; local communities living in forests; traditional knowledge | Discourse issues not covered: indigenous peoples; local communities; living in forests; traditional knowledge | Discourse issues not covered: cultural sites; indigenous peoples; local communities living in forests; traditional knowledge: |
| Woody biomass production | - | - | <ul style="list-style-type: none"> • forest biomass for energy generation in the context of policy instruments • renewable energy from wood as share of total energy consumption | <ul style="list-style-type: none"> • energy in the context of policy instruments • use of wood energy from renewable sources | <ul style="list-style-type: none"> • use of wood energy from renewable sources |
| | Discourse issues not covered: biofuel; woodfuel; energy | | | | |