

# Survey on forest damage assessment – response from Norway

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FORESTS



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UNECE/FAO Team of Specialists on monitoring  
sustainable forest management**

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# Assessment systems in Norway

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Assessment systems relevant for the survey:

- Continuous NFI
- Damage agent mitigation

These systems were used to provide data for the 2020 assessment.

# Are the systems coordinated?

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If you have more than one method that is used to generate national estimates of forest areas affected by damage, are they coordinated?

- Difficult to say. The NFI employs the international forest definition rather strictly, while for the damage agent (forest fire) mitigation just "all forests" has been indicated.

# Variables to determine damage?

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What variables determine whether or not the sampling unit is classified as damaged?

- Extent/percentage of damaged volume ;  
extent/percentage of damaged number of trees;  
extent/percentage of defoliation/discoloration
- Depending on the type of damage. Trees of no importance for the future value of the stand are normally disregarded.

# Aggregated or new damages?

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If you use information on forest damages from a sampling based NFI can you, from your existing data, report on:

- Area with damage that has occurred since the previous inventory cycle.
- Periodicity 5 years.
- From NFI data, annual damages were calculated as a moving average over a 5-year period.
- That was used to prepare annual values for FRA; no reporting for SoEF.

# Causes of damages

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From your NFI data, on which cause of damage can you report?

- Insects, Diseases, Wildlife, Domestic animals, Forest operations , Other human induced , Wind, Other abiotic (snow, avalanches, flood, land slide, drought etc.), Fire
- "Other human induced" may be estimated from an "unspecified" category.

# Recording of simultaneous damages

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Does your assessment method make it possible to separately record different damages occurring at the same time on a sampling unit?

- Yes (up to three different damages)

# Threshold of damages in the NFI

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Do you have any specific threshold(s) when qualifying damage to be reported?

- Yes. Minimum extent of damage is 5% of the total stocking of the sample plot.

Can your existing system/database allow for the application of any alternative thresholds?

- The percentage of damage is assessed for each sample plot with damage, so any threshold may be set.

# Damage agent mitigation

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Is information on damage agent mitigation applied to a forest damage assessment in your country?

- Yes

From your data obtained from damage agent mitigation survey/reports, on which cause(s) of damage can you report?

- Fire

# Forest fire statistics

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Forest fire statistics for individual years are compiled by the Directorate for Civil Protection and Emergency Planning, based on reports from local fire departments

The basic data are generally visual estimates made by the fire departments, sometimes supplemented by information from forest owner

# Threshold of damages – forest fire statistics

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Do you have any specific threshold(s) when qualifying damage to be reported?

- No

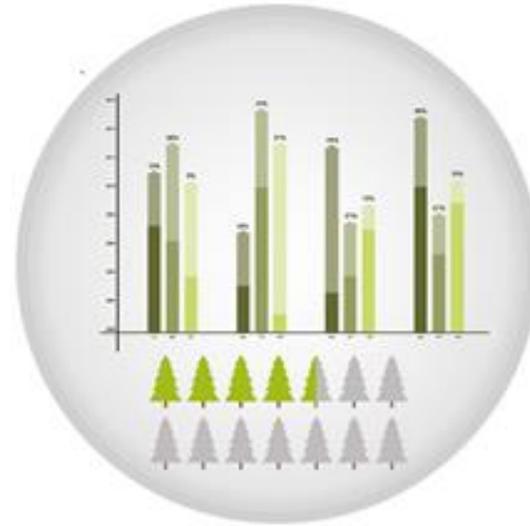
Can your existing system/database allow for the application of any alternative thresholds?

- No



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# Thank you!



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