Agenda Item 4d. iii.

Forest Damage/Disturbance Reporting in the UNECE-Region & Conclusions

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on behalf of also, Guy Robertson, USDA Roman Michalak, UNECE Stefanie Linser, BOKU Vienna Markus Melin, LUKE Andrzej Talarczyk, TAXUS Frank Koch, USDA Bastian Stahl

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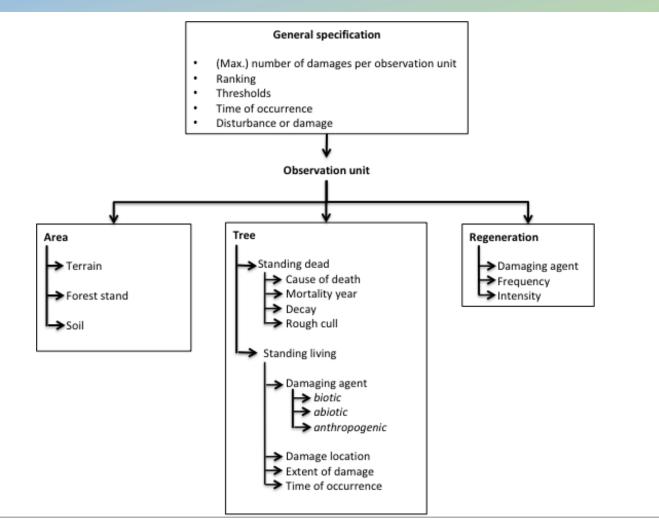


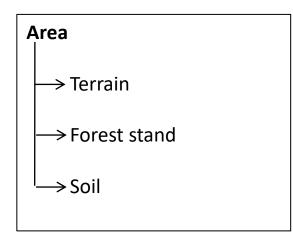
Forest Damage/Disturbance Reporting

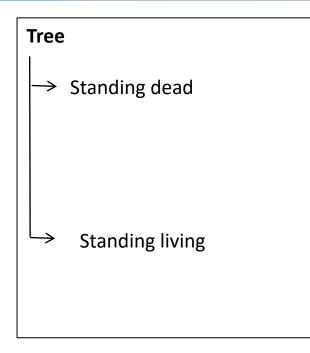
- No regular reporting activity covering the entire UNECE-region
- Central Asia and the Caucasus: country reports
- Canada: National Burned Area Composite/ Pest Strategy Information System/ Disturbance Data Foundation
- USA: Montreal Process/ USDA FIA/ Natural Interagency Fire Center/ USDA FS Forest Health Protection Program/ Resources Palnning Act Assessment/ National Report on Sustainable Forest
- Europe: State of Europe's Forests

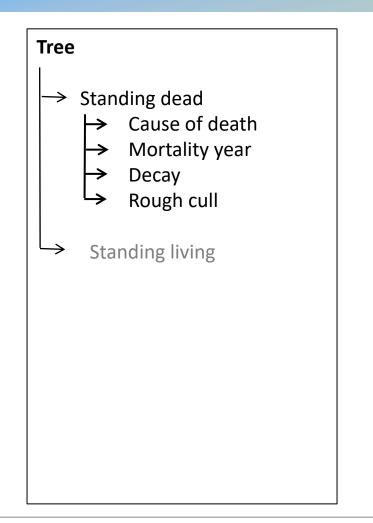
General specification

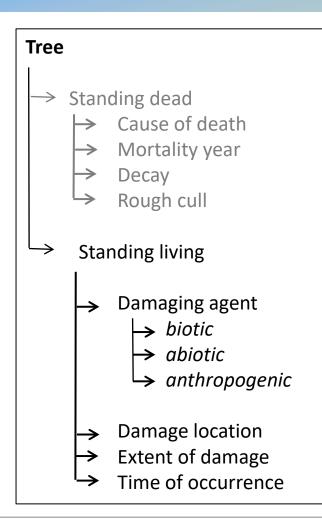
- (Max.) number of damages per observation unit
- Ranking
- Thresholds
- Disturbance or damage

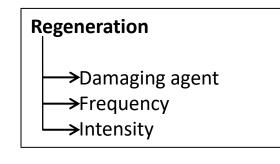












Conclusions - Principles

Respect the following principles

- Identify and promote best practices and promising technical innovations
- Foster communication between countries and international forest experts
- Build on existing reporting processes, notably FRA and C&I processes.
- Commit to an incremental process of continuous improvement focused on key variables, specific problem areas, or promising innovations.

Conclusions – General Aspects

• Concept on damage/ disturbance

reporting on damages/disturbance as a compromise

Periodicity

adjust reporting periods (FRA: provision for annual reporting)

Thresholds

use country specific thresholds; provide natl. Criteria applied; explanation in report

Double counting

distinguish between primary damage and consequential damage/ disturbance according to national approach

Conclusions – General Aspects

- Completeness versus efficiency
 - e.g. insects, weather events in more detail for cost of coverage
- Harmonization

Continue harmonization efforts International Data Providers

Time allocation of damages

Establish a uniform nomenclature for the temporal allocation of the damage/ disturbances

• Data integration

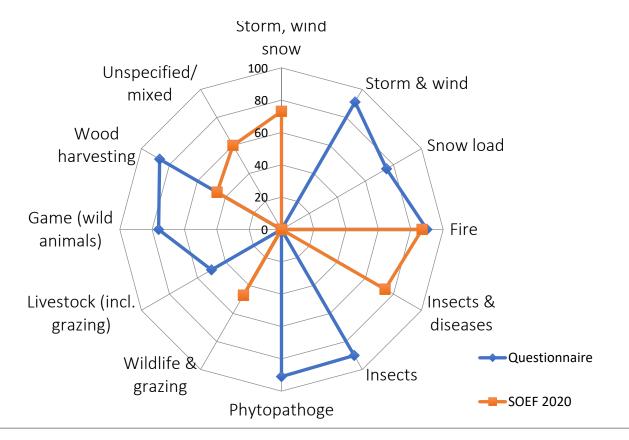
Integrate auxilliary data

Conclusions – General Aspects

- Additional attributes to be included
 - Volume of growing stock affected
 - Salvage timber (volume and value) accrued
 - Market value affected
 - Forest age of the affected area
 - Attributes related to terrain,
 - Damage/ disturbance of forest soils
 - Damage/ disturbance of regeneration
 - Status of wood decay in dead trees
 - Damage/ disturbance caused by invasive species

Conclusions – Increase Response Rates

Response rates SOEF 2020 (% Forest Area)



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Conclusions

- General principles
- General aspects
- Increase response rates
- Refine international data collection
- comprehensive review and refinement of the global and pan-European reporting on forest damage and (purpose, format, frequency, and extent)
- Consider requirements of state-of-the-art forest policy, forest management, as well as the societal demands.

Thank you

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