

|                        |   |
|------------------------|---|
| Indicator theme (old)  | <b>D Biodiversity</b>                               |
| Component (FDES)       | <b>1: Environmental Conditions and Quality</b>      |
| Sub-component (FDES)   | <b>1.2: Land Cover, Ecosystems and Biodiversity</b> |
| Indicator topic (FDES) | <b>1.2.3: Forests</b>                               |

**Indicator D-3.9 Deadwood in forest**

ID and name in indicator guidelines D3 Forests and other wooded land

First publication 10/5/2021 Latest update

Indicator definition The indicator measures the mass or volume of standing and lying deadwood per unit area of forest and other wooded land. Data can be based on nationwide statistics or sample areas.

Unit of measure Tonnes / hectare or cubic metres / hectare

Coverage Deadwood in forests and other wooded lands

Spatial aggregation National territory

Reference period End of each calendar year or nearest date within that calendar year

Update frequency Every five years

Purpose This indicator measures the amount of deadwood in forests and other wooded lands, which is indicative of both the application of biodiversity-friendly forest management practices, and the incidence of large-scale disturbance events such as storms.

Policy context Forests are among the most diverse and widespread ecosystems on earth. They have strong intrinsic values, provide multiple ecosystem services (provision of timber and other products, recreation, regulatory ecosystem services related to soil and water) to human societies, and thereby support sustainable development and human wellbeing on Earth. They also enable nature-based solutions to a wide range of challenges to Society (e. g. carbon sequestration, flood protection). The capacity of forests and wooded lands to support biodiversity conservation, provide ecosystem services and enable nature-based solutions depends on their functional resilience and therefore also on the degree to which natural forest dynamics can take their course there. Deadwood plays a crucial role for natural forest dynamics and the indicator therefore measures a key variable in this context.

Link with SDG indicators

| SDG indicators  | Comments |
|---|----------|
| 15.2.1 Progress towards sustainable forest management |          |

Policy references

| Title and weblink   | Comments |
|---|----------|
| United Nations Convention on Biological Diversity (CBD)<br><a href="https://www.cbd.int/">https://www.cbd.int/</a>  |          |
| United Nations Convention on Biological Biodiversity: First Draft of the Post-2020 Global Biodiversity Framework<br><a href="https://www.cbd.int/doc/c/914a/eca3/24ad42235033f031badf61b1/wg2020-03-03-en.pdf">https://www.cbd.int/doc/c/914a/eca3/24ad42235033f031badf61b1/wg2020-03-03-en.pdf</a>   |          |
| Communication from the Commission to the European Parliament, the Council, the European Economic and Social Committee and the Committee of the Regions.<br>EU Biodiversity Strategy for 2030. Bringing nature back into our lives.<br><a href="https://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1590574123338&amp;uri=CELEX:52020DC0380">https://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1590574123338&amp;uri=CELEX:52020DC0380</a> |          |

Communication from the Commission to the European Parliament, the Council, the European Economic and Social Committee and the Committee of the Regions New EU Forest Strategy for 2030

<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:52021DC0572>

Methodology for indicator calculation The amount (in t/ha or m<sup>3</sup>/ha) of deadwood is inventoried by ground survey in sampling plots and integrated at the national level as part of broader national forest inventories (NFIs). This comprises type classification (standing, bending, lying) and additional parameters, e. g. relating to state of decay.

#### Methodology references

| Title of the reference document                     | Link  |
|---|---|
| Supporting information on EEA indicator on deadwood | <a href="https://www.eea.europa.eu/data-and-maps/indicators/forest-deadwood-1/assessment-1">https://www.eea.europa.eu/data-and-maps/indicators/forest-deadwood-1/assessment-1</a> |

#### Data and statistics needed to compile the indicator

| ID  | Data item   | FDES topic     |
|-----|---|----------------|
| 233 | Amount of deadwood per sample area of forest and wooded lands | 1.2.3: Forests |

#### Comments