

What is guaranteed by the sustainability criteria for **BIOENERGY WITHIN THE CLEAN ENERGY PACKAGE ?**

Bioenergy, to be...

- ✓ accounted towards the overall renewable energy targets
- ✓ gain financial (public) support

need to meet the sustainability and greenhouse gas emission savings criteria irrespectively of the geographical origin

Exemptions:

- ✓ Waste & Industrial residues - only GHG criteria apply and soil quality for agricultural land to be monitored)
- ✓ Installations below 20 MW (solid biomass fuels) and 2 MW (gaseous biomass fuels) unless Member States decide otherwise

SUSTAINABILITY CRITERIA

Agricultural biomass

- ✓ Protection of highly biodiverse land
- ✓ Additional criteria in case of land use change:
 - ✓ Protection of land with high carbon stock, namely if it had the status of wetlands or continuously forested areas in 2008, but no longer has this status
 - ✓ Protection of land that was peatland in January 2008

Forest biomass

- ✓ Legality of harvesting operations
- ✓ Forest regeneration of harvested areas
- ✓ Areas designated by law for nature protection purposes including wetlands/peatlands are protected
- ✓ Minimize negative impacts on soil quality and biodiversity
- ✓ Long-term production capacity of forests is maintained or improved
- ✓ LULUCF criteria
- ✓ Risk-based approach:
 - a) Sustainability criteria are in place and enforced at national level
 - b) If not, sustainability criteria have to be ensured at sourcing area level

GREENHOUSE GAS SAVING CRITERIA

For installations in operation after:

- ✓ For biofuels, biogas and bioliquids compared to fossil fuels: 50% (before 2015), 60% (after 2015), 65% (after 2021)
- ✓ For electricity, heating and cooling production from biomass fuels: 70% (after 2021), 80% (after 2026)

SPECIFIC RULES FOR NEW ELECTRICITY-ONLY INSTALLATIONS

Only to be accounted to targets and supports if:

- ✓ not using fossil fuels as a main fuel
- ✓ 50-100 MW: meeting Best Available Technology associated energy efficiency levels or using Biomass CCS
- ✓ Above 100 MW: electrical efficiency of 36% or applying Biomass CCS