A sustainable bioenergy policy for the period after 2020

Fields marked with * are mandatory.

Introduction

EU Member States have agreed on a new policy framework for climate and energy, including EU-wide targets for the period between 2020 and 2030. The targets include reducing the Union's greenhouse gas (GHG) emissions by 40 % relative to emissions in 2005 and ensuring that at least 27 % of the EU's energy comes from renewable sources. They should help to make the EU's energy system more competitive, secure and sustainable, and help it meet its long-term (2050) GHG reductions target.

In January 2014, in its Communication on A policy framework for climate and energy in the period from 2020 to 2030,[1] the Commission stated that '[a]n improved biomass policy will also be necessary to maximise the resource-efficient use of biomass in order to deliver robust and verifiable greenhouse gas savings and to allow for fair competition between the various uses of biomass resources in the construction sector, paper and pulp industries and biochemical and energy production. This should also encompass the sustainable use of land, the sustainable management of forests in line with the EU's forest strategy and address indirect land-use effects as with biofuels'.

In 2015, in its Energy Union strategy,[2] the Commission announced that it would come forward with an updated bioenergy sustainability policy, as part of a renewable energy package for the period after 2020.

Bioenergy is the form of renewable energy used most in the EU and it is expected to continue to make up a significant part of the overall energy mix in the future. On the other hand, concerns have been raised about the sustainability impacts and competition for resources stemming from the increasing reliance on bioenergy production and use.

Currently, the Renewable Energy Directive[3] and the Fuel Quality Directive[4] provide an EU-level sustainability framework for biofuels[5] and bioliquids.[6] This includes harmonised sustainability criteria for biofuels and provisions aimed at limiting indirect land-use change,[7] which were introduced in 2015.[8]

In 2010, the Commission issued a Recommendation[9] that included non-binding sustainability criteria for solid and gaseous biomass used for electricity, heating and cooling (applicable to installations with a capacity of over 1 MW). Sustainability schemes have also been developed in a number of Member States.

The Commission is now reviewing the sustainability of all bioenergy sources and final uses for the period after 2020. Identified sustainability risks under examination include lifecycle greenhouse gas emissions from bioenergy production and use; impacts on the carbon stock of forests and other ecosystems; impacts on biodiversity, soil and water, and emissions to the air; indirect land use change impacts; as well as impacts on the competition for the use of biomass between different sectors (energy, industrial uses, food). The Commission has carried out a number of studies to examine these issues more in detail.

The development of bioenergy also needs to be seen in the wider context of a number of priorities for the Energy Union, including the ambition for the Union to become the world leader in renewable energy, to lead the fight against global warming, to ensure security of supply and integrated and efficient energy markets, as well as broader EU objectives such as reinforcing Europe's industrial base, stimulating research and innovation and promoting competitiveness and job creation, including in rural areas. The Commission also stated in its 2015 Communication on the circular economy[10] that it will 'promote synergies with the circular economy when examining the sustainability of bioenergy under the Energy Union'. Finally, the EU and its Member States have committed themselves to meeting the 2030 Sustainable Development Goals.

[1] COM(2014) 15.

[2] COM/2015/080 final.

[3] Directive 2009/28/EC of the European Parliament and of the Council of 23 April 2009 on the promotion of the use of energy from renewable sources and amending and subsequently repealing Directives 2001/77/EC and 2003/30/EC (OJ L 140, 5.6.2009, p. 16).

[4] Directive 98/70/EC of the European Parliament and of the Council of 13 October 1998 relating to the quality of petrol and diesel fuels and amending Council Directive 93/12/EEC (OJ L 350, 28.12.1998, p. 58).

[5] Used for transport.

[6] Used for electricity, heating and cooling.

[7] Biomass production can take place on land that was previously used for other forms of agricultural production, such as growing food or feed. Since such production is still necessary, it may be (partly) displaced to land not previously used for crops, e.g. grassland and forests. This process is known as indirect land use change (ILUC); see http://ec.europa.eu/energy/en/topics/renewable-energy/biofuels/land-use-change.

[8] See more details on the existing sustainability framework for biofuels and bioliquids in section 5.

[9] COM/2010/0011 final.

[10] Closing the loop – an EU action plan for the circular economy (COM(2015) 614/2).

1. General information about respondents

* 1.1. In what capacity are you completing this questionnaire?

- (●) academic/research institution
- ( ) as an individual / private person
- ( ) civil society organisation
- ( )

international organisation
- other
- private enterprise
- professional organisation
- public authority
- public enterprise

1.8. If replying as an individual/private person, please give your name; otherwise give the name of your organisation

200 character(s) maximum

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Öko-Institut e.V.
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1.9. If your organisation is registered in the Transparency Register, please give your Register ID number.

(If your organisation/institution responds without being registered, the Commission will consider its input as that of an individual and will publish it as such.)

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1.10. Please give your country of residence/establishment

- Austria
- Belgium
- Bulgaria
- Croatia
- Cyprus
- Czech Republic
- Denmark
- Estonia
- Finland
- France
- Germany
- Greece
- Hungary
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- Lithuania
- Luxembourg
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- United Kingdom
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- Other non-EU American country

* 1.11. Please indicate your preference for the publication of your response on the Commission's website:
(Please note that regardless the option chosen, your contribution may be subject to a request for access to documents under Regulation 1049/2001 on public access to European Parliament, Council and Commission documents. In this case the request will be assessed against the conditions set out in the Regulation and in accordance with applicable data protection rules.)

- (●) Under the name given: I consent to publication of all information in my contribution and I declare that none of it is subject to copyright restrictions that prevent publication.
- ( ) Anonymously: I consent to publication of all information in my contribution and I declare that none of it is subject to copyright restrictions that prevent publication.
- ( ) Please keep my contribution confidential. (it will not be published, but will be used internally within the Commission)

Perceptions of bioenergy

2.1. Role of bioenergy in the achievement of EU 2030 climate and energy objectives

Please indicate which of the statements below best corresponds to your perception of the role of bioenergy in the renewable energy mix, in particular in view of the EU's 2030 climate and energy objectives:

- ( ) Bioenergy should continue to play a dominant role in the renewable energy mix.
- ( ) Bioenergy should continue to play an important role in the renewable energy mix, but the share of other renewable energy sources (such as solar, wind, hydro and geothermal) should increase significantly.
- (●) Bioenergy should not play an important role in the renewable energy mix: other renewable energy sources should become dominant.

2.2. Perception of different types of bioenergy

Please indicate, for each type of bioenergy described below, which statement best corresponds to your perception of the need for public (EU, national, regional) policy intervention (tick one option in each line):

	Should be further promoted	Should be further promoted, but within limits	Should be neither promoted nor discouraged	Should be discouraged	No opinion
Biofuels from food crops	○	○	○	●	○
Biofuels from energy crops (grass, short rotation coppice, etc.)	○	○	○	●	○
Biofuels from waste (municipal solid waste, wood waste)	○	●	○	○	○
Biofuels from agricultural and forest residues	○	○	●	○	○
Biofuels from algae	○	○	○	●	○
Biogas from manure	○	●	○	○	○
Biogas from food crops (e.g. maize)	○	○	○	●	○
Biogas from waste, sewage sludge, etc.	○	●	○	○	○
Heat and power from forest biomass (except forest residues)	○	○	○	●	○
Heat and power from forest residues (tree tops, branches, etc.)	○	○	●	○	○

Heat and power from agricultural biomass (energy crops, short rotation coppice)	○	○	○	●	○
Heat and power from industrial residues (such as sawdust or black liquor)	○	●	○	○	○
Heat and power from waste	○	●	○	○	○
Large-scale electricity generation (50 MW or more) from solid biomass	○	○	○	●	○
Commercial heat generation from solid biomass	○	○	●	○	○
Large-scale combined heat and power generation from solid biomass	○	○	●	○	○
Small-scale combined heat and power generation from solid biomass	○	●	○	○	○
Heat generation from biomass in domestic (household) installations	○	○	●	○	○
Bioenergy based on locally sourced feedstocks	○	○	●	○	○

Bioenergy based on feedstocks sourced in the EU	○	○	◉	○	○
Bioenergy based on feedstocks imported from non-EU countries	○	○	○	◉	○
Other	○	○	○	○	○

3. Benefits and opportunities from bioenergy

3.1. Benefits and opportunities from bioenergy

Bioenergy (biofuel for transport, biomass and biogas for heat and power) is currently promoted as it is considered to be contributing to the EU's renewable energy and climate objectives, and also having other potential benefits to the EU economy and society.

Please rate the contribution of bioenergy, as you see it, to the benefits listed below (one answer per line):

	of critical importance	important	neutral	negative	No opinion
Europe's energy security: safe, secure and affordable energy for European citizens	○	○	◉	○	○
Grid balancing including through storage of biomass (in an electricity system with a high proportion of electricity from intermittent renewables)	○	◉	○	○	○
Reduction of GHG emissions	○	○	◉	○	○
Environmental benefits (including biodiversity)	○	○	○	◉	○
Resource efficiency and waste management	○	◉	○	○	○
Boosting research and innovation in bio-based industries	○	○	◉	○	○

Competitiveness of European industry	○	○	◉	○	○
Growth and jobs, including in rural areas	○	○	◉	○	○
Sustainable development in developing countries	○	○	○	◉	○
Other	○	○	○	○	○

3.2. Any additional views on the benefits and opportunities from bioenergy? Please explain

2500 character(s) maximum

Benefits from biomass can be higher when used as materials instead of energy use. For example animal fat (e.g. waste) and vegetable oil (e.g. palm oil) can be converted to bio-naphtha. Bio-naphtha can directly be used in chemical processes instead of fossil naphtha (this is already practiced by BASF). Also woody materials can be well used as substrates for different material uses. In consequence, the energetic use of cropped biomass and even biomass from waste can not only compete against food production but also against more beneficial material uses. In consequence, the bioenergy policy should be integrated in an over-all policy for the bio-economy, keeping in mind food security, material use first and energy use as a last use (if possible at the end of cascades).

4. Risks from bioenergy production and use

4.1. Identification of risks

A number of risks have been identified (e.g. by certain scientists, stakeholders and studies) in relation to bioenergy production and use. These may concern specific biomass resources (agriculture, forest, waste), their origin (sourced in the EU or imported) or their end-uses (heat, electricity, transport).

Please rate the relevance of each of these risks as you see it (one asnwer per line):

	critical	significant	not very significant	non-existent	No opinion
Change in carbon stock due to deforestation and other direct land-use change in the EU	○	◉	○	○	○
Change in carbon stock due to deforestation and other					

direct land-use change in non-EU countries	◉	○	○	○	○
Indirect land-use change impacts	◉	○	○	○	○
GHG emissions from the supply chain (e.g. cultivation, processing and transport)	○	◉	○	○	○
GHG emissions from combustion of biomass ('biogenic emissions')	○	○	◉	○	○
Impacts on air quality	○	◉	○	○	○
Impacts on water and soil	○	◉	○	○	○
Impacts on biodiversity	◉	○	○	○	○
Varying degrees of efficiency of biomass conversion to energy	○	◉	○	○	○
Competition between different uses of biomass (energy, food, industrial uses) due to limited availability of land and feedstocks and/or subsidies for specific uses	◉	○	○	○	○
Internal market impact of divergent national sustainability schemes	○	◉	○	○	○
Other	○	○	○	○	○

4.2. Any additional views on the risks from bioenergy production and use? Please explain

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Highest risks are related to the availability of land (land use rights, land
grabbing), competition with other biomass uses (increasing land use pressure,
increasing indirect effects) and loss of biodiversity mainly due to conversion
of habitats.
The EU-policy should focus on:
- respecting the limits of sustainably available biomass for bioenergy,
keeping in mind competition with other biomass sectors (food, materials), but
also sustainability requirements in forestry (sufficient amout of dead wood
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and old tress) and agriculture (reducing cropping intensity to protect e.g.
water bodies and soil carbon leading to lower yields), as well as areas needed
for the restauration of biodiversity.
- respecting social restrictions related to land use
- implementing an overall strategy for the use of biomass
- increasing the efficiency of bioenergy use
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5. Effectiveness of existing EU sustainability scheme for biofuels and bioliquids

In 2009, the EU established a set of sustainability criteria for biofuels (used in transport) and bioliquids (used for electricity and heating). Only biofuels and bioliquids that comply with the criteria can receive government support or count towards national renewable energy targets. The main criteria are as follows:

- Biofuels produced in new installations must achieve GHG savings of at least 60 % in comparison with fossil fuels. In the case of installations that were in operation before 5 October 2015, biofuels must achieve a GHG emissions saving of at least 35 % until 31 December 2017 and at least 50 % from 1 January 2018. Lifecycle emissions taken into account when calculating GHG savings from biofuels include emissions from cultivation, processing, transport and direct land-use change;
- Biofuels cannot be grown in areas converted from land with previously (before 2008) high carbon stock, such as wetlands or forests;
- Biofuels cannot be produced from raw materials obtained from land with high biodiversity, such as primary forests or highly biodiverse grasslands.

In 2015, new rules[1] came into force that amend the EU legislation on biofuel sustainability (i.e. the Renewable Energy Directive and the Fuel Quality Directive) with a view to reducing the risk of indirect land-use change, preparing the transition to advanced biofuels and supporting renewable electricity in transport. The amendments:

- limit to 7 % the proportion of biofuels from food crops that can be counted towards the 2020 renewable energy targets;
- set an indicative 0.5 % target for advanced biofuels as a reference for national targets to be set by EU countries in 2017;
- maintain the double-counting of advanced biofuels towards the 2020 target of 10 % renewable energy in transport and lay down a harmonised EU list of eligible feedstocks; and
- introduce stronger incentives for the use of renewable electricity in transport (by counting it more towards the 2020 target of 10 % renewable energy use in transport).

[1] Directive (EU) 2015/1513 of the European Parliament and of the Council of 9 September 2015 amending Directive 98/70/EC relating to the quality of petrol and diesel fuels and amending Directive 2009/28/EC on the promotion of the use of energy from renewable sources (OJ L 239, 15.9.2015, p. 1).

5.1. Effectiveness in addressing sustainability risks of biofuels and bioliquids

In your view, how effective has the existing EU sustainability scheme for biofuels and bioliquids been in addressing the risks listed below? (one answer per line)

	effective	partly effective	neutral	counter-productive	No opinion
GHG emissions from cultivation, processing and transport	○	●	○	○	○
GHG emissions from direct land-use change	○	●	○	○	○
Indirect land-use change	○	○	○	●	○
Impacts on biodiversity	○	○	○	●	○
Impact on soil, air and water	○	○	○	●	○

Any additional comments?

2500 character(s) maximum

Sustainability:
The existing sustainability requirements have been effective for direct land use, but only for the defined land of high biodiversity, land of high carbon stock and drainage of peatland. The protection of soil, water and social aspects have not been addressed (only reporting requirements). Agricultural practices are only addressed within the EU, but not in third countries. Sustainability requirements for forest management are not addressed at all. The requirements only apply to biofuels and liquid biomass, but not to gaseous and solid biomass, leading to bizarre situations (e.g. liquid biomass in the electricity sector has to follow the sustainability requirements, but not biogas use for electricity).
With respect to the protection of biodiversity and the extension of the requirements to solid biomass the current Art. 17 of the RED ignores highly biodiverse forests (e.g. species-rich secondary forests that are no longer primary forests). This means that highly biodiverse forests could be converted to non-biodiverse forests and tree plantations (e.g. Teak). Also highly biodiverse marine systems (algae production) are not covered in the RED.
The post-2020 sustaianbility policy need to be reconstructed and need to cover:
- highly biodiverse areas in a generic manner. Here the definitions/decision on highly biodiverse grassland would be a good starting point,
- natural areas in general (not only primary forests and natural grassland),
- including requirements for soil, water and social aspects,
- including requirements for agricultural and forestry management practices in the EU and in third countries.

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Indirect effects:
The activities of the COM are a step in the right direction, especially as all
types of energy crops are covered and not only starch and oil cops. In
general, this approach can help to lower the competition for land. However,
substrates for advanced biofuels may cause a loss of biodiversity and of soil
health (e.g. forest residues). Also wastes etc. may be more efficient
resources for material use.
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5.2. Effectiveness in promoting advanced biofuels

In your view, how effective has the sustainability framework for biofuels, including its provisions on indirect land-use change, been in driving the development of 'advanced' biofuels, in particular biofuels produced from ligno-cellulosic material (e.g. grass or straw) or from waste material (e.g. waste vegetable oils)?

- ○ very effective
- ◉ effective
- ○ neutral
- ○ counter-productive
- ○ no opinion

What additional measures could be taken to further improve the effectiveness in promoting advanced biofuels?

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- maintain the approaches decided/implemented in 2015 also after 2020.
- critical review, which substrates for advanced biofuels are of low risk for
biodiversity, soil and water as well as for competition with other sectors and
uses.
- promoting much stronger the use of renewable electricity (excluding
bioenergy) in transport.
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5.3. Effectiveness in minimising the administrative burden on operators

In your view, how effective has the EU biofuel sustainability policy been in reducing the administrative burden on operators placing biofuels on the internal market by harmonising sustainability requirements in the Member States (as compared with a situation where these matter would be regulated by national schemes for biofuel sustainability)?

- ○ very effective
- ◉ effective
- ○ not effective
- ○ no opinion

What are the lessons to be learned from implementation of the EU sustainability criteria for biofuels? What additional measures could be taken to reduce the administrative burden further?

2500 character(s) maximum

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It has been shown that the implementation of a binding certification system is
possible and effective.
Extending the requirements to more elaborated sustainability criteria and
other sectors would result in strong benefits and in low /no increase of
further burden.
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5.4. Deployment of innovative technologies

In your view, what is needed to facilitate faster development and deployment of innovative technologies in the area of bioenergy? What are the lessons to be learned from the existing support mechanisms for innovative low-carbon technologies relating to bioenergy?

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6. Effectiveness of existing EU policies in addressing solid and gaseous biomass sustainability issues

6.1. In addition to the non-binding criteria proposed by the Commission in 2010, a number of other EU policies can contribute to the sustainability of solid and gaseous bioenergy in the EU. These include measures in the areas of energy, climate, environment and agriculture.

In your view, how effective are current EU policies in addressing the following risks of negative environmental impacts associated with solid and gaseous biomass used for heat and power? (one answer per line)

	effective	partly effective	neutral	counter-productive	No opinion
Change in carbon stock due to deforestation, forest degradation and other direct land-use change in the EU	○	○	○	◉	○
Change in carbon stock due to deforestation, forest degradation and other direct land-use change in non-EU countries	○	○	○	◉	○

Indirect land-use change impacts	○	○	○	◉	○
GHG emissions from supply chain, e.g. cultivation, processing and transport	○	○	○	◉	○
GHG emissions from combustion of biomass (‘biogenic emissions’)	○	○	○	◉	○
Air quality	○	○	○	◉	○
Water and soil quality	○	○	○	◉	○
Biodiversity impacts	○	○	○	◉	○
Varying degrees of efficiency of biomass conversion to energy	○	○	○	◉	○
Competition between different uses of biomass (energy, food, industrial uses) due to limited availability of land and feedstocks	○	○	○	◉	○
Other	○	○	○	○	○

6.2. Any additional views on the effectiveness of existing EU policies on solid and gaseous biomass? Please explain

2500 character(s) maximum

The non-binding character as proposed by the COM did simply not work. Post-2020, all types of bionergy need to be covered in the sustainability policy.

The post-2020 bioenergy sustainability policy should not differentiate between liquid, solid and gaseous biomass because there are smooth transition pathways between these three types, especially when looking at 2nd generation bioenergy. We propose to use a single definition for all biomass, including bioenergy.

Proposal:
‚bioenergy‘ means solid, liquid and gaseous fuels produced from biomass and used in transport, electricity and heating and cooling.

7. Policy objectives for a post-2020 bioenergy sustainability policy

7.1. In your view, what should be the key objectives of an improved EU bioenergy sustainability policy post-2020? Please rank the following objectives in order of importance: most important first; least important 9th/10th (you can rank fewer than 9/10 objectives):

	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
Contribute to climate change objectives	○	●	○	○	○	○	○	○	○	○
Avoid environmental impacts (biodiversity, air and water quality)	●	○	○	○	○	○	○	○	○	○
Mitigate the impacts of indirect land-use change	○	○	●	○	○	○	○	○	○	○
Promote efficient use of the biomass resource, including efficient energy conversion	○	○	○	○	●	○	○	○	○	○
Promote free trade and competition in										

the EU among all end-users of the biomass resource	○	○	○	○	○	○	◉	○	○	○
Ensure long-term legal certainty for operators	○	○	○	○	○	○	○	◉	○	○
Minimise administrative burden for operators	○	○	○	○	○	○	○	○	○	◉
Promote energy security	○	○	○	○	○	○	○	○	◉	○
Promote EU industrial competitiveness, growth and jobs	○	○	○	○	○	◉	○	○	○	○
Other	○	○	○	◉	○	○	○	○	○	○

Please specify the "other" choice

200 character(s) maximum

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Avoid negaive social impacts (food security, land use rights, human rights,
land grabbing, etc.)
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7.2. Any other views? Please specify

2500 character(s) maximum

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As stated above, the post-2020 sustainability policy needs to be reconstructed
and shall cover:
1) binding sustainabillity for biodiversity:
--> highly biodiverse areas in a generic manner. Here the definitions/decision
on highly biodiverse grassland would be a good starting point.
--> natural areas in general (not only primary forests and natural grassland)
2) binding sustainabillity requirements for soil, water and social aspects
3) binding sustainabillity requirements for agricultural and forestry
management practices in the EU and in third countries

Furthermore, biofuel targets need to be embedded in an over-all bioeconomy
strategy, including a regular review on the availability of sustainable
feedstocks for food, feed, material use and bioenergy (analysis of historical
data and modelling; additional task for the reporting). In case of shortage of
the availability of sustainable feedstocks, biofuel targets need to be
reduced.
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8. EU action on sustainability of bioenergy

8.1. In your view, is there a need for additional EU policy on bioenergy sustainability?

- ○ No: the current policy framework (including the sustainability scheme for biofuels and bioliquids, and other EU and national policies covering solid and gaseous biomass) is sufficient.
- ○ Yes: additional policy is needed for solid and gaseous biomass, but for biofuels and bioliquids the existing scheme is sufficient.
- ○ Yes: additional policy is needed on biofuels and bioliquids, but for solid and gaseous biomass existing EU and national policies are sufficient.
- ◉ Yes: a new policy is needed covering all types of bioenergy.

8.2. In your view, and given your answers to the previous questions, what should the EU policy framework on the sustainability of bioenergy include? Please be specific

5000 character(s) maximum

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As stated above in more detail, post-2020 bioenergy policy needs to include:
- a generic set of binding biodiversity requirements (see proposal below)
- binding sustainabillity requirements for soil, water and social aspects
- binding sustainabillity requirements for agricultural and forestry
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management practices in the EU and in third countries (see proposal for forest management below)
- flexibile bioenergy targets that depend on the availability on sustainable bioenergy feedstocks and that are embedded in an overall bioeconomy strategy

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Proposal for a generic set of binding biodiversity requirements (Art. 17.3 of the RED):

Bioenergy taken into account for the purposes referred to in points (a), (b) and (c) of paragraph 1 shall not be made from raw material obtained from land with high biodiversity value, namely land that had one of the following statuses in or after January 2008, whether or not the land continues to have that status:
[Comment: original text oft he RED, using the term bioenergy]

a) primary land, namely areas of native species, where there is no clearly visible indication of human activity and the ecological processes are not significantly disturbed;
[Comment 2: Covering primary forests, highly biodiverse natural grassland and other primary areas like wetlands and marine areas. Definition adopted from the current definition for primary forests. No use allowed.]

b) areas designated:
(i) [keep the origin text from Art. 17.3(b)]
(ii) [keep the origin text from Art. 17.3(b)]

c) Highly biodivers land
(i) that is species-rich [definition from COMMISSION REGULATION (EU) No 1307/2014 Art. 1 (4c)] and
(ii) not degraded [definition from COMMISSION REGULATION (EU) No 1307/2014 Art. 1 (4b)]
unless evidence is provided that the production of that raw material did not interfere with the preservation of the species richness nor with the protection of rare, threatened or endangered ecosystems or species.
[Comment: This definition includes highly biodiverse grasslands and highly biodiverse forests, but also highly biodiverse wetlands, marine areas and others. The criteria „species-rich“ and “not degraded” are well defined in COMMISSION REGULATION (EU) No 1307/2014 Art. 1 (4b+c).]

Proposal to integratgrate sustainable forest management unter the RED:

Bioenergy taken into account for the purposes referred to in points (a), (b) and (c) of paragraph 1 shall be obtained in accordance with a sustainable forest management, namely when coming from
(a) continuously forested areas covered under Art. 17.4(b);
(b) areas covered under 17.4(c), unless unless evidence is provided that the carbon stock of the area before and after conversion is such that, when the

methodology laid down in part C of Annex V is applied, the conditions laid down in paragraph 2 of this Article would be fulfilled.
(c) Sustainable forest management means, that management practices
(i) do not result in an over-use or degradation of forest resources and
(ii) do ensure and enhance species richness and the protection of rare, threatened or endangered ecosystems or species recognised by international agreements or included in national lists or lists drawn up by intergovernmental organisations or the International Union for the Conservation of Nature.

The commission shall specify criteria [and indicator] for sustainable forest management according to geographical regions. Those measures, designed to amend non-essential elements of this Directive, by supplementing it shall be adopted in accordance with the regulatory procedure with scrutiny referred to in Article 25(4).
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9. Additional contribution

Do you have other specific views that could not be expressed in the context of your replies to the above questions?

5000 character(s) maximum

The requirements set up for bioenergy should not only apply for bioenergy, but also for food, fodder and material use of biomass as an important element of an overall bioeconomy strategy.

Finally, you may upload here any relevant documents, e.g. position papers, that you would like the European Commission to be aware of.

d771d3f3-4093-4fdd-821e-d8859fcdf195/02__KO_HFR_ILN_UNIQUE__2013__BfN-Biodiv-Ziele_Vorschl_g
f659a349-3242-4e3f-8041-99ec1b746787/OEKO_ILN_HFR__2013__Abschlussbericht_Biodiv-Ziele_BfN_F

Thank you for participation to the consultation!

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