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 and will also organise a dedicated stakeholder conference on 13 April 2016.

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
- yublic authority
- public enterprise

1.2. If you are a private or public enterprise, could you please indicate your principal business sector?

- Agriculture
- Automotive
- Biotechnology
- Chemicals
- Energy
- Food
- Forestry
- Furniture
- Mechanical
- Engineering
- Other
- Printing
- Pulp and Paper
- Woodworking

1.3. If you are a private or public enterprise, could you please indicate the size of your company?

(Medium-sized enterprise: an enterprise that employs fewer than 250 persons and whose annual

turnover does not exceed EUR 50 million or whose annual balance-sheet total does not exceed EUR 43 million.

Small enterprise: an enterprise that employs fewer than 50 persons and whose annual turnover and/or annual balance-sheet total does not exceed EUR 10 million.

Micro-enterprise: an enterprise that employs fewer than 10 persons and whose annual turnover and/or annual balance-sheet total does not exceed EUR 2 million.)

- large enterprise
- medium-sized enterprise
- small enterprise
- micro-enterprise
- 🔍 I don't know

1.4. If you are a professional organisation, which sector(s) does your organisation represent?

- Agriculture
- Automotive
- Biotechnology
- Chemicals
- Energy
- Food
- Forestry
- Furniture

- Mechanical Engineering
- Other
- Printing
- Pulp and Paper
- Woodworking

1.5. If you are a professional organisation, where are your member companies located?

- Austria
- 🔲 Belgium
- 🔲 Bulgaria
- Croatia
- Cyprus
- Czech Republic
- Denmark
- Estonia
- Finland
- France
- Germany
- Greece
- Hungary
- Ireland
- 🔲 Italy
- Latvia
- 🔲 Lithuania
- Luxembourg
- 🔲 Malta
- Netherlands
- Poland
- Portugal
- Romania
- Slovakia
- Slovenia
- Spain
- Sweden
- United Kingdom
- non-EU country(ies)

1.6. If you are a civil society organisation, please indicate your main area of focus.

- Agriculture
- Energy
- Environment & Climate
- Other
- Technology & Research

1.7. If you are a public authority, can you define more specifically your area of competence?

- Mational government
- national parliament
- regional government
- regional parliament
- local authority
- governmental agency
- other

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

200 character(s) maximum

Government of The Netherlands

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.)

200 character(s) maximum

1.10. Please give your country of residence/establishment

- Austria
- Belgium
- 🔘 Bulgaria
- Croatia
- Cyprus
- Czech Republic
- Denmark
- Estonia
- Finland
- France
- Germany
- Greece
- Hungary
- Ireland
- Italy
- 🔘 Latvia
- 🔍 Lithuania
- Luxembourg
- 🔍 Malta
- Metherlands

- Poland
- Portugal
- Romania
- Slovakia
- Slovenia
- Spain
- Sweden
- United Kingdom
- Other non-EU European country
- Other non-EU Asian country
- Other non-EU African country
- 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 $^{\odot}$ 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:

 \bigcirc 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	0	0	8	0	0
Biofuels from energy crops (grass, short rotation coppice, etc.)	Ø	2	0	ø	ø
Biofuels from waste (municipal solid waste, wood waste)	ø	~	0	ø	Ø
Biofuels from agricultural and forest residues	Ø	8	O	©	ø
Biofuels from algae	ø	V	0	0	0
Biogas from manure	ø	4	0	0	0
Biogas from food crops (e.g. maize)	Ø	8	0	ø	0
Biogas from waste, sewage sludge, etc.	K	0	0	0	0
Heat and power from forest biomass (except forest residues)	Ø	2	O	0	Ø
Heat and power from forest residues (tree	O	V	O	ø	0

tops, branches, etc.)					
Heat and power from agricultural biomass (energy crops, short rotation coppice)	0	8	0	ø	ø
Heat and power from industrial residues (such as sawdust or black liquor)	0	8	0	ø	ø
Heat and power from waste	0	6	0	Ø	Ø
Large-scale electricity generation (50 MW or more) from solid biomass	Ø	4	©	ø	ø
Commercial heat generation from solid biomass	0	6	0	ø	ø
Large-scale combined heat and power generation from solid biomass	0	~	0	0	ø
Small-scale combined heat and power generation from solid biomass	Ø	8	ø	Ø	ø
Heat generation from biomass in domestic (household) installations	0	6	Ø	0	ø
Bioenergy based on locally					

sourced feedstocks	Ø	6	0	0	Ø
Bioenergy based on feedstocks sourced in the EU	0	6	ø	ø	Ø
Bioenergy based on feedstocks imported from non-EU countries	0	8	ø	ø	ø
Other	8	0	0	0	0

200 character(s) maximum

A widely accepted sustainability framework (including social, economic and ecological criteria) for all kinds of biomass and all applications, not only energy, is needed. Criteria regarding (local) air quality are important especially for small scale installations with high emissions in residential areas. Sustainability should be promoted, including biomass cascading and the waste hierarchy. For transport the transition to electricity is promoted as renewable source of energy, biofuels from food crops should not be stronger promoted than current level. The current situation in which sustainability criteria differ for each type of biomass, region or application, leads to uncertainty and high costs. For more information see our Strategic Vision Biomass 2030, Dutch sustainability criteria for solid biomass for energy purposes and summary of the Dutch Energy Report 2015.

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	0	V	Ø	0	ø

Grid balancing including through storage of biomass (in an electricity system with a high proportion of electricity from intermittent renewables)	0	2	0	0	Ø
Reduction of GHG emissions	6	O	0	0	0
Environmental benefits (including biodiversity)	ø	0	8	0	ø
Resource efficiency and waste management	0	8	0	0	0
Boosting research and innovation in bio-based industries	0	4	0	0	0
Competitiveness of European industry	0	6	0	0	0
Growth and jobs, including in rural areas	0	8	0	0	0
Sustainable development in developing countries	0	8	0	0	0
Other	6	Ô	Ô	O	O

200 character(s) maximum

Other: In order to become climate neutral as agreed in Paris COP21, we need negative emissions and bio-energy with Carbon Capture and Storage (CCS) is a necessary means for that. In some cases bio energy can also have positive environmental benefits (e.g. biomass production on degraded lands).

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

2500 character(s) maximum

The use of all types of bioenergy can develop the bio-based economy further. From direct burning or to adding value before burning. Stimulating commodity creation from agricultural and forestry waste flows because the abundance of small flows that vary in composition do not meet the demand for uniform flows from the energy and industrial sectors. Both technological aspects (such as conversion technology) and organisational aspects (such as the relevant level of spatial scale, the establishment of consortia, and how costs and benefits are to be apportioned) are important. For more information see our Strategic Vision for Biomass 2030.

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,

	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	Ø	6	0	Ô	O
Change in carbon stock due to deforestation and other direct land-use change in non-EU countries	0	6	Ø	0	0
Indirect land-use change impacts	0	6	0	0	0
GHG emissions from the supply chain (e.g. cultivation, processing and transport)	0	V	0	0	0
GHG emissions from combustion of biomass ('biogenic emissions')	0	-	Ø	0	Ø
Impacts on air quality		0	0	0	0
Impacts on water and soil	0		0	0	0
Impacts on biodiversity	\odot	0	0	0	0
Varying degrees of efficiency of biomass conversion to energy	ø	Ø	V	Ø	Ø

Competition between different uses of biomass (energy, food, industrial uses) due to limited availability of land and feedstocks and/or subsidies for specific uses	O		0	©	ø
Internal market impact of divergent national sustainability schemes	0	8	0	ø	0
Other	0	0	0	0	O

200 character(s) maximum

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

2500 character(s) maximum

Currently there is no general sustainability framework for different types of biomass. This depends on many factors such as location and application. Additional criteria, including quality assurance, can be formulated for biomass flows that are encouraged by the government and for biomass flows that have a high risk of causing negative sustainability effects. Note that for the promotion of fuels from waste as an alternative for crop fuels, in case of import from outside the EU we have to rely on the legal waste framework of other countries. Even more it should be emphasized that waste management and supervision is needed to control the environmental impact of waste treatment, which makes it less attractive for a material to be marked as waste. However to avoid the deliberately use of a "waste claim" on a product, there is an need for supervision. On Indirect Land Use Change (iLUC) risks, we are currently implementing the ILUC-Directive to mitigate a part of these risks.

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	V	0	Ø	0	0
GHG emissions from direct land-use change		0	0	ø	Ø
Indirect land-use change	0	0	0	6	0
Impacts on biodiversity	0	0	O	8	0
Impact on soil, air and water	0	ø	0	8	ø

Any additional comments?

2500 character(s) maximum

The existing sustainability scheme for biofuels is in some cases counter-productive, for example because of the promotion of conventional biofuels. Therefore we supported the current ILUC-Directive and are working on its implementation. The GLOBIOM-report, that is carried out on behalf of DG Energy shows that a maximal cap of 7% for conventional biofuels is not very effective in reduction of especially the indirect GHG emissions. Stronger measures are needed to reduce these GHG-emissions, i.e. by stimulating ILUC-mitigation measures. Indirect land use change can have a large impact on local biodiversity, soil and water quality. It is not yet clear whether the ILUC-Directive and its implementation in Member States is effective, also in countries where the biofuels are produced.

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?

2500 character(s) maximum

An ambitious sub-target for advanced biofuels for 2030 will stimulate the production of these biofuels.

Also the support development of new conversion techniques and first of a kind production facilities will stimulate the production of these biofuels in the European Union.

At the same time the link with the waste hierarchy of the Waste Directive should be strengthened. Also the European Commission should take measures to mitigate fraud, For instance used cooking oil is a feedstock that has a potential a high fraud risk. Finally certainty on the post-2020 regulatory framework is needed to promote investments in (advanced) biofuels.

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)?

- output 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

Transparency in the whole biofuel chain becomes more and more important for companies and consumers. It is important to know what the origin of biofuels is and that these biofuels meet the highest sustainability criteria. This means that is should be possible to follow commodity flows physically, i.e. by track and trace systems. The mass balance system and mutual recognition of voluntary schemes didn't support this. For instance a chain of custody from the feedstock cultivation to the biofuel production plant will be very helpful. Because of the need for a the European level playing field these measures should be implemented in all the Member States of the EU.

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?

2500 character(s) maximum

The developments in e.g. gasification, torrefaction, fermentation and pyrolysis of biomass are laborious and are not in line with the need to develop these technologies rapidly and implement them at competing prices. Continuing support for this development is needed.

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.

6.2. 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	Ø	0	8	0	0
Change in carbon stock due to deforestation, forest degradation and other direct land-use change in non-EU countries	ø	ø	8	Ø	0
Indirect land-use change impacts	0	0	0	~	0
GHG emissions from supply chain, e.g. cultivation, processing and transport	O	O	8	0	O
GHG emissions from combustion of biomass ('biogenic emissions')	0	0	8	0	0
Air quality	0	0	0	8	0
Water and soil quality	0	0	6	0	0
Biodiversity impacts	0	0	6	Ø	0
Varying degrees of efficiency of biomass conversion to energy	0	0	8	0	0
Competition between different uses of biomass (energy, food, industrial uses) due to limited availability of land and feedstocks	Ø	©	8	O	Ø

0

0

0

0

Please specify the "other" choice

200 character(s) maximum

There is a need for a harmonized European sustainability system for these biomass. The relation with the Waste Directive is important. Some useful bio energy options cannot develop because of specific . definitions in the Waste Directive. Harmonisation is needed. Also Air quality measures are important especially for small scale installations with high emissions in residential areas. Note that these remarks are related to bio energy, not to general EU-policies.

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

2500 character(s) maximum

In order to guarantee the sustainability of biomass production, it is necessary to work both on the harmonisation of sustainability criteria for biomass and the overall sustainability of production (including social and possible geopolitical effects). Because biomass competes in the market with fossil and mineral resources, the unilateral introduction of sustainability criteria for biomass might make market introduction more difficult. There is a need for a sustainability framework for all materials, not only biomass. Additional sustainability criteria, including quality assurance, can be introduced for biomass that are supported by the government and for high-risk flows of biomass. We are in favor of a harmonized European sustainability system for these biomass flows. We are currently implementing Dutch sustainability criteria in our Environmental Law for solid biomass for energy purposes. See attached a file with these criteria. We look forward working with the Member States and European Commission to further develop these criteria.

7. Policy objectives for a post-2020 bio energy 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	8	0	0	0	0	0	0	0	0	0
Avoid environmental impacts (biodiversity, air and water quality)	O	8	Ø	Ø	Ø	Ø	Ø	0	Ø	O
Mitigate the impacts of indirect land-use change	0	0	8	0	0	0	0	0	0	0
Promote efficient use of the biomass resource, including efficient energy conversion	Ø	Ø	Ø	8	Ø	Ø	Ø	Ø	Ø	Ø
Promote free trade and competition in										

the EU among all end-users of the biomass resource	0	0	Ø	0	8	0	0	Ø	Ø	0
Ensure long-term legal certainty for operators	0	0	0	0	0	0	0	0	0	ø
Minimise administrative burden for operators	Ø	0	0	0	Ø	Ø	0	8	0	0
Promote energy security	0	0	0	0	0		O	0	0	Ø
Promote EU industrial competitiveness, growth and jobs	0	0	0	0	0	Ø	0	0	8	Ø
Other	0	0	0	0	0	0	0	0	0	0

200 character(s) maximum

7.2. Any other views? Please specify

2500 character(s) maximum

Stimulating and facilitating private initiatives aimed at the application and harmonisation of sustainability criteria

8. EU action on sustainability of bioenergy

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

0

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.

0

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

The aim for all these biomass flows remains the development of a harmonised European sustainability system, based on the continued development of existing systems. The sustainability criteria of the Energy Agreement for Sustainable Growth (Energieakkoord), including the initial growth path for full testing at area level, are some of the most progressive and far-reaching criteria in the world. A harmonized European sustainability scheme should include social criteria and effects on soil, water and ILUC, also for biofuels and bio liquids.

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

For more references, see the uploaded Strategic Vision for Biomass 2030 and the Dutch sustainability criteria for solid biomass for energy purposes.

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

Thank you for participation to the consultation!