



## New Sustainability Criteria for Solid Biomass

# In 2009, the then introduced RED and its innovative land-based sustainability requirements were focussing on agricultural production systems



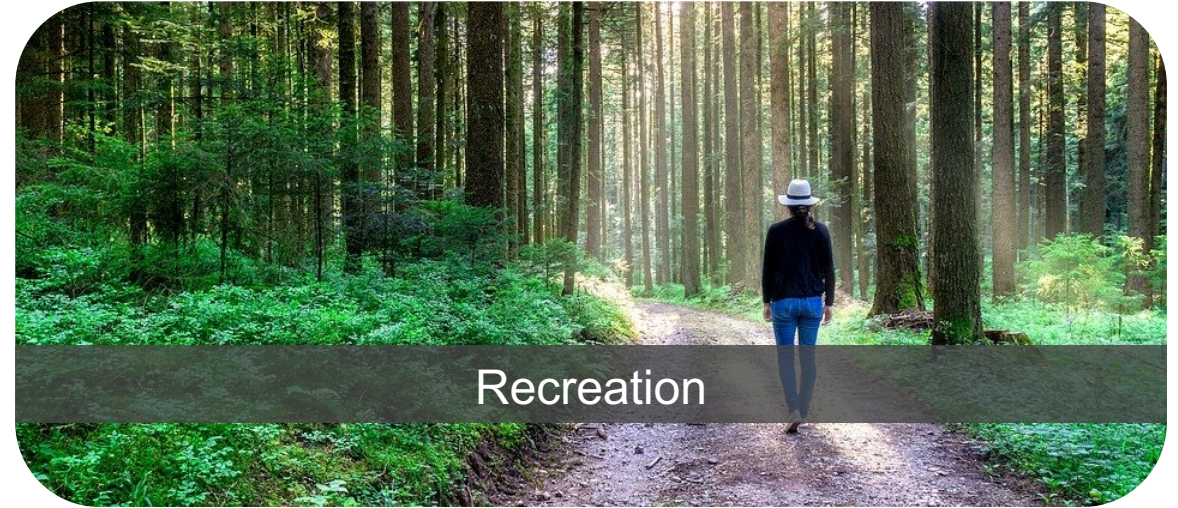
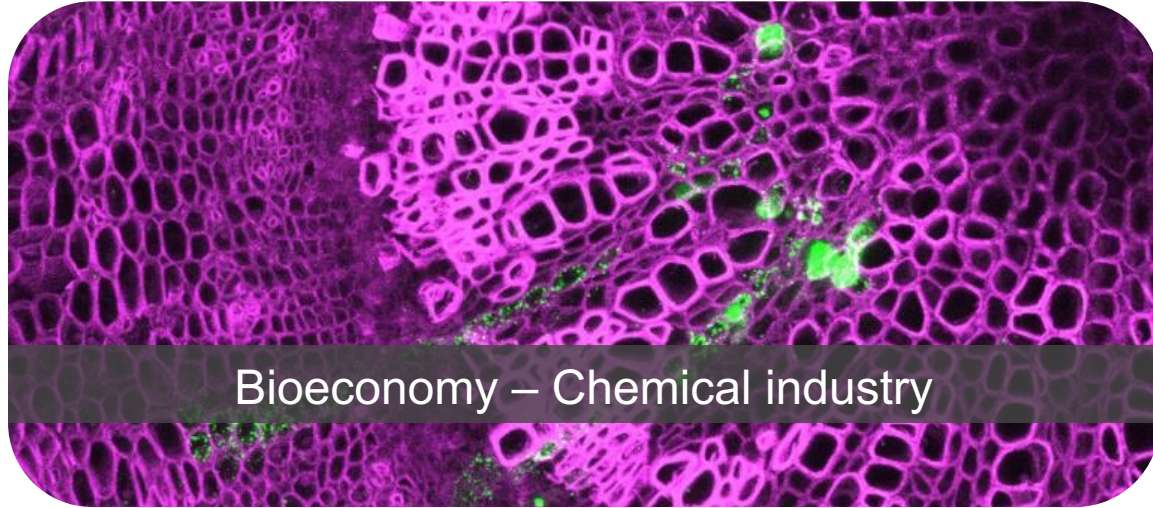
- RED published 2009
- National implementation
- Focus: 1G biofuels from agriculture
- Sustainability criteria:
  - Land-based sustainability criteria
    - No deforestation
    - Protection of highly biodiverse & carbon rich areas
  - GHG emission savings
  - Chain of Custody
- Default values: mainly agricultural feedstocks



During and after the implementation of the RED, several developments showed that focus also needs to be laid on biomass from forestry due to increased demand....



# ... social and scientific developments....



... and successful certification of lignofuels, based on processing residues from the forest industry or wood from agriculture



# For the first time, the RED II includes criteria for forest biomass being different to requirements for biomass from agriculture



Legality of harvesting operations

Forest regeneration

Maintenance of soil quality and biodiversity

Harvesting maintains or improves long-term productivity

Protection of areas designated by laws, etc. for nature protection purposes

or

Individual verification at forest sourcing area level

+

Party to Paris agreement

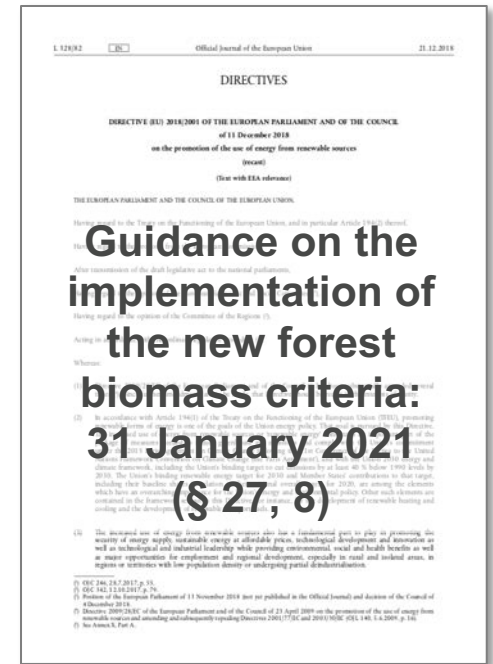
Submitted NDC to UNFCCC

or

Laws in place to ensure that reported LULUCF sector emissions do not exceed removals

or

Individual verification at forest sourcing area level



**Guidance on the implementation of the new forest biomass criteria:**  
**31 January 2021**  
 (§ 27, 8)

REDIIBIO Project supporting EU COM

# The requirements set out in § 29 of the RED II result in different sustainability criteria for wood harvested in the forest, depending on the production system



Wood from agriculture



Wood from forest



L 328/82    EN    Official Journal of the European Union    21.12.2018

**DIRECTIVES**

DIRECTIVE (EU) 2018/2001 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL  
of 11 December 2018  
on the **DIR 2018/2001**  
(recast)  
**§ 29 (3,4,5)**

THE EUROPEAN PARLIAMENT AND THE COUNCIL OF THE EUROPEAN UNION

Having regard to the Treaty on the Functioning of the European Union, and in particular Article 194(2) thereof,

Having regard to the proposal from the European Commission,

After transmission of the draft legislative act to the national parliaments,

Having regard to the opinion of the European Economic and Social Committee (1),

Having regard to the opinion of the Committee of the Regions (2),

Acting in accordance with the ordinary legislative procedure (3),

Whereas:

(1) Directive 2009/28/EC of the European Parliament and of the Council (4) has been substantially amended several times (5). Since further amendments are to be made, that Directive should be recast in the interests of clarity.

**Sustainability and GHG emissions saving criteria**

**DIR 2018/2001**  
**§ 29 (6,7)**

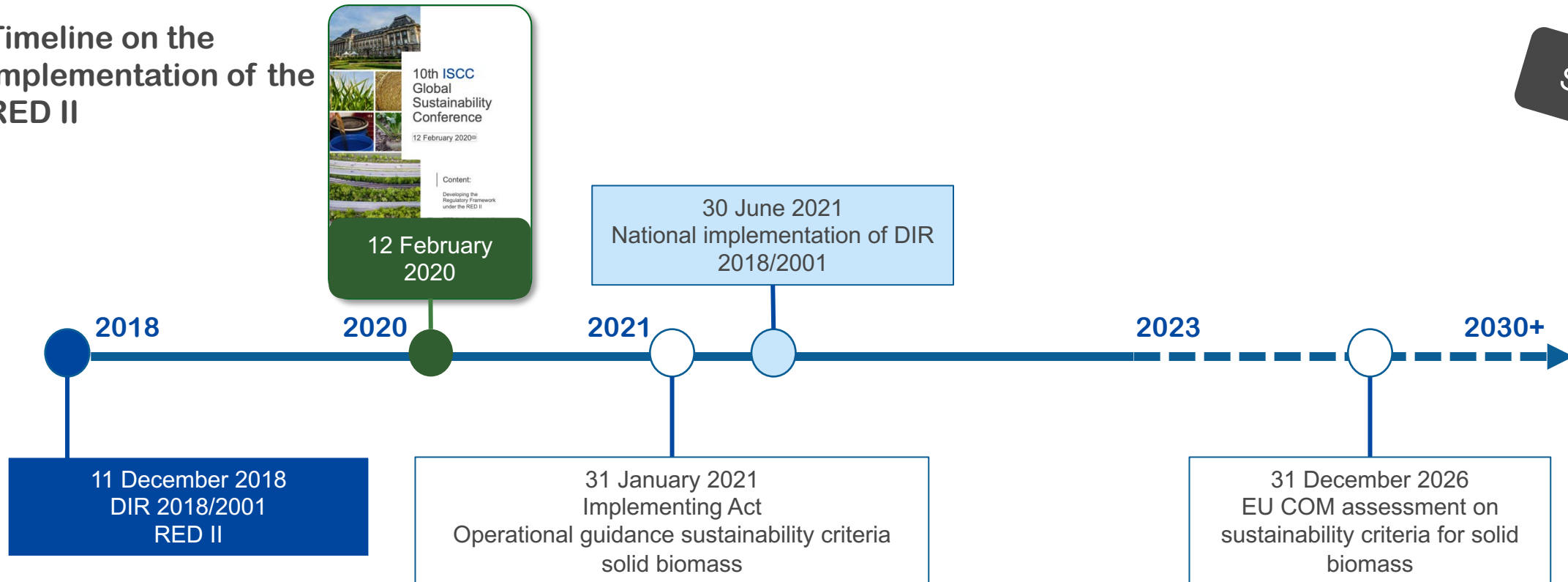
(1) The increased use of energy from renewable sources or 'renewable energy' constitutes an important part of the package of measures needed to reduce greenhouse gas emissions and comply with the Union's commitment under the 2015 Paris Agreement on Climate Change following the 21st Conference of the Parties to the United Nations Framework Convention on Climate Change (the 'Paris Agreement'), and with the Union 2030 energy and climate framework, including the target to reduce greenhouse gas emissions by at least 40 % below 1990 levels by 2030. The Union's binding contribution to that target, including their baseline, and the Union's binding contribution to that target, including their baseline, are among the elements which have an overarching importance for the Union's energy and industrial policy. Other such elements are contained in the framework set out in the Paris Agreement, the development of renewable heating and cooling and the development of renewable energy for transport.

(2) The increased use of energy from renewable sources also has a fundamental part to play in promoting the security of energy supply, sustainable energy at affordable prices, technological development and innovation as well as technological and industrial leadership while providing environmental, social and health benefits as well as major opportunities for employment and regional development, especially in rural and isolated areas, in regions or territories with low population density or undergoing rapid deindustrialisation.

(1) OJ C 246, 28.7.2017, p. 55.  
(2) OJ C 342, 12.10.2017, p. 79.  
(3) Position of the European Parliament of 13 November 2018 (not yet published in the Official Journal) and decision of the Council of 4 December 2018.  
(4) 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).  
(5) See Annex X, Part A.

# The year 2021 will be crucial for implementing sustainability criteria for solid biomass –companies shall start to prepare for the future market

## Timeline on the implementation of the RED II



Selection





**Besluit tot (gedeeltelijke) goedkeuring van certificatieschema ISCC voor de toepassing van het Besluit conformiteitsbeoordeling vaste biomassa voor energietoepassingen, Rijksdienst voor Ondernemend Nederland**

16 juli 2019  
GS19ISCC01

Geachte [...],

Op 14 december 2018 heb ik uw aanvraag om goedkeuring van uw certificatieschema ontvangen. Ik heb besloten om uw certificatieschema (deels) goed te keuren.

Op basis van artikel 10, derde lid, van het Besluit conformiteitsbeoordeling vaste biomassa voor energietoepassingen (hierna: Besluit conformiteitsbeoordeling) kan ik me laten adviseren door een adviescommissie. De adviescommissie heeft over uw aanvraag advies uitgebracht. Het advies heb ik verwerkt in dit besluit.

In het navolgende wordt puntsgewijs ingegaan op de voor deze goedkeuringsbeschikking relevante onderwerpen. Op deze beschikking zijn de voorwaarden uit het Besluit en de Regeling conformiteitsbeoordeling vaste biomassa voor energietoepassingen integraal van toepassing. Voor meer informatie hierover verwijs ik u naar de bijlage.

Criteria for energy  
Economic Affairs and Climate Policy



## Example NL: Some EU Member States already have sustainability requirements for wood from forestry

- The *RVO (The Netherlands Enterprise Agency)* asked companies to apply for a subsidy under the SDE+ (Sustainable Energy production)
- In order to receive this subsidy, companies have to prove compliance with **sustainability requirements for solid biomass**
- Companies have to be certified by one of the certification schemes being approved by the *Minister of Economic Affairs and Climate Policy*, who is advised by the the *Advisory Committee on the Sustainability of Biomass for Energy Applications (ADBE)*
- **ISCC Solid Biomass NL** is recognized by the ADBE/ RVO

ISCC is following the discussion and is aiming to ensure that system users will have market excess in the future

- RED II introduces sustainability requirements for solid biomass
- Market participants, voluntary schemes have to wait for the implementing act in 2021
- Some EU Member States already have sustainability requirements for solid biomass being eligible under national subsidiary schemes
- ISCC is recognized in the Netherlands for its „ISCC Solid Biomass NL“ scheme
- ISCC is following the current discussion on the certification of solid biomass and will apply for recognition by the EU COM, as soon as this is possible



Now, companies shall start to prepare for the future market. ISCC is aiming to support its system users, companies in this challenge

- ISCC's approach:
  - Practical solutions
  - Close cooperation with competent authorities, companies and system users
  - Pilot auditing
  - ISCC stakeholder process
- ISCC is aiming to support interested companies and system users to prepare for the future market
- “Integrated” solutions for ISCC system users



Many thanks for your attention!

Follow us on 

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CARBON SOLUTIONS