Regulation (EU) 2018/842 of the European Parliament and of the Council of 30 May 2018 on binding annual greenhouse gas emission reductions by Member States from 2021 to 2030 contributing to climate action to meet commitments under the Paris Agreement and amending Regulation (EU) No 525/2013 (Text with EEA relevance)

REGULATION (EU) 2018/842 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

of 30 May 2018

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(Text with EEA relevance)

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 192(1) 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) The European Council in its conclusions of 23-24 October 2014 on the 2030 climate and energy policy framework endorsed a binding target of at least a 40 % domestic reduction in economy-wide greenhouse gas emissions by 2030 compared to 1990 and that target was reaffirmed in the European Council conclusions of 17-18 March 2016.
- The European Council conclusions of 23-24 October 2014 stated that the emissions reduction target of at least 40 % should be delivered collectively by the Union in the most cost-effective manner possible, with the reductions in the European Union emissions trading system ('EU ETS') laid down in Directive 2003/87/EC of the European Parliament and of the Council⁽⁴⁾ and non-ETS sectors amounting to 43 % and 30 %, respectively, by 2030 compared to 2005. All sectors of the economy should contribute to achieving these greenhouse gas emission reductions, and all Member States should participate in this effort, balancing considerations of fairness and solidarity. The methodology to set the national reduction targets for the non-ETS sectors, with all the elements applied in Decision No 406/2009/EC of the European Parliament and of the Council⁽⁵⁾, should be continued until 2030 with efforts distributed on the basis of relative Gross Domestic Product (GDP) per capita. All Member States

should contribute to the overall Union reduction in 2030 with the targets spanning from 0% to -40% compared to 2005. National targets within the group of Member States with a GDP per capita above the Union average should be adjusted relatively to reflect cost-effectiveness in a fair and balanced manner. Achieving these greenhouse gas emission reductions should boost efficiency and innovation in the Union economy and should, in particular, promote improvements, notably in buildings, agriculture, waste management and transport, in so far as they fall under the scope of this Regulation.

- (3) This Regulation forms part of the implementation of the Union's contributions under the Paris Agreement⁽⁶⁾ adopted under the United Nations Framework Convention on Climate Change ('UNFCCC'). The Paris Agreement was concluded on behalf of the Union on 5 October 2016 by Council Decision (EU) 2016/1841⁽⁷⁾. The commitment of the Union to economy-wide greenhouse gas emission reductions was set out in the intended nationally determined contribution submitted in view of the Paris Agreement by the Union and its Member States to the Secretariat of the UNFCCC on 6 March 2015. The Paris Agreement entered into force on 4 November 2016 and replaces the approach taken under the 1997 Kyoto Protocol which will not be continued beyond 2020.
- (4) The Paris Agreement, inter alia, sets out a long-term goal in line with the objective to keep the global temperature increase well below 2 °C above pre-industrial levels and to pursue efforts to keep it to 1,5 °C above pre-industrial levels. It also stresses the importance to adapt to the adverse impacts of climate change and to make finance flows consistent with a pathway towards low greenhouse gas emissions and climate-resilient development. The Paris Agreement also calls for a balance between anthropogenic emissions by sources and removals by sinks of greenhouse gases in the second half of this century, and invites Parties to take action to conserve and enhance, as appropriate, sinks and reservoirs of greenhouse gases, including forests.
- (5) In its conclusions of 29-30 October 2009, the European Council supported a Union objective, in the context of necessary reductions according to the Intergovernmental Panel on Climate Change (IPCC) by developed countries as a group, to reduce greenhouse gas emissions by 80-95 % by 2050 compared to 1990 levels.
- (6) The nationally determined contributions of the Parties to the Paris Agreement are to reflect their highest possible ambition and represent a progression over time. In addition, Parties to the Paris Agreement should strive to formulate and communicate long-term low greenhouse gas emission development strategies, mindful of the objectives of the Paris Agreement. The Council conclusions of 13 October 2017 recognise the importance of the long-term goals and the five-year review cycles in the implementation of the Paris Agreement and highlight the importance of long-term low greenhouse gas emission development strategies as a policy tool for developing reliable pathways and the long-term policy changes needed to achieve the goals of the Paris Agreement.
- (7) The transition to clean energy requires changes in investment behaviour and incentives across the entire policy spectrum. It is a key Union priority to establish a resilient Energy Union to provide secure, sustainable, competitive and affordable energy to its citizens. Achieving that requires continuation of ambitious climate action with this Regulation and progress on the other aspects of the Energy Union as set out in the Commission

- communication of 25 February 2015 entitled 'A Framework Strategy for a Resilient Energy Union with a Forward-Looking Climate Change Policy'.
- (8) A range of Union measures enhance Member States' ability to meet their climate commitments and are crucial to achieving necessary greenhouse gas emission reductions in the sectors covered by this Regulation. Those measures include legislation on fluorinated greenhouse gases, CO₂-reductions from road vehicles, energy performance of buildings, renewables, energy efficiency and circular economy, as well as Union funding instruments for climate-related investments.
- (9) The conclusions of the European Council of 19-20 March 2015 noted that the Union is committed to building an Energy Union with a forward-looking climate policy on the basis of the Commission's framework strategy, whose five dimensions are closely interrelated and mutually reinforcing. Moderation of energy demand is one of the five dimensions of that Energy Union strategy. Improving energy efficiency can deliver significant reductions in greenhouse gas emissions. It can also benefit the environment and health, improve energy security, cut energy costs for households and companies, help alleviate energy poverty and lead to increased jobs and economywide economic activity. Measures which contribute to an increased uptake of energy-saving technologies in buildings, industry and transport could be a cost-effective way of helping Member States achieve their targets under this Regulation.
- (10) The deployment and development of sustainable and innovative practices and technologies can enhance the role of the agricultural sector in relation to climate mitigation and adaptation, in particular by reducing greenhouse gas emissions and by maintaining and enhancing sinks and carbon stocks. To reduce the carbon and ecological footprint of the agricultural sector, whilst maintaining its productivity, regeneration capacity and vitality, it is important to enhance action on climate mitigation and adaption as well as research funding for the development of and investments in sustainable and innovative practices and technologies.
- (11) The agricultural sector has direct and significant impact on biodiversity and ecosystems. For that reason, it is important to ensure the coherence between the objective of this Regulation and other Union policies and objectives, such as the common agricultural policy and objectives related to the biodiversity strategy, the forestry strategy and circular economy strategy.
- (12) The transport sector represents almost a quarter of the Union's greenhouse gas emissions. It is therefore important to reduce greenhouse gas emissions and risks related to fossil fuel dependency in the transport sector through a comprehensive approach for the promotion of greenhouse gas emission reductions and energy efficiency in transport, for electric transportation, for a shift of transport modes, where more sustainable, and for sustainable renewable energy sources in transport also after 2020. The shift towards low-emission mobility as part of the broader shift to a safe and sustainable low-carbon economy can be facilitated through the introduction of enabling conditions and strong incentives, as well as long-term strategies that can enhance investments.

- (13) The impact of Union and national policies and measures implementing this Regulation should be assessed in line with the monitoring and reporting obligations under Regulation (EU) No 525/2013 of the European Parliament and of the Council⁽⁸⁾.
- Without prejudice to the powers of the budgetary authority, the mainstreaming methodology implemented during the 2014-2020 Multiannual Financial Framework should, where appropriate, be continued and improved with a view to responding to the challenges and investment needs related to climate action as of 2021 onwards. Union funding should be coherent with the objectives of the Union's 2030 climate and energy policy framework and the long-term objectives expressed in the Paris Agreement, so as to ensure the effectiveness of public spending. The Commission should prepare a report on the impact of Union funding granted from the Union budget or otherwise pursuant to Union law on the greenhouse gas emissions in the sectors covered by this Regulation or Directive 2003/87/EC.
- (15) This Regulation should cover greenhouse gas emissions from the IPCC categories of energy, industrial processes and product use, agriculture and waste as determined pursuant to Regulation (EU) No 525/2013 excluding greenhouse gas emissions from the activities listed in Annex I to Directive 2003/87/EC.
- Opata currently reported in the national greenhouse gas inventories and the national and Union registries are not sufficient to determine, at Member State level, the CO₂ civil aviation emissions at national level that are not covered by Directive 2003/87/EC. In adopting reporting obligations, the Union should not impose upon Member States or small and medium-sized enterprises (SMEs) burdens that are disproportionate to the objectives pursued. CO₂ emissions from flights that are not covered by Directive 2003/87/EC represent only a very minor part of the total greenhouse gas emissions, and establishing a reporting system for these emissions would be unduly burdensome in the light of existing requirements for the wider sector pursuant to Directive 2003/87/EC. Therefore, CO₂ emissions from IPCC source category '1.A.3.A civil aviation' should be treated as being equal to zero for the purposes of this Regulation.
- (17) The greenhouse gas emissions reduction of each Member State for 2030 should be determined in relation to the level of its 2005 reviewed greenhouse gas emissions covered by this Regulation, excluding verified greenhouse gas emissions from installations that operated in 2005 and which were only included in the EU ETS after 2005. Annual emission allocations from 2021 to 2030 should be determined on the basis of data submitted by the Member States and reviewed by the Commission.
- (18) The approach of annually binding national limits taken in Decision No 406/2009/EC should be continued from 2021 to 2030. The rules for setting out the annual emission allocations for each Member State as laid down in this Regulation should follow the same methodology as for Member States with negative limits under that Decision, but with the start of the trajectory calculation at five-twelfths of the distance from 2019 to 2020 or in 2020 on the average of the greenhouse gas emissions during 2016 to 2018 and the end of the trajectory being the 2030 limit for each Member State. To ensure appropriate contributions to the Union's greenhouse gas emission reduction target for the period from 2021 to 2030, the start date of the trajectory should be determined for

each Member State on the basis of which of those dates results in a lower allocation. An adjustment to the annual emission allocation in 2021 should be provided for Member States with both a positive limit under Decision No 406/2009/EC and increasing annual emission allocations between 2017 and 2020 determined pursuant to Commission Decision 2013/162/EU⁽⁹⁾ and Commission Implementing Decision 2013/634/EU⁽¹⁰⁾, to reflect the capacity for increased greenhouse gas emissions in those years.

An additional adjustment should be provided for certain Member States in recognition of their exceptional situation of having both a positive limit under Decision No 406/2009/EC and either the lowest greenhouse gas emissions per capita under that Decision or the lowest share of greenhouse gas emissions from sectors not covered by that Decision compared to their total greenhouse gas emissions. That additional adjustment should only cover part of the greenhouse gas emission reductions needed in the period from 2021 to 2029 in order to maintain incentives for additional greenhouse gas emission reductions and in order to not impact the 2030 target achievement, taking into account the use of other adjustments and flexibilities set out in this Regulation.

- (19) In order to ensure uniform conditions for the implementation of the provisions of this Regulation concerning the setting out of the annual emission allocations for Member States, implementing powers should be conferred on the Commission. Those powers should be exercised in accordance with Regulation (EU) No 182/2011 of the European Parliament and of the Council⁽¹¹⁾.
- (20)In its conclusions of 23-24 October 2014, the European Council stated that the availability and use of existing flexibility instruments within the non-ETS sectors should be significantly enhanced in order to ensure cost-effectiveness of the collective Union effort and convergence of greenhouse gas emissions per capita by 2030. As a means to enhance the overall cost-effectiveness of total reductions, Member States should be able to bank and borrow part of their annual emission allocations. They should also be able to transfer part of their annual emission allocation to other Member States. The transparency of such transfers should be ensured, and they ought to be carried out in a manner that is mutually convenient, including by means of auctioning, by the use of market intermediaries acting on an agency basis, or by way of bilateral arrangements. Any such transfer could be the result of a greenhouse gas mitigation project or programme carried out in the selling Member State and financed by the receiving Member State. In addition, Member States should be able to encourage the establishment of public-private partnerships for projects under Article 24a(1) of Directive 2003/87/EC.
- (21) A one-off flexibility should be created in order to facilitate the achievement of targets for Member States with national reduction targets significantly above both the Union average and their cost-effective reduction potential as well as for Member States that did not allocate any EU ETS allowances for free to industrial installations in 2013. To preserve the aim of the Market Stability Reserve established by Decision (EU) 2015/1814 of the European Parliament and the Council⁽¹²⁾ to tackle structural supply-demand imbalances in the EU ETS, the EU ETS allowances taken into account for the one-off flexibility should be considered as EU ETS allowances in circulation when determining the total number of EU ETS allowances in circulation in a given year. In its

- first review under that Decision, the Commission should consider whether to maintain such accounting as EU ETS allowances in circulation.
- Regulation (EU) 2018/841 of the European Parliament and of the Council lays (22)down accounting rules on greenhouse gas emissions and removals relating to land use, land-use change and forestry ('LULUCF'). Activities that fall under the scope of that Regulation should not be covered by this Regulation. However, while the environmental outcome under this Regulation in terms of the levels of greenhouse gas emission reductions that are made is affected by taking into account a quantity up to the sum of total net removals and total net emissions from afforested land, deforested land, managed cropland, managed grassland and, under certain conditions, managed forest land as well as, where made mandatory under Regulation (EU) 2018/841, managed wetland, as defined in that Regulation, a LULUCF flexibility for a maximum quantity of 280 million tonnes of CO₂ equivalent of those removals divided among Member States should be included in this Regulation as an additional possibility for Member States to meet their commitments when needed. That total amount and its division among Member States should acknowledge the lower mitigation potential of the agriculture and land use sector and an appropriate contribution of that sector to greenhouse gas mitigation and sequestration. In addition, voluntary deletions of annual emission allocations under this Regulation should allow for such amounts to be taken into account when assessing Member States' compliance with requirements under Regulation (EU) 2018/841.
- (23)On 30 November 2016, the Commission presented a proposal for a Regulation of the European Parliament and of the Council on the Governance of the Energy Union ('governance proposal'), which requires Member States to draw up integrated national energy and climate plans in the context of strategic energy and climate policy planning for all five key dimensions of the Energy Union. According to the governance proposal, the national plans covering the period from 2021 to 2030 are to play a key role in Member States' planning of their compliance with this Regulation and Regulation (EU) 2018/841. To that end, Member States are to set out the policies and measures to meet the obligations under this Regulation and Regulation (EU) 2018/841, with an outlook to the long-term goal to achieve a balance between greenhouse gas emissions and removals in accordance with the Paris Agreement. Those plans are also to set out an assessment of the impacts of the planned policies and measures to meet the objectives. According to the governance proposal, the Commission should be able to indicate in its recommendations on the draft national plans the appropriateness of the level of ambition and of the subsequent implementation of policies and measures. The possible use of the LULUCF flexibility to comply with this Regulation should be taken into account when compiling those plans.
- (24) The European Environment Agency aims to support sustainable development and to help achieve significant and measurable improvement in the environment by providing timely, targeted, relevant and reliable information to policy-makers, public institutions and the public. The European Environment Agency should assist the Commission, as appropriate in accordance with the Agency's annual work programme.

- (25) Any adjustments in the coverage as set out in Articles 11, 24, 24a and 27 of Directive 2003/87/EC should be matched by a corresponding adjustment in the maximum quantity of greenhouse gas emissions covered by this Regulation. Consequently, where Member States include additional greenhouse gas emissions from installations that were previously covered by Directive 2003/87/EC into their commitments under this Regulation, those Member States should implement additional policies and measures in the sectors covered by this Regulation in order to reduce those greenhouse gas emissions.
- (26)In recognition of previous efforts made since 2013 by those Member States which had a GDP per capita below the Union average in 2013, it is appropriate to establish a limited special purpose safety reserve corresponding to up to 105 million tonnes CO₂ equivalent, while maintaining the environmental integrity of this Regulation as well as incentives for Member States' actions beyond the minimum contributions under this Regulation. The safety reserve should benefit Member States whose GDP per capita was below Union average in 2013, whose greenhouse gas emissions remain below their annual emission allocations from 2013 to 2020 and which have problems with achieving their 2030 greenhouse gas emission target despite using other flexibilities provided for in this Regulation. A safety reserve of that size would cover a significant part of the projected collective deficit of eligible Member States in the period from 2021 to 2030, without additional policies, while maintaining incentives for additional action. The safety reserve should be available to those Member States in 2032, under certain conditions and provided that its use does not undermine the achievement of the greenhouse gas emission reduction target of the Union of 30 % for the year 2030 in the sectors covered by this Regulation.
- (27)In order to reflect developments in the framework of Regulation (EU) 2018/841 as well as to ensure the accurate accounting under this Regulation, the power to adopt acts in accordance with Article 290 of the Treaty on the Functioning of the European Union should be delegated to the Commission in respect of allowing the use of the land accounting categories of managed forest land and managed wetland under the LULUCF flexibility and in respect of the accounting of transactions under this Regulation, including the use of flexibilities, the application of compliance checks and the accurate functioning of the safety reserve, through the registry established pursuant to Article 10 of Regulation (EU) No 525/2013 ('Union Registry'). Information regarding accounting under this Regulation should be accessible to the public. The necessary provisions for accounting of transactions should be contained in a single instrument combining the accounting provisions pursuant to Regulation (EU) No 525/2013, Regulation (EU) 2018/841, this Regulation and Directive 2003/87/EC. It is of particular importance that the Commission carry out appropriate consultations during its preparatory work, including at expert level, and that those consultations be conducted in accordance with the principles laid down in the Interinstitutional Agreement of 13 April 2016 on Better Law-Making⁽¹⁴⁾. In particular, to ensure equal participation in the preparation of delegated acts, the European Parliament and the Council receive all documents at the same time as Member States' experts, and their experts systematically have access to meetings of Commission expert groups dealing with the preparation of delegated acts.

- This Regulation should be reviewed as of 2024 and every five years thereafter in order to assess its overall functioning, in particular with regard to the need for increased stringency of Union policies and measures. The review should take into account, inter alia, evolving national circumstances and be informed by the results of the 2018 Facilitative Dialogue under the UNFCCC ('Talanoa dialogue') and the global stocktake under the Paris Agreement. As part of the review, the balance between supply and demand for annual emission allocations should also be considered to ensure the adequacy of the obligations laid down by this Regulation. In addition, as part of its regular reporting under Regulation (EU) No 525/2013, the Commission should, by 31 October 2019, assess the outcome of the Talanoa dialogue. The review for the period after 2030 should be in line with the long-term objectives and the commitments made under the Paris Agreement and, to this end, it should reflect a progression over time.
- (29)In order to ensure efficient, transparent and cost-effective reporting and verification of greenhouse gas emissions and of other information necessary to assess progress with Member State's annual emission allocations, the requirements for annual reporting and evaluation under this Regulation should be integrated with the relevant Articles under Regulation (EU) No 525/2013. That Regulation should also ensure that the progress of Member States in reducing greenhouse gas emissions continues to be evaluated annually, taking into account progress in Union policies and measures and information from Member States. Every two years, the evaluation should include the projected progress of the Union towards meeting its reduction targets and of Member States towards fulfilling their obligations. However, the application of deductions should only be considered at five-year intervals, so that the potential contribution from afforested land, deforested land, managed cropland and managed grassland taking place pursuant to Regulation (EU) 2018/841 can be considered. That is without prejudice to the duty of the Commission to ensure compliance with the obligations of Member States resulting from this Regulation or to the power of the Commission to initiate infringement proceedings for this purpose.
- (30) Regulation (EU) No 525/2013 should be amended accordingly.
- (31) Since the objectives of this Regulation, in particular to lay down obligations on Member States with respect to their minimum contributions for the period from 2021 to 2030 to fulfilling the Union's target of reducing its greenhouse gas emissions and to contribute to achieving the objectives of the Paris Agreement, cannot be sufficiently achieved by the Member States but can rather, by reason of its scale and effects, be better achieved at Union level, the Union may adopt measures, in accordance with the principle of subsidiarity as set out in Article 5 of the Treaty on European Union. In accordance with the principle of proportionality, as set out in that Article, this Regulation does not go beyond what is necessary in order to achieve those objectives.
- (32) This Regulation is without prejudice to more stringent national objectives,

HAVE ADOPTED THIS REGULATION:

- (1) OJ C 75, 10.3.2017, p. 103.
- (2) OJ C 272, 17.8.2017, p. 36.
- (3) Position of the European Parliament of 17 April 2018 (not yet published in the Official Journal) and decision of the Council of 14 May 2018.
- (4) Directive 2003/87/EC of the European Parliament and of the Council of 13 October 2003 establishing a scheme for greenhouse gas emission allowance trading within the Community and amending Council Directive 96/61/EC (OJ L 275, 25.10.2003, p. 32).
- (5) Decision No 406/2009/EC of the European Parliament and of the Council of 23 April 2009 on the effort of Member States to reduce their greenhouse gas emissions to meet the Community's greenhouse gas emission reduction commitments up to 2020 (OJ L 140, 5.6.2009, p. 136).
- (6) Paris Agreement (OJ L 282, 19.10.2016, p. 4).
- (7) Council Decision (EU) 2016/1841 of 5 October 2016 on the conclusion, on behalf of the European Union, of the Paris Agreement adopted under the United Nations Framework Convention on Climate Change (OJ L 282, 19.10.2016, p. 1).
- (8) Regulation (EU) No 525/2013 of the European Parliament and of the Council of 21 May 2013 on a mechanism for monitoring and reporting greenhouse gas emissions and for reporting other information at national and Union level relevant to climate change and repealing Decision No 280/2004/EC (OJ L 165, 18.6.2013, p. 13).
- (9) Commission Decision 2013/162/EU of 26 March 2013 on determining Member States' annual emission allocations for the period from 2013 to 2020 pursuant to Decision No 406/2009/EC of the European Parliament and of the Council (OJ L 90, 28.3.2013, p. 106).
- (10) Commission Implementing Decision 2013/634/EU of 31 October 2013 on the adjustments to Member States' annual emission allocations for the period from 2013 to 2020 pursuant to Decision No 406/2009/EC of the European Parliament and of the Council (OJ L 292, 1.11.2013, p. 19).
- (11) Regulation (EU) No 182/2011 of the European Parliament and of the Council of 16 February 2011 laying down the rules and general principles concerning mechanisms for control by Member States of the Commission's exercise of implementing powers (OJ L 55, 28.2.2011, p. 13).
- (12) Decision (EU) 2015/1814 of the European Parliament and of the Council of 6 October 2015 concerning the establishment and operation of a market stability reserve for the Union greenhouse gas emission trading scheme and amending Directive 2003/87/EC (OJ L 264, 9.10.2015, p. 1).
- (13) Regulation (EU) 2018/841 of the European Parliament and of the Council of 30 May 2018 on the inclusion of greenhouse gas emissions and removals from land use, land use change and forestry in the 2030 climate and energy framework, and amending Regulation (EU) No 525/2013 and Decision No 529/2013/EU (see page 1 of this Official Journal).
- (14) OJ L 123, 12.5.2016, p. 1.

Changes to legislation:

There are outstanding changes not yet made to Regulation (EU) 2018/842 of the European Parliament and of the Council. Any changes that have already been made to the legislation appear in the content and are referenced with annotations.