



# **The 2021-2030 Climate Policy framework**

**Commission Proposals for Regulations on  
Effort Sharing by Member States and  
Integration of Land Use, Land Use Change and Forestry**

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# The Paris Agreement

- **Entered into force 4 November 2016**
- Global commitment to transition to a low-emission economy
- Holding the increase in the global average temperature to well below 2 degrees Celsius above pre-industrial levels, and pursuing efforts to 1.5 degrees Celsius
- **Highlights need to harness the potential of land use to contribute to global GHG mitigation efforts**
- **Acknowledgement of the importance of food security**



# Land and forests in the Paris Agreement



*"Achieve a balance between anthropogenic emissions by sources and **removals by sinks** of greenhouse gases in the second half of this century"*

## The EU commitment:

- Include **LULUCF** into the GHG mitigation framework
- At least **40% emission reductions** compared to 1990



## 2030 Climate and Energy Framework

# -40 % Greenhouse Gas Emissions (domestic EU)

### ETS

## -43 %

*Including: Power/Energy Sector  
and Industry, Aviation*

**Max 100  
MtCO<sub>2</sub>eq**

### Non-ETS

## -30%

*Including: road transport, buildings, waste, agriculture,  
LULUCF*

### ESR

## -30 %



*Full  
flexibility*

### LULUCF

"No-Debit"



*Max 280  
MtCO<sub>2</sub>eq*

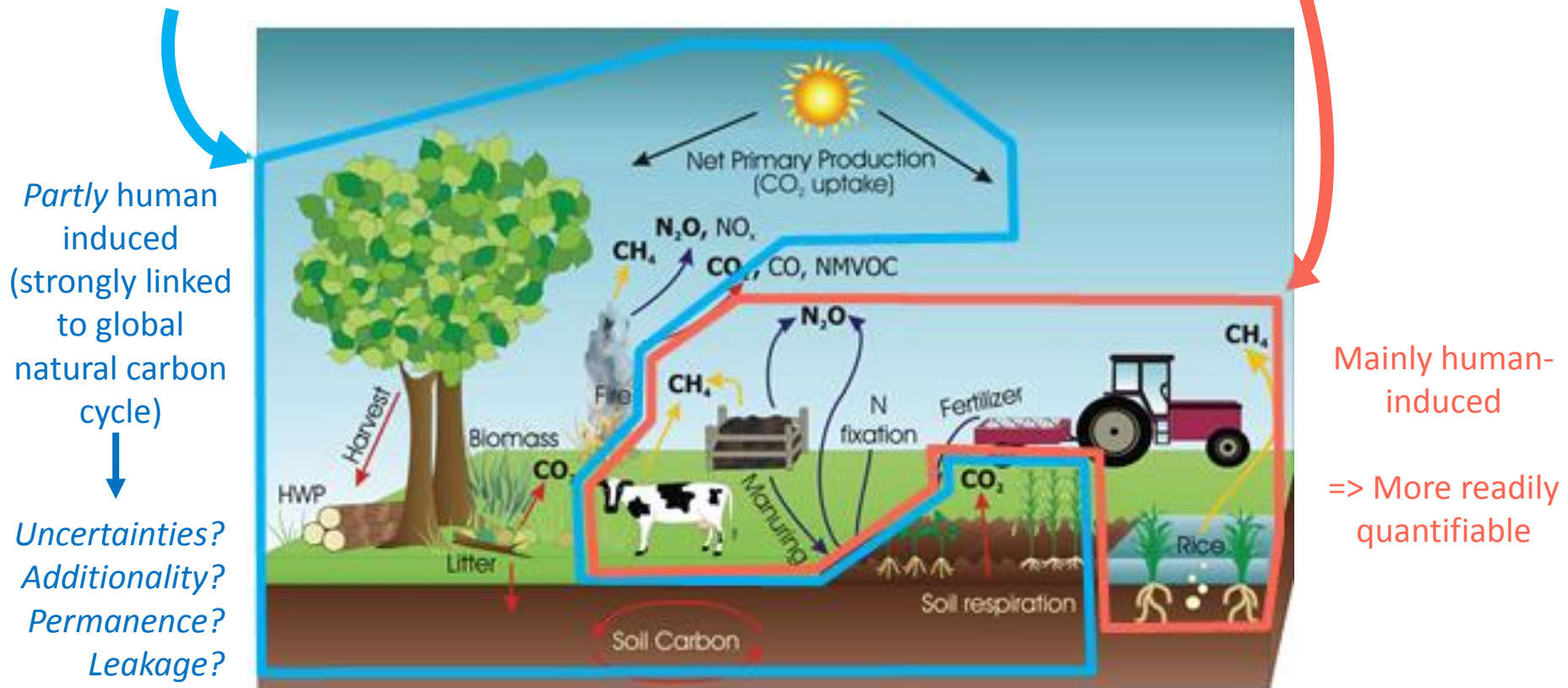
# What is the Effort Sharing Regulation 2021-2030 about?

- Breaks down the EU target for non-ETS sector of -30% by 2030 into **Member States targets**
- Sets rules for calculating **annual emission allocations** and for the evaluation of Member States' progress towards targets
- Covers almost 60 % of **EU greenhouse gas emissions**
- Includes **buildings, transport, agriculture (non-CO<sub>2</sub>), waste, F-gases**, other smaller sectors outside ETS

## Land use: in both LULUCF and the ESR

Land Use, Land Use Change and  
Forestry (LULUCF):  $\text{CO}_2$

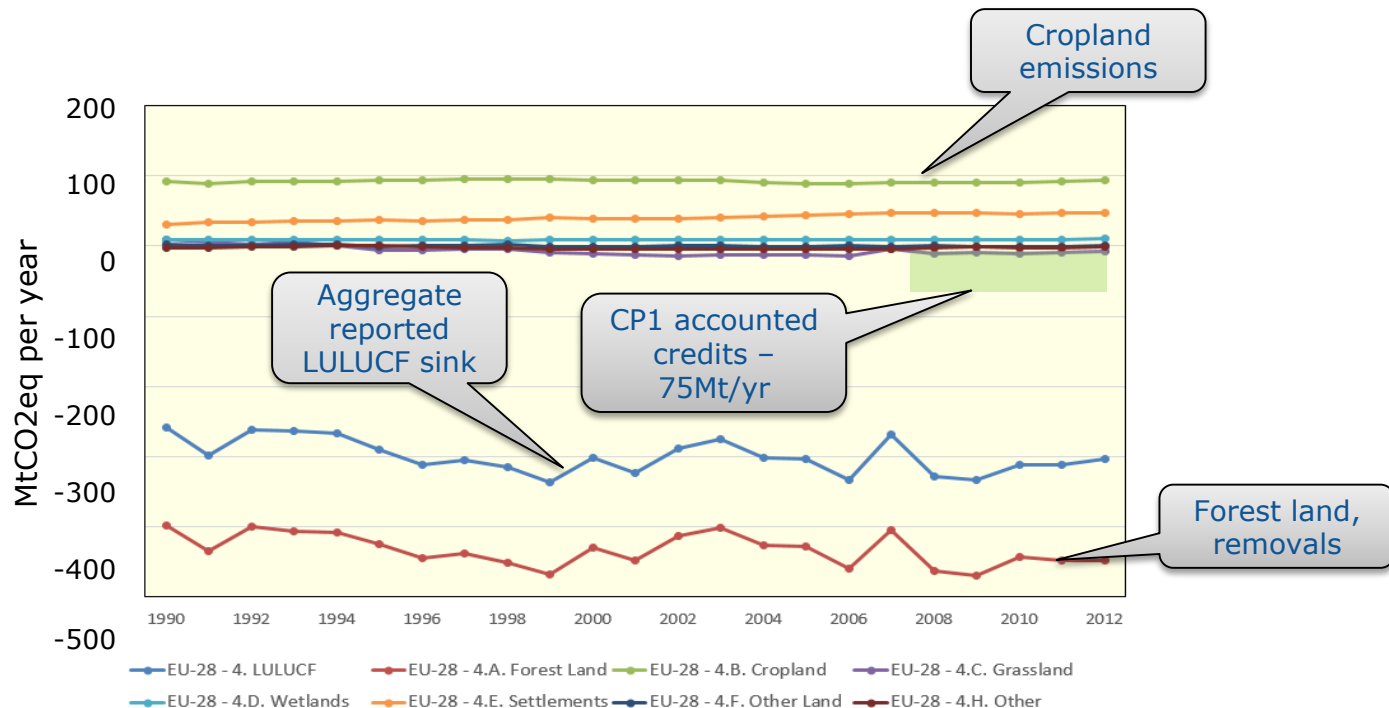
AGRICULTURE *non- $\text{CO}_2$*   
( $\text{CH}_4$ ,  $\text{N}_2\text{O}$ ) – in the ESR





## Land Use, Land Use Change and Forestry (LULUCF)

- The sector releases and removes CO<sub>2</sub> from the atmosphere
- Particularly important role in view of the objective from the **Paris Agreement** to reach carbon neutrality in 2<sup>nd</sup> half of the century.
- EU LULUCF = a net sink!



# Commission proposal on land use, land use change and forestry for 2021-2030

- LULUCF policy pillar with “No-debit” commitment continues from Kyoto Protocol
- Standardised and simplified reporting
  - Following the UNFCCC land-based reporting
- Accounting framework = incentives for *additional* mitigation
- In line with the EU's commitments made in Paris



# Providing for LULUCF additional action – the logic

- *Reducing agriculture's climate impacts requires systemic land management*
- *Among other actions, better soil management can contribute to:*
  - Improved nutrient management and nitrogen fixing,
  - **Enhanced soil carbon** management
  - Reduction of fossil-fuel based pesticide use
  - **Increasing the resilience of agricultural production** to floods and drought
  - Leading to a more **sustainable food production system**



# Key Mitigation Actions for agricultural land

## *List of Mitigation Actions*

Group	Mitigation actions
Land Use	<ul style="list-style-type: none"><li>• Conversion of arable land to grassland to sequester carbon in the soil</li><li>• New agroforestry</li><li>• Wetland/peatland conservation/restoration</li><li>• Woodland planting</li><li>• Preventing deforestation and removal of farmland trees</li><li>• Management of existing woodland, hedgerows, woody buffer strips and trees on agricultural land</li></ul>
Crop Production	<ul style="list-style-type: none"><li>• Reduced Tillage</li><li>• Zero Tillage</li><li>• Leaving crop residues on the soil surface</li><li>• Ceasing to burn crop residues and vegetation</li><li>• Use cover/catch crops</li></ul>

## ***Effective performance of tools for climate action policy - meta-review of Common Agricultural Policy (CAP) mainstreaming***

***Specific contract number 340202/2014/688088/SER/CLIMA.A.2 implementing  
Framework Contract CLIMA.A.4/FRA/2011/0027***

# Conclusions

## **Proposed EU ESR / LULUCF framework**

- Is fully in line with Paris Agreement
- Sets framework for designing incentives for additional mitigation in agriculture
- Represents a further integration of EU climate policy framework
- Co-decision for the two legislative proposals in the European Parliament and the Council of the European Union

# Thank you!

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