

# LULUCF: adopted revisions

<https://europa.eu/!98HPxX>

cf. Reg 2018/841


JRC LULUCF Workshop 11 May 2023



NB: Where any differences between the adopted legal text and this presentation may occur, the adopted legal text is the true meaning of the regulation under discussion.






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
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
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
**11/05/2023**  
14/03/2021  
Legal act

**Consolidated text: 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 (Text with EEA relevance)Text with EEA relevance**

**Access initial legal act**  In force

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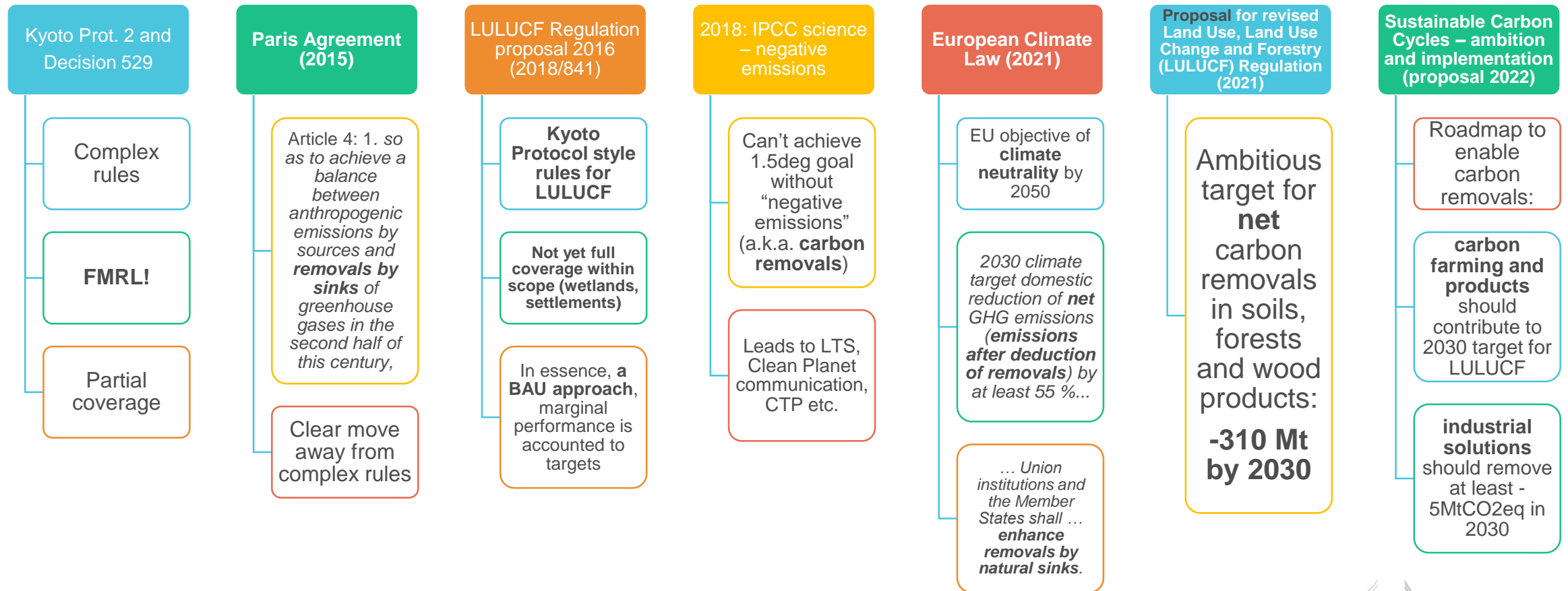
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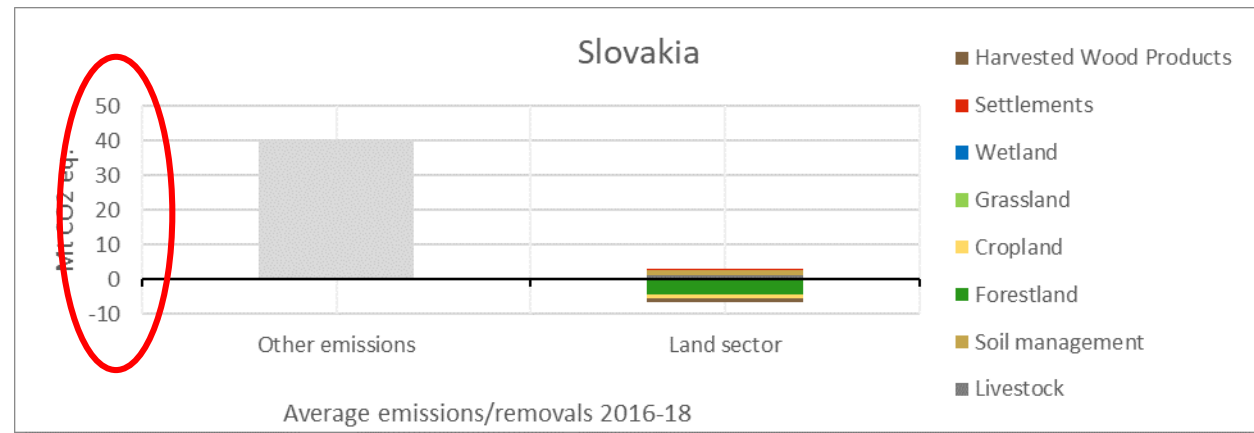
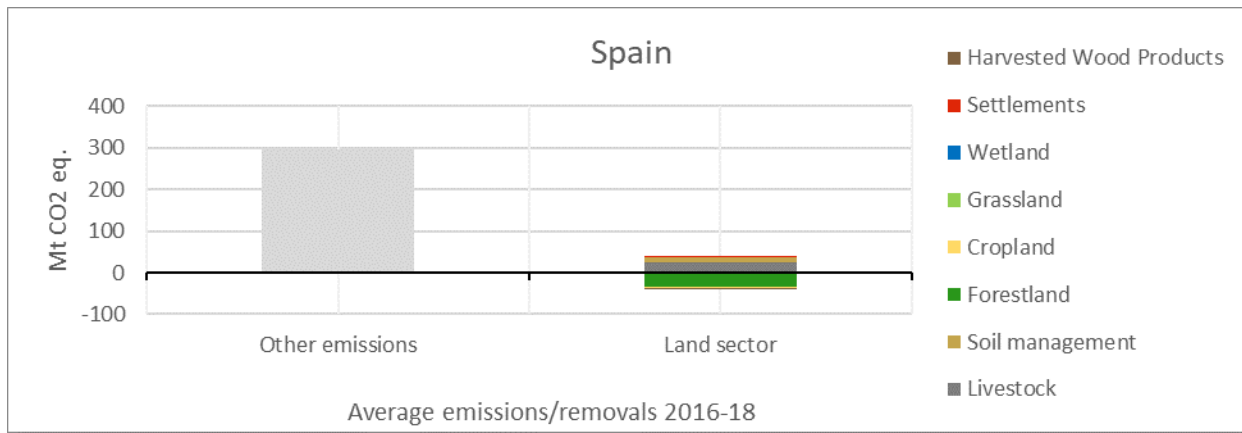
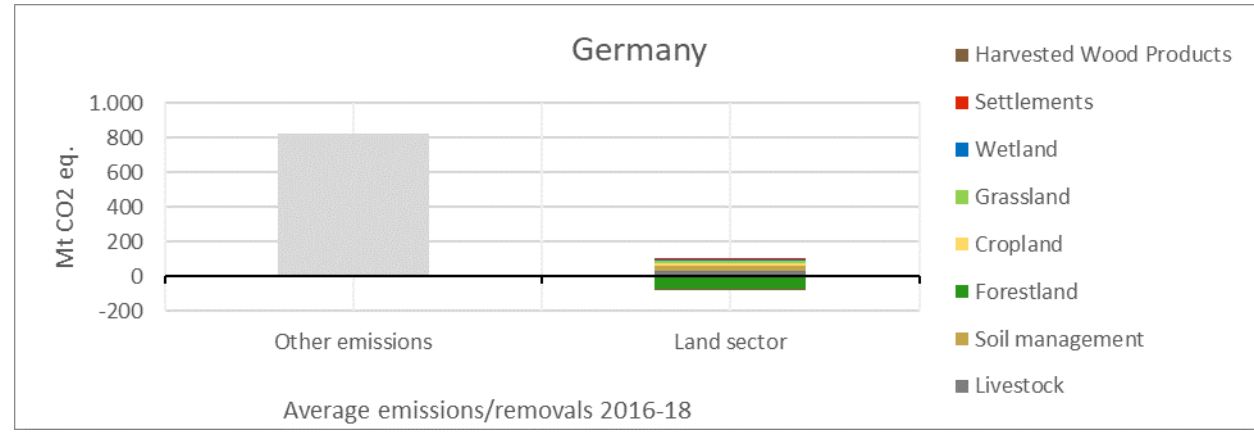
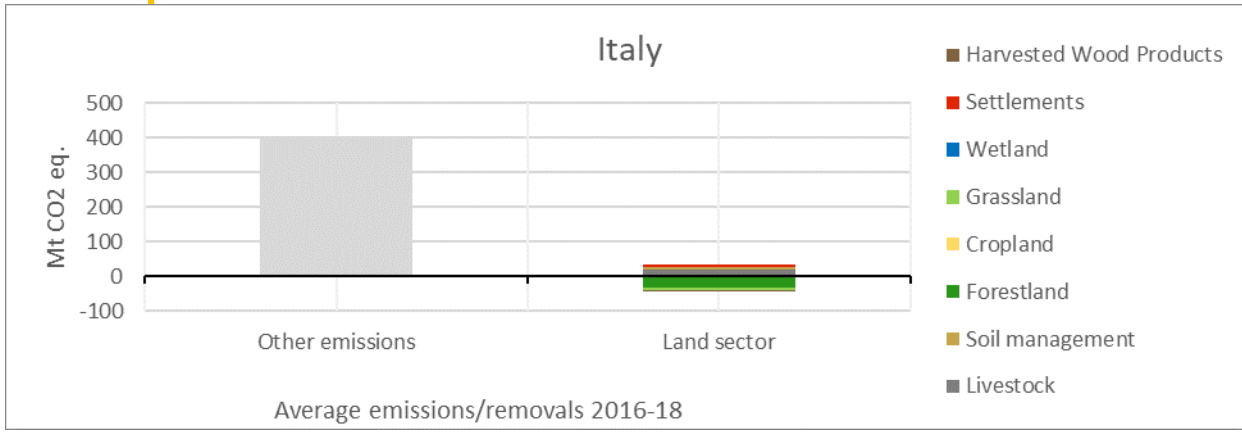
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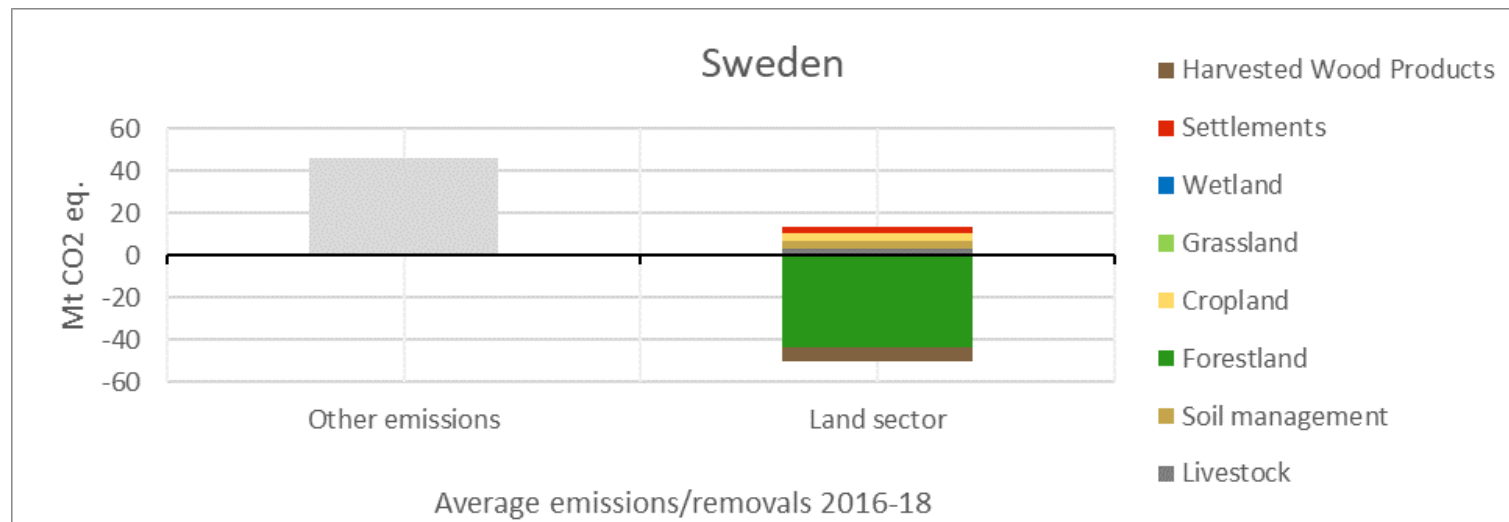
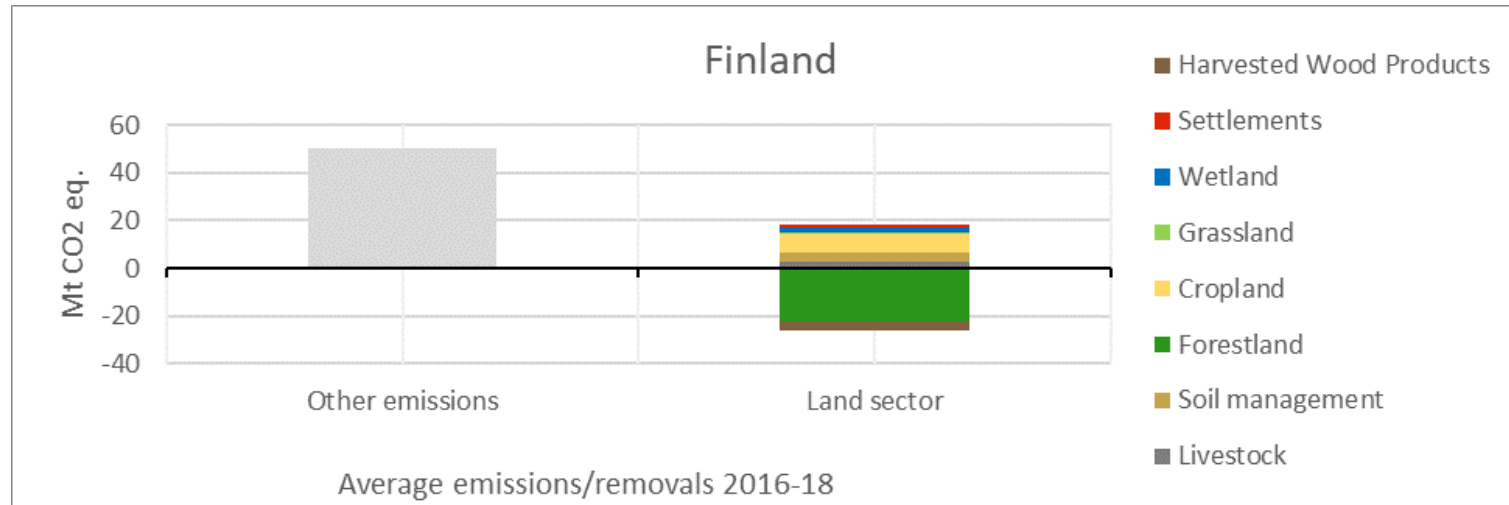
# The timeline





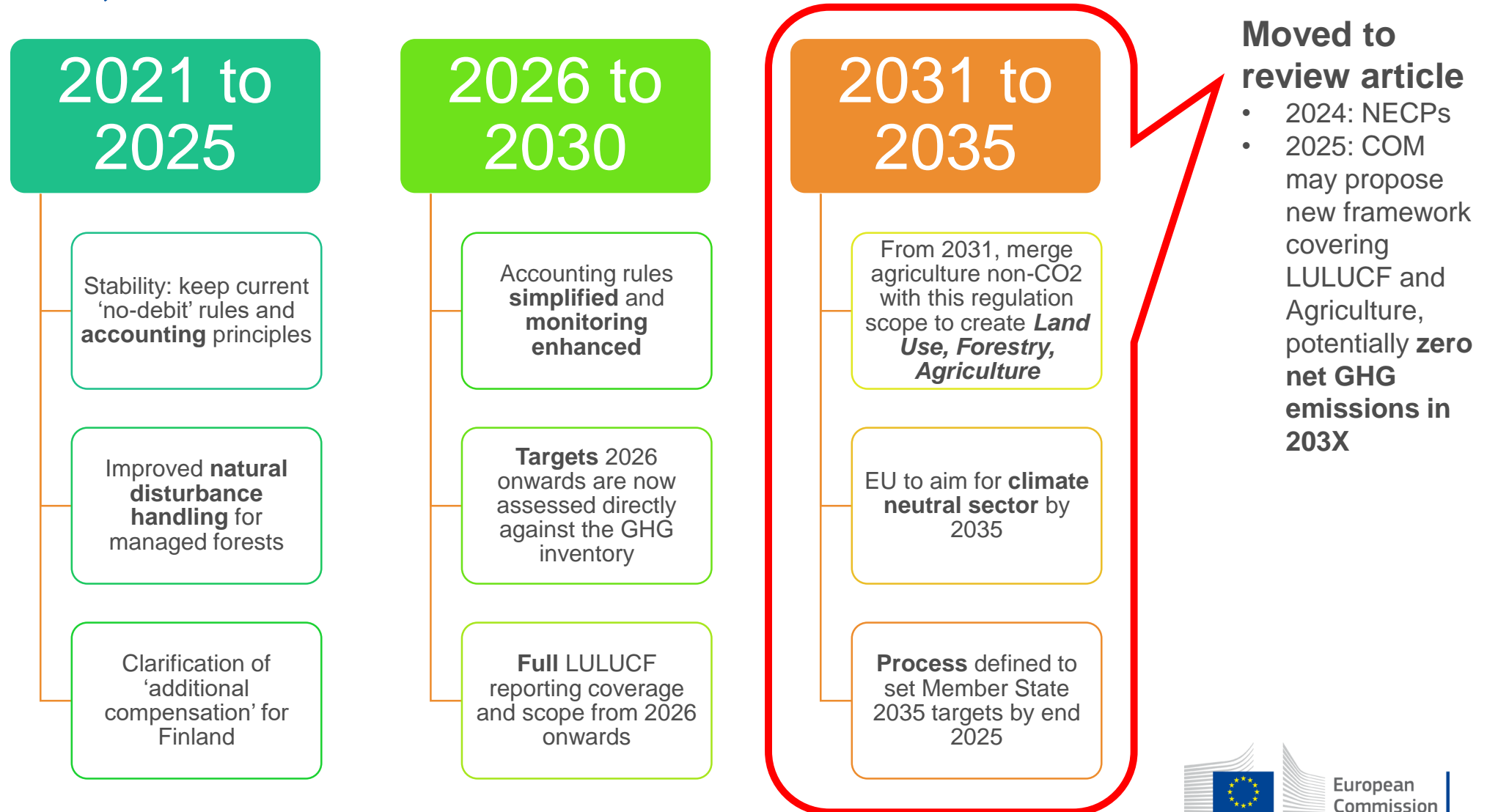
**Total emissions/removals in the land sector (coloured column, subcategories from the LULUCF and agriculture (non-CO2) sectors), and the total of other remaining emissions (grey column) by Member State**  
*Data from 2020 GHGI submission*

# The future is now...





# Regulatory stability, transition to reporting-based approach, and climate-neutral framework



# Key take-aways of the LULUCF revision: Regulation (EU) 2023/839\*

## Higher ambition

- **Explicit MS targets - for first time**
- **Full territorial scope from 2026**

## Better monitoring

- **Move to Tier-2 and Tier-3 level, geographically explicit basis (use of earth observation)**

## Improved governance

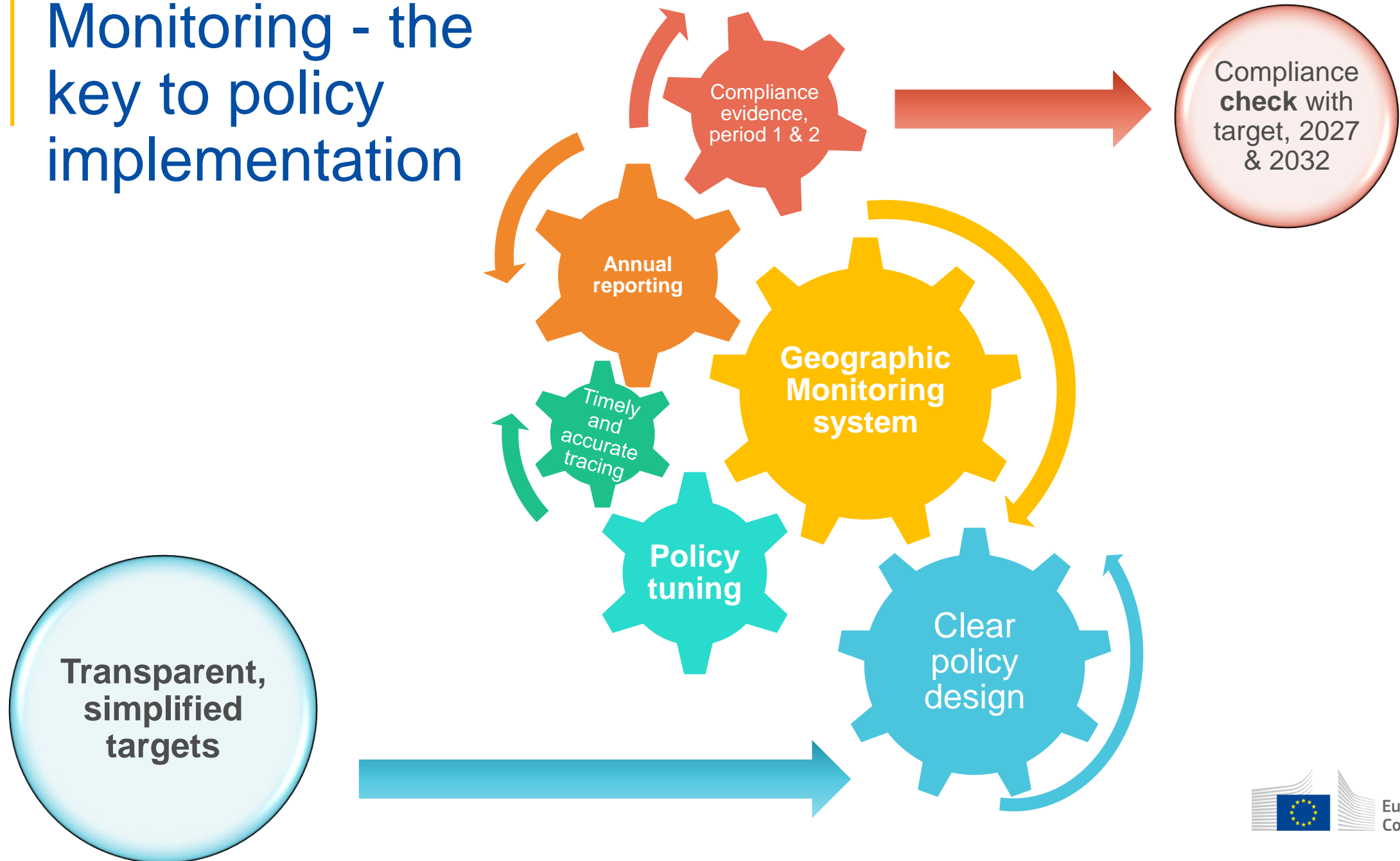
- **Corrective action process**
- **Recommendations by Commission**

## EEA in the lead for implementation

- **Reinforced EEA team, Copernicus tools**

\* <http://data.europa.eu/eli/reg/2023/839/oj> or consolidated version here: <https://europa.eu/!98HPxX>

# Monitoring - the key to policy implementation





# Article 1: Subject matter



*MEMBER STATE  
COMMITMENTS FOR  
2021-25*



**A 2030 UNION TARGET**



**MEMBER STATE  
TARGETS FOR 2030 AND  
THE PERIOD 2026-29**

# Article 2: Scope

*2021 to 2025: Land accounting categories:  
managed land excluding stable wetlands and  
settlements*

2021

2026

From 2026 onwards: all (managed) land  
reported by a Member State under CRF Table  
4 (includes wetlands, settlements)

# Article 4: target setting

2021 to 2025: A commitment to ensure that **accounted** emissions do not exceed removals (so-called 'no-debit' rule)

2030: A Union target of **-310Mt**, as the sum of the values of the greenhouse gas net emissions and removals reported in 2030

2030: Individual Member State targets for 2030 **relative** to the average reported in the years 2016/17/18

2026 to 2029: Member State targets expressed as a sum (budget) of the values set out on a linear trajectory from 2022 to 2030

# Article 5: general rules for accounting



No change in substance, except:



Specific exemptions ("not a source" option) under Art 5(4) stop from 2026 onwards



Impacts of land use conversion (Art 5(2)) not relevant to accounting from 2026 onwards

# Articles 6, 7, 8 (specific accounting rules)



*Sub-sector (cropland, grassland, afforested land, deforested land, wetland) accounting limited to 2021-25*



Forest Reference Level to end in 2025 (no requirement for future framework)

# Article 9: Harvest Wood Products



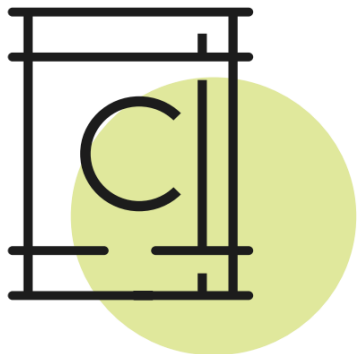
Prospect of scope concept widened  
beyond “harvested wood”



Basic act (review) to link Carbon Removal  
Certification methods to the regulation



# Different types of carbon removal activities



## PERMANENT STORAGE

*e.g. Bioenergy with Carbon Capture and Storage (BECCS), Direct Air Carbon Capture and Storage (DACCS)*

**Industrial leadership for climate-neutral technologies**

- + Large mitigation potential
- + Permanent and additional
- Needs upfront investment

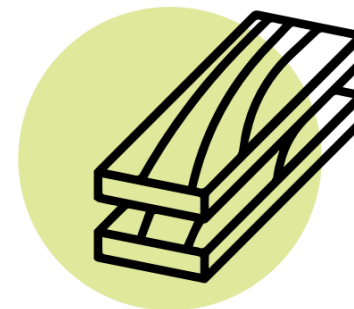


## CARBON FARMING

*e.g. Af-/re-forestation, sustainable forest management, agroforestry, soil carbon sequestration, peatland restoration*

**Realise strong synergies with biodiversity**

- + Synergies with environment
- + Business in rural areas
- Not permanent



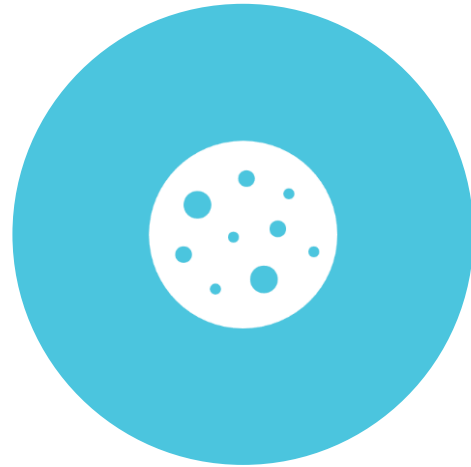
## CARBON STORAGE IN PRODUCTS

*e.g. Use of wood-based materials in construction, long-lasting Carbon Capture and Utilisation (CCU)*

**New European Bauhaus**

- + Substitute fossil materials
- + Good for bioeconomy
- Complex certification

# Art 10: excluding emissions from Natural Disturbances



**“KYOTO” APPROACH  
LIMITED TO 2021 TO 2025**



**NEW SYSTEM CREATED  
UNDER ART 13B**

# Article 13: Managed Forest Land Flexibility, 2021 to 2025

*Scope remains forest-oriented*

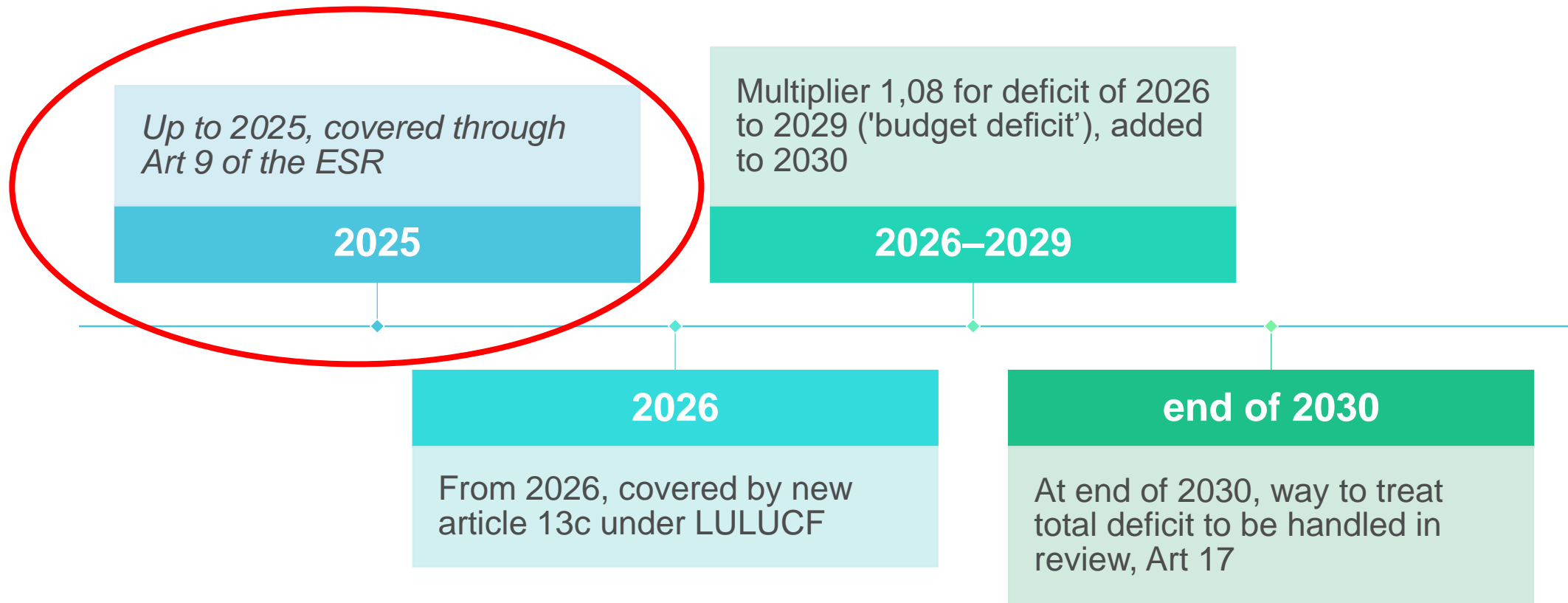
Capped to 178Mt (i.e. 50% of Annex VII); unused is lost or applies as "activation key" for 2030 natural disturbances or climate change impacts (see Art 13b)

Access conditioned by achievement of Union target 'no-debit' over 2021 to 2025

Compensation use extended (so-called 2nd round) to natural disturbances not covered by Art 10, e.g. bark beetle

"Finland" clause moved out (see Art 13a)

# Article 13c: Target Governance



# Art 14: compliance reporting

Much enhanced compliance reporting, including specific elements linked to biodiversity, natural disturbance, climate change

Reports to be made public on e-platform under the Governance Regulation

Becomes the home for the "methodological adjustment" for rectifying the difference between upgraded GHGs and targets

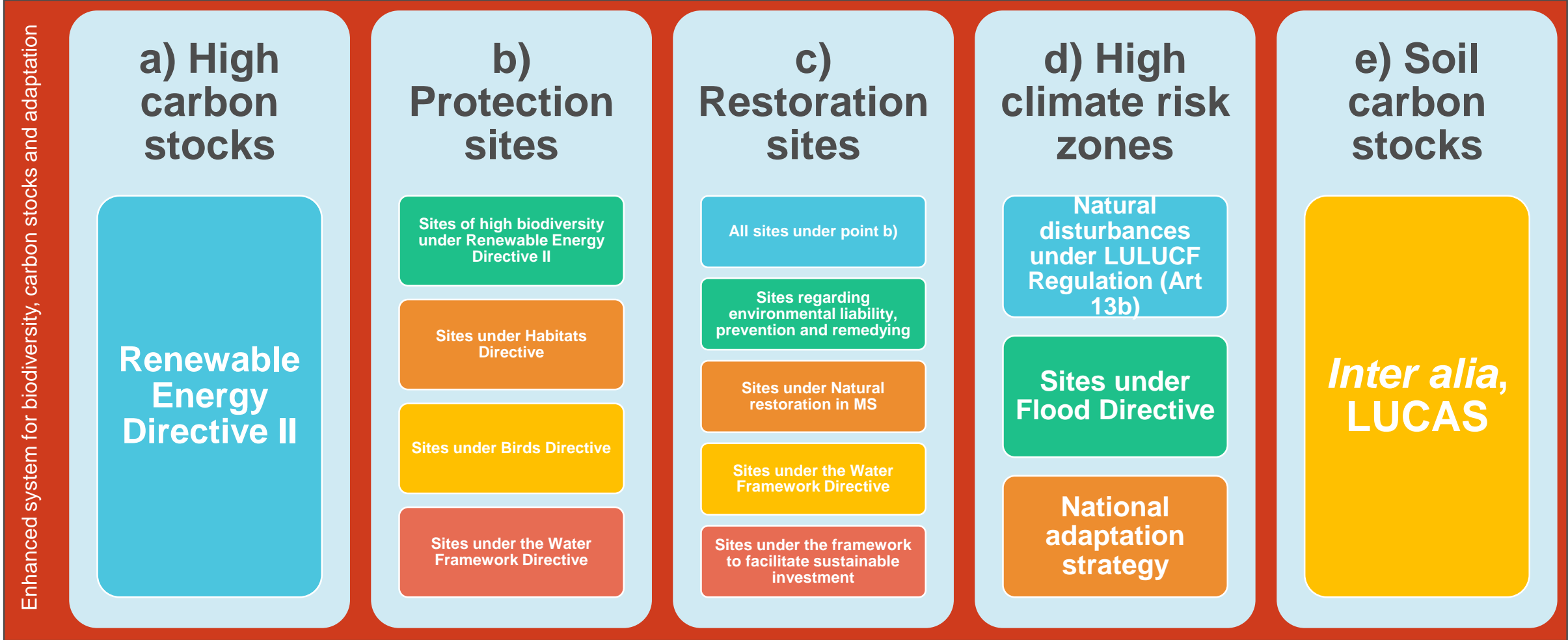
# Governance regulation Articles 37, 38

Art 37(4a): Difference of over +500kt between earlier and new inventories for averages of years 2016/7/8 => extra verification by Commission

Art 38(1a): Extra comprehensive review included (2025) to enable setting of trajectory 2026-2029



# Enhanced LULUCF monitoring system



Enhanced system for biodiversity, carbon stocks and adaptation

Biodiversity Strategy, Nature Restoration Law

# More on enhanced monitoring

From 2026 emission year (2028 submission): Tier 2 for all areas, all carbon pools

From 2028 emission year (2030 submission) Tier 3 in respect of enhanced monitoring for specific areas

- high carbon stock areas,
- protected areas,
- restoration areas,
- areas subject to adaptation
- ~~(not applicable)~~

Member States to make monitoring data and information compatible/interoperable for "comparison and public access"

*Inter alia*, provides technical foundation for monitoring for carbon removal certification (proposal ongoing)

# Thank you – questions!



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