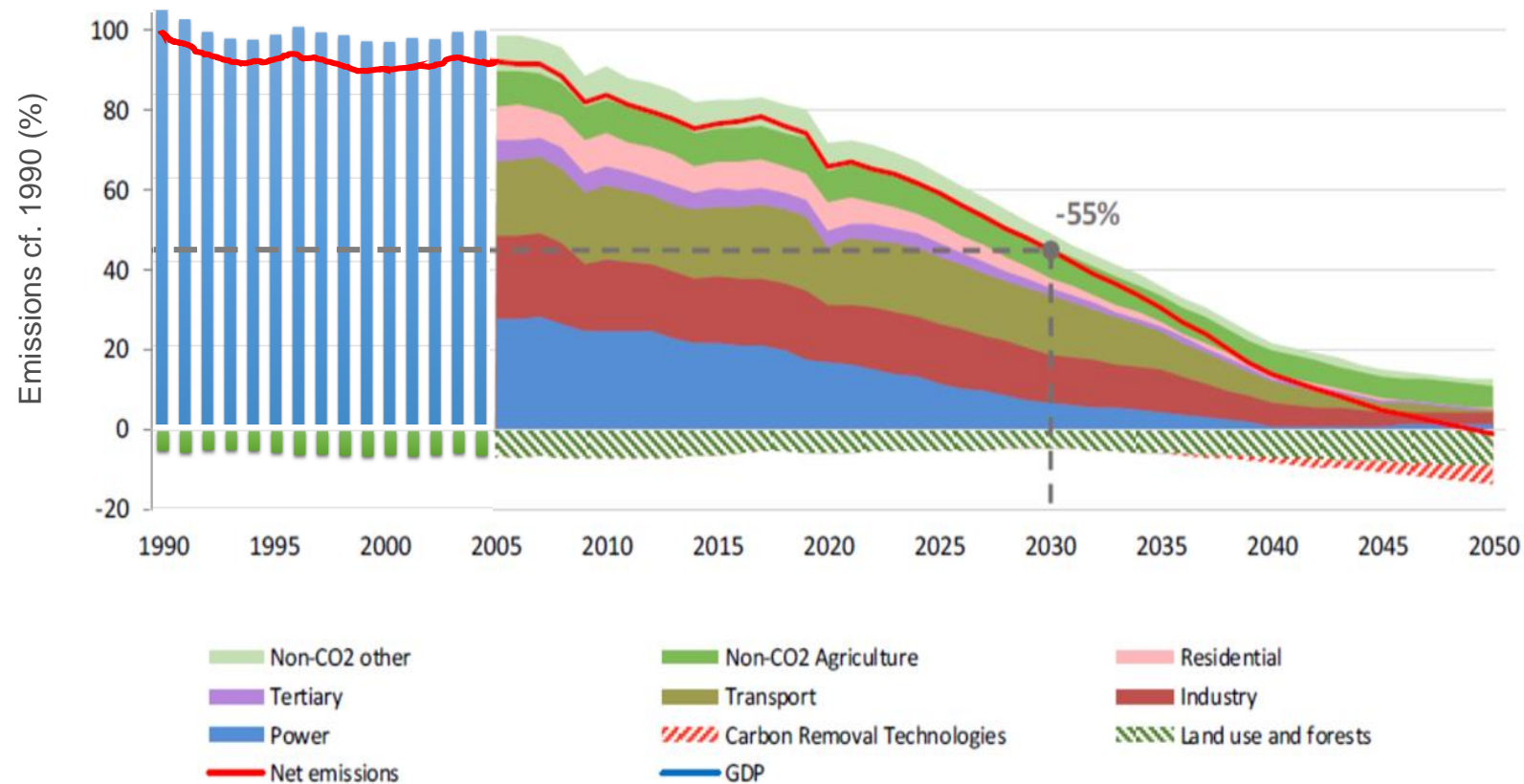




Towards sustainable carbon cycles in a climate-neutral EU

May 2021

Pathway to climate neutrality



Sustainable Carbon Management

- **Reducing reliance on carbon:**
 - Energy and resources efficiency (building, transport, industry...)
 - Electrification, hydrogen, new industrial processes
- **Recycling carbon:**
 - Phase out the use of virgin fossil carbon
 - Recycling carbon from waste streams, biomass or directly from atmosphere
 - Circular economy, bio-economy, CCU
- **Removing carbon from the atmosphere:**
 - Reverse the process of releasing fossil and biogenic carbon to the atmosphere
 - Role of ecosystems and engineered solutions
 - Development and deployment at scale requires new policy support

State of Play on Policies

- **Climate Law:**
 - Climate Neutral and Net Negative post 2050
- **Fit-for-55:**
 - Revision of key Climate and Energy policies, including ETS and LULUCF
- **Innovation Fund:**
 - Bringing clean tech solutions, including carbon removals, to the market
 - Ongoing calls for large-scale and small-scale projects
- **Carbon Farming:**
 - Promote carbon sequestration as new business model with direct incentives
 - Publication of Carbon Farming Handbook
- **Certification of Carbon Removals**

Certification of Carbon Removals

- **Regulatory framework** for the certification of carbon removals
- **Robust and transparent carbon accounting** to monitor and verify the authenticity of carbon removals
- **Step-wise development** and integration of carbon removals in a EU climate policy architecture
- **Long-lasting framework** will require some changes to incorporate lessons while regulatory stability is also important

Certification of Carbon Removals

Scope

- Source of CO2
- Type of storage
- Maturity, scalability
- Impact on existing policies?

Governance

- Common rules across EU
- Which role for EU? Member States? Private actors?
- Limiting administrative burden
- Step wise approach

Certification and MRV

- Boundaries of the system, robustness
- Additionality, link with inventories
- Permanence, liability
- Differentiation

Thank you



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