

# **Carbon Offsets:** *Accelerating Economic Decarbonization*



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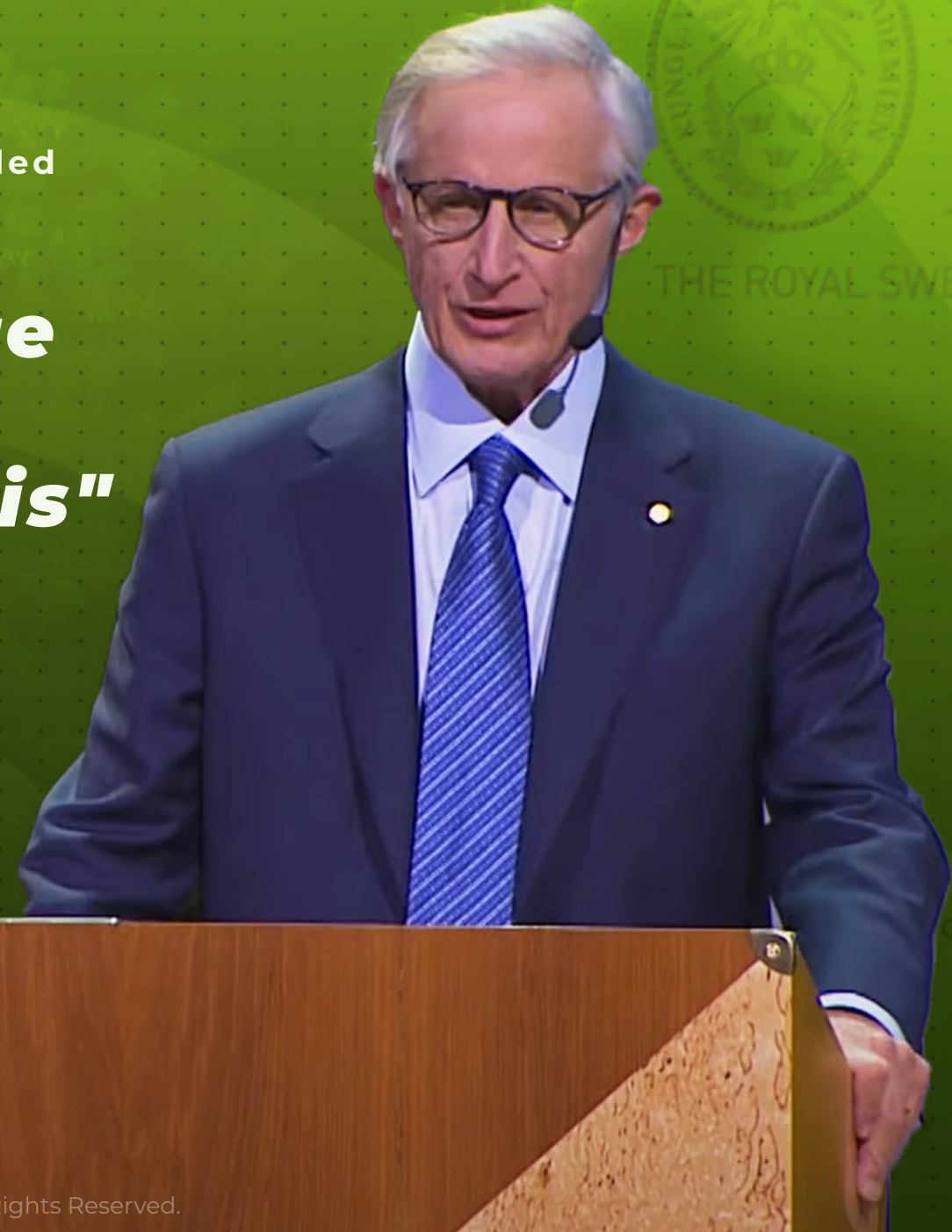


**CARBON PRICING IS  
COMING STRAIGHT AT US,  
AND CARBON OFFSET DEMAND EXCEEDS SUPPLY**

The Royal Swedish Academy of Sciences has decided to award the Sveriges Riksbank Prize in Economic Sciences in Memory of Alfred Nobel 2018

***"For Integrating Climate Change Into Long-run Macroeconomic Analysis"***

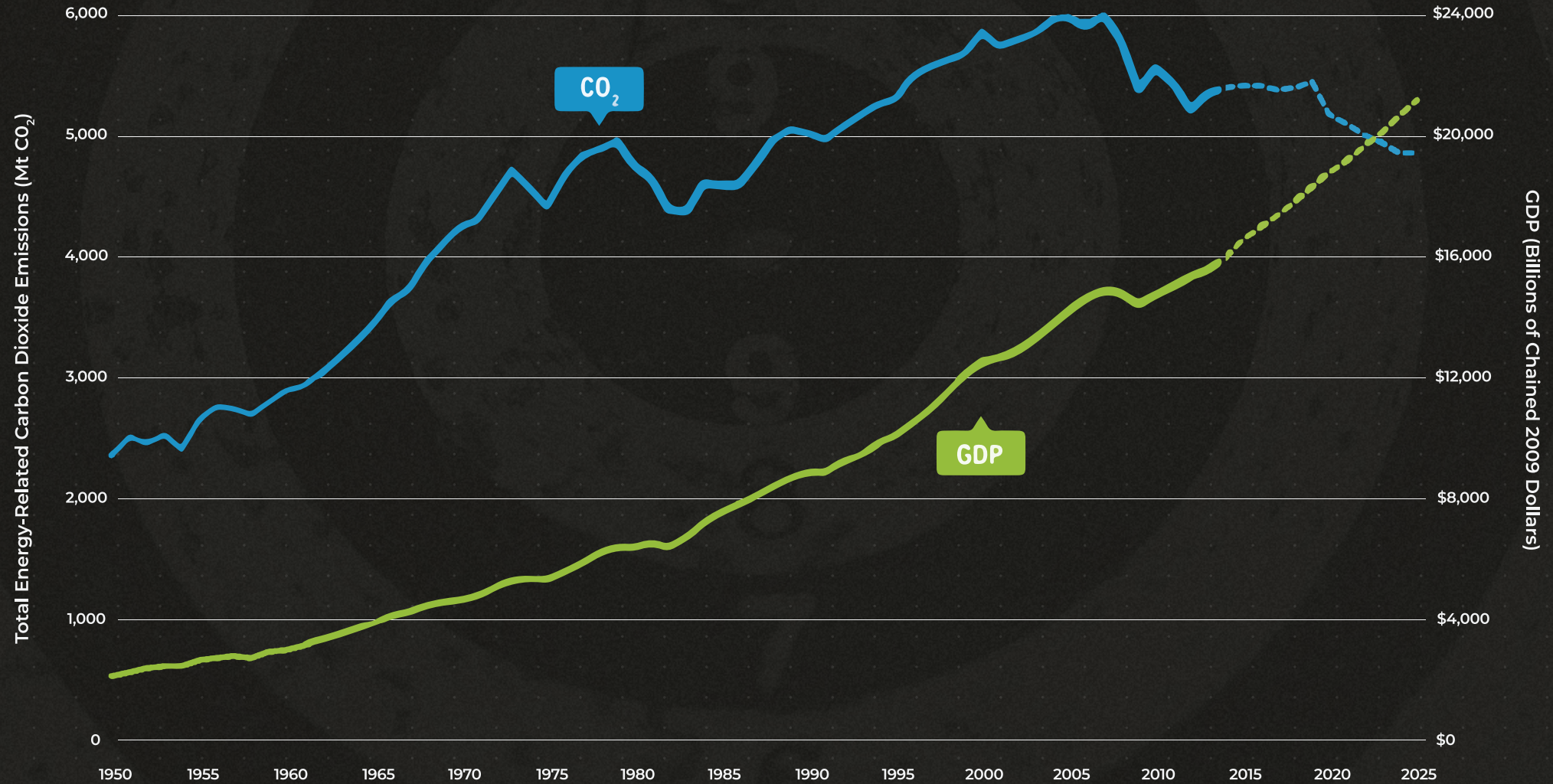
**William D. Nordhaus**  
Yale University, New Haven, USA



KUNGL.  
VETENSKAPS

# Economic Decarbonization

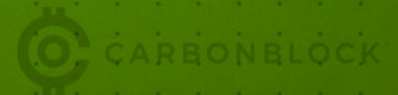
## U.S. CO<sub>2</sub> Emissions and GDP, 1950-2025





**“ IN ORDER TO MEET GROWING DEMANDS FOR OFFSETS, CURRENT PRIVATE SECTOR CARBON MARKETS WOULD NEED TO GROW BY AT LEAST 15x ON TODAY’S LEVELS.”**

**Mark Carney**  
Former Governor  
Bank of England





**Regulated**  
M A R K E T

vs.

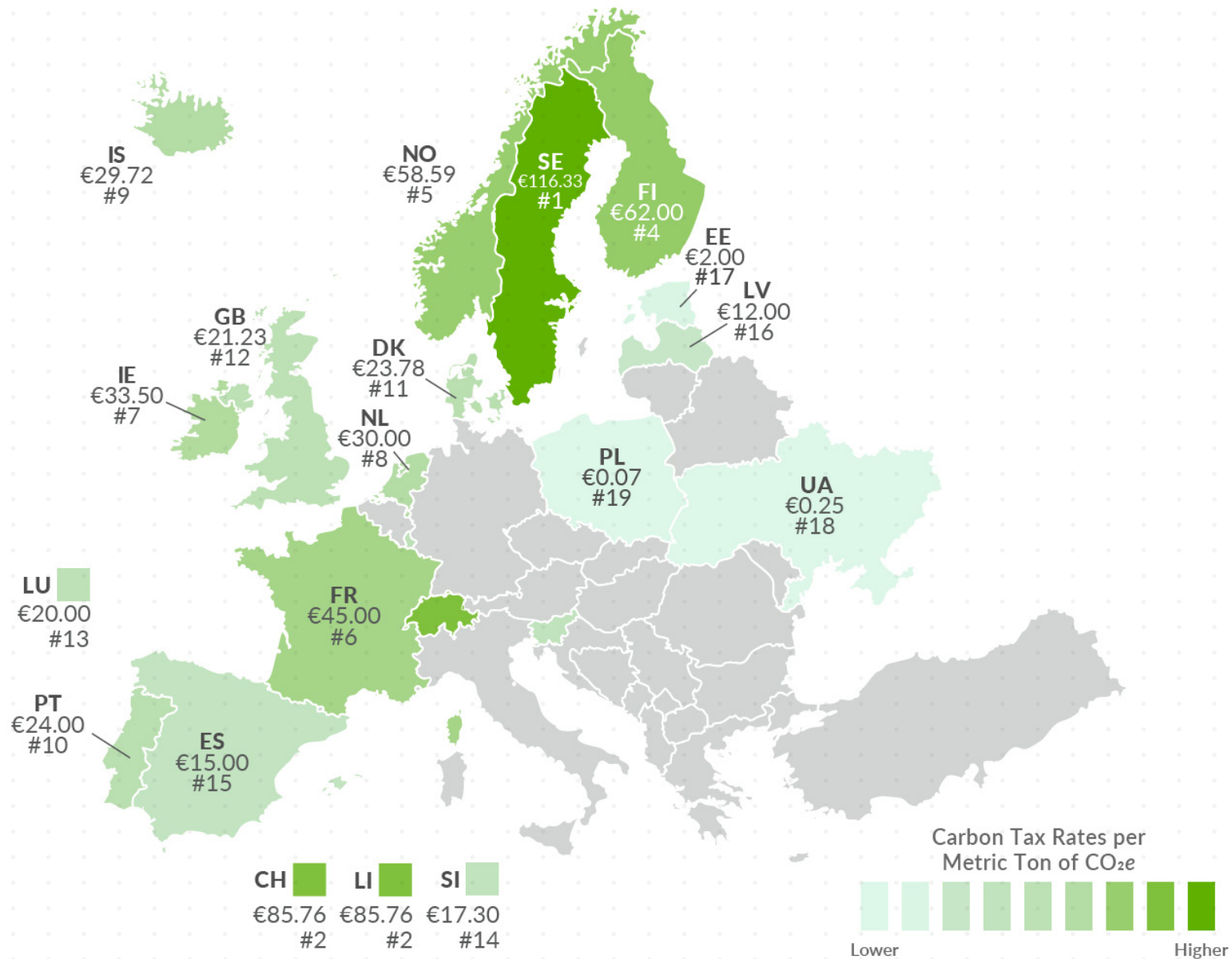
**Voluntary**  
M A R K E T

# STATE OF THE Canadian Market

- Provincial/Territorial system applies
- Federal backstop applies in part
- Federal backstop applies in full
  - Output-based pricing system, a regulatory trading system for industry
  - Fuel charge



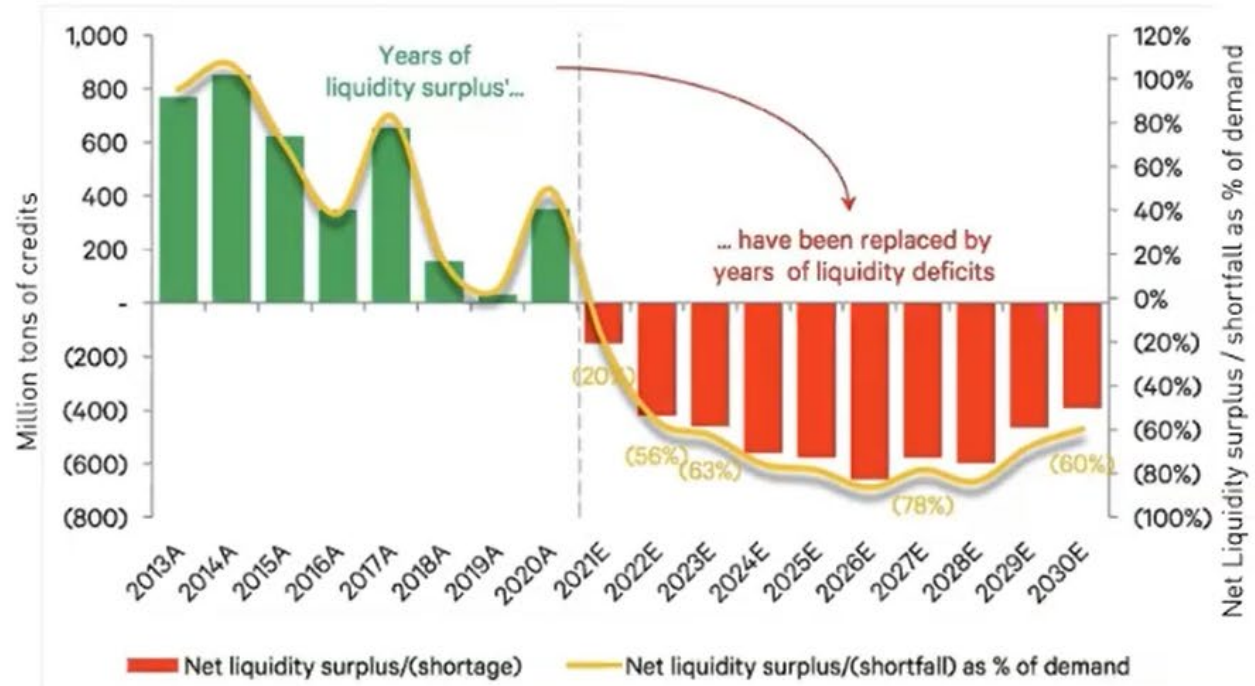
# STATE OF THE *European Market*



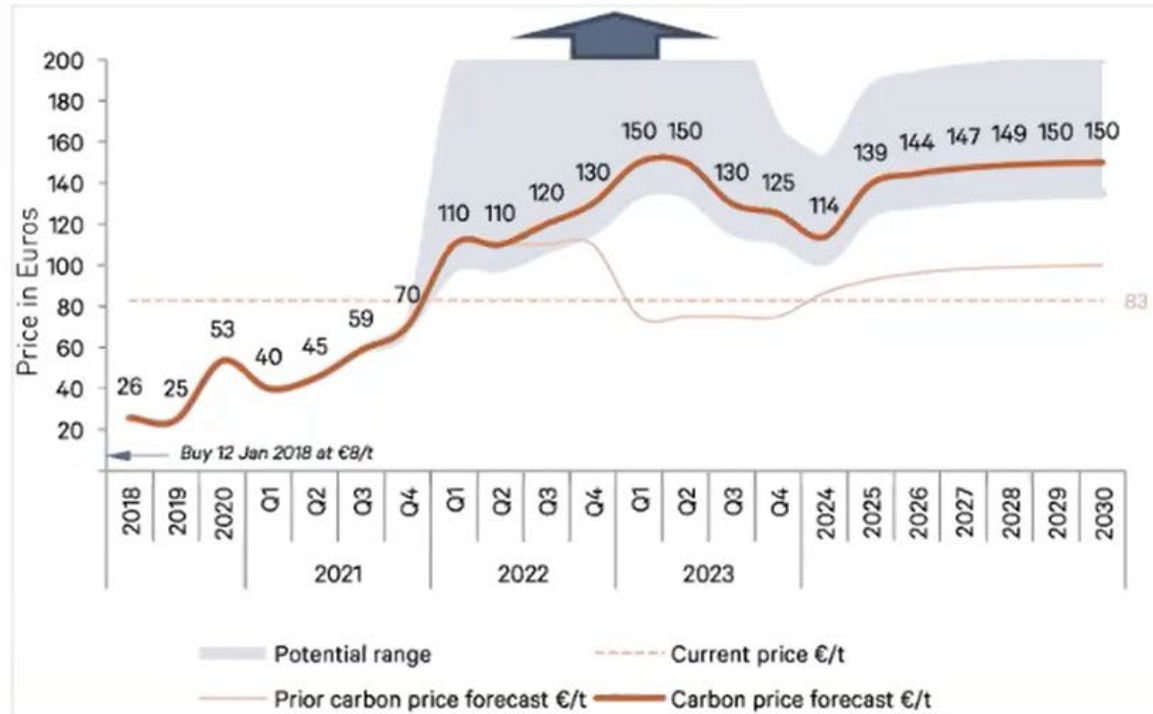


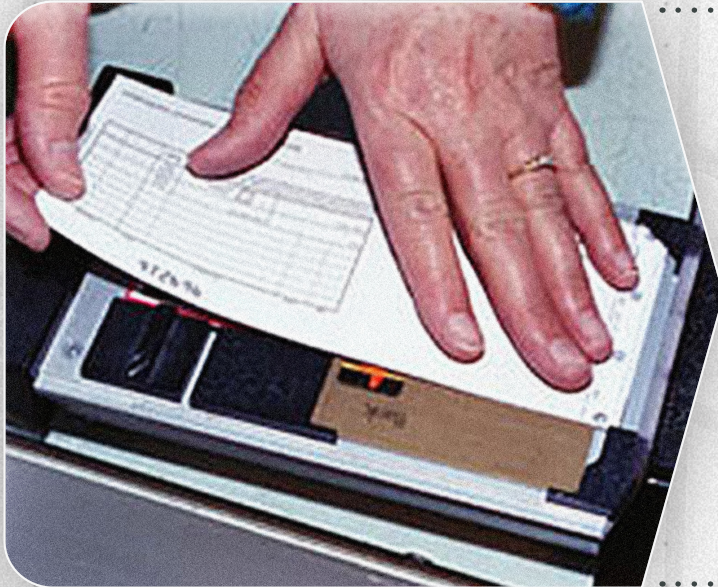
# EU ETS Market transitioning from surplus to scarcity

### EU ETS Supply/ Demand



### EU ETS Projections





Current Carbon Offset  
Creation is **Manual**

Carbon Block is  
**Digitizing** the Process





## TYPES OF OFFSETS

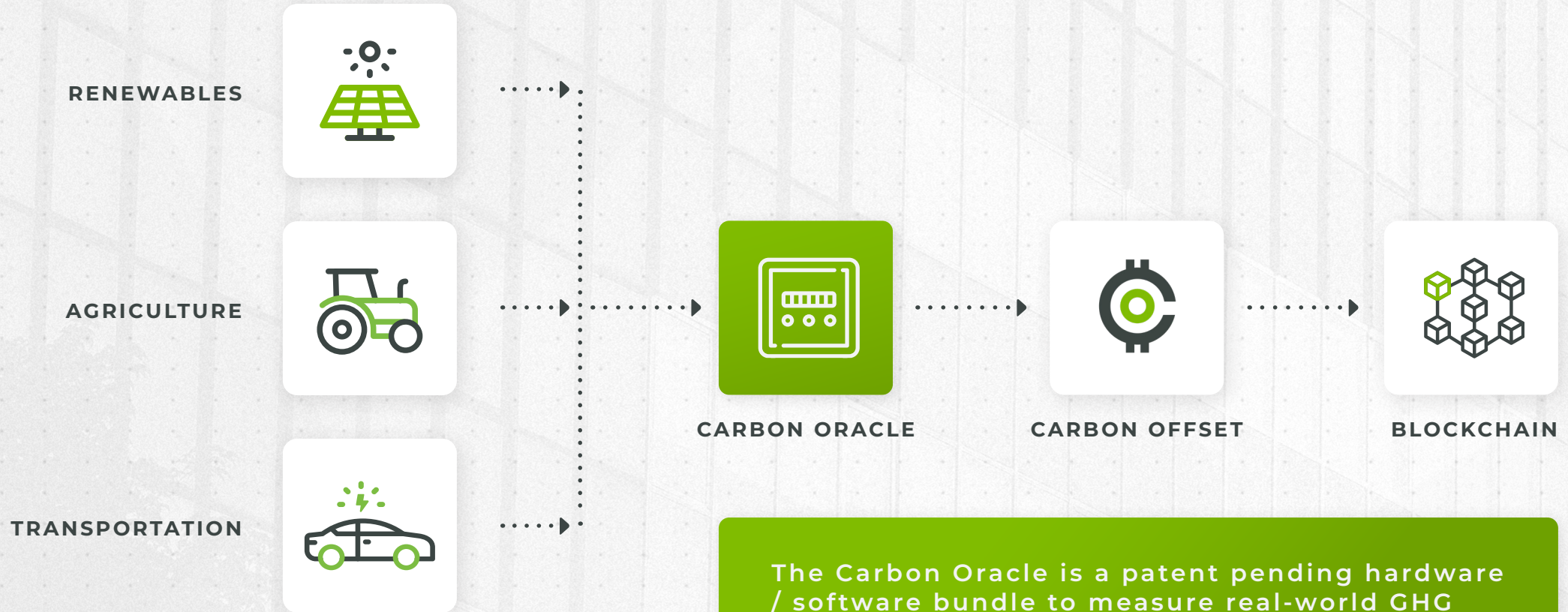
AVOIDED  
**Emissions**



CARBON  
**Sequestration**



# OUR TECHNOLOGY



The Carbon Oracle is a patent pending hardware / software bundle to measure real-world GHG reductions and store the info onto blockchain.

CARBON BLOCK'S  
**Activities**



**4R Nutrient  
Management**



**Cover/  
Inter Crops**



**Cook  
Stoves**



**Ocean-Based  
Solutions**



**Indigenous  
Forests**

**Carbon Offsets Enable**  
*Capital Efficient*  
*Decarbonization*

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