



AGRICULTURA y CO₂

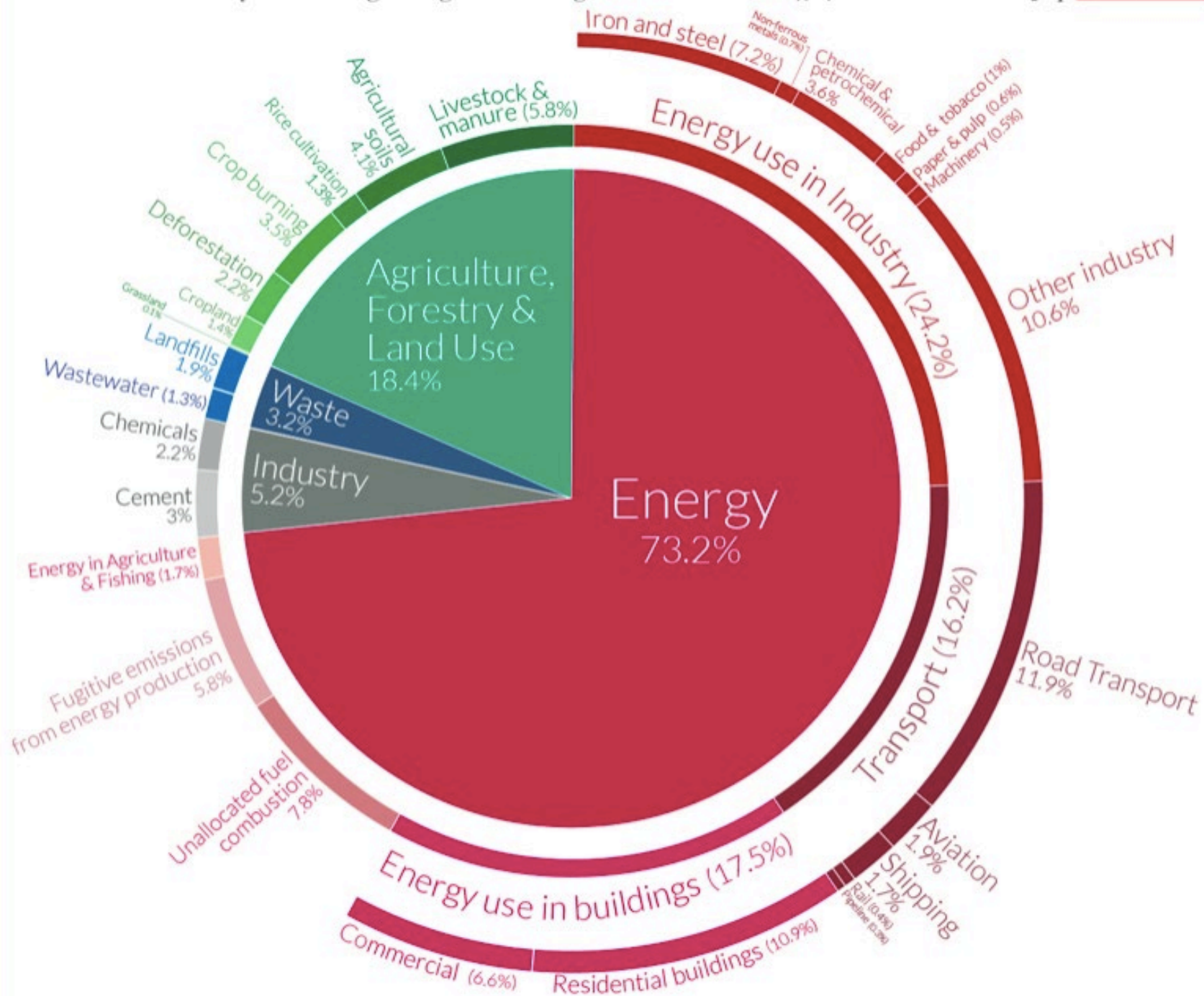
El papel de la AGRICULTURA en una
Catalunya neutra en emisiones de CO₂



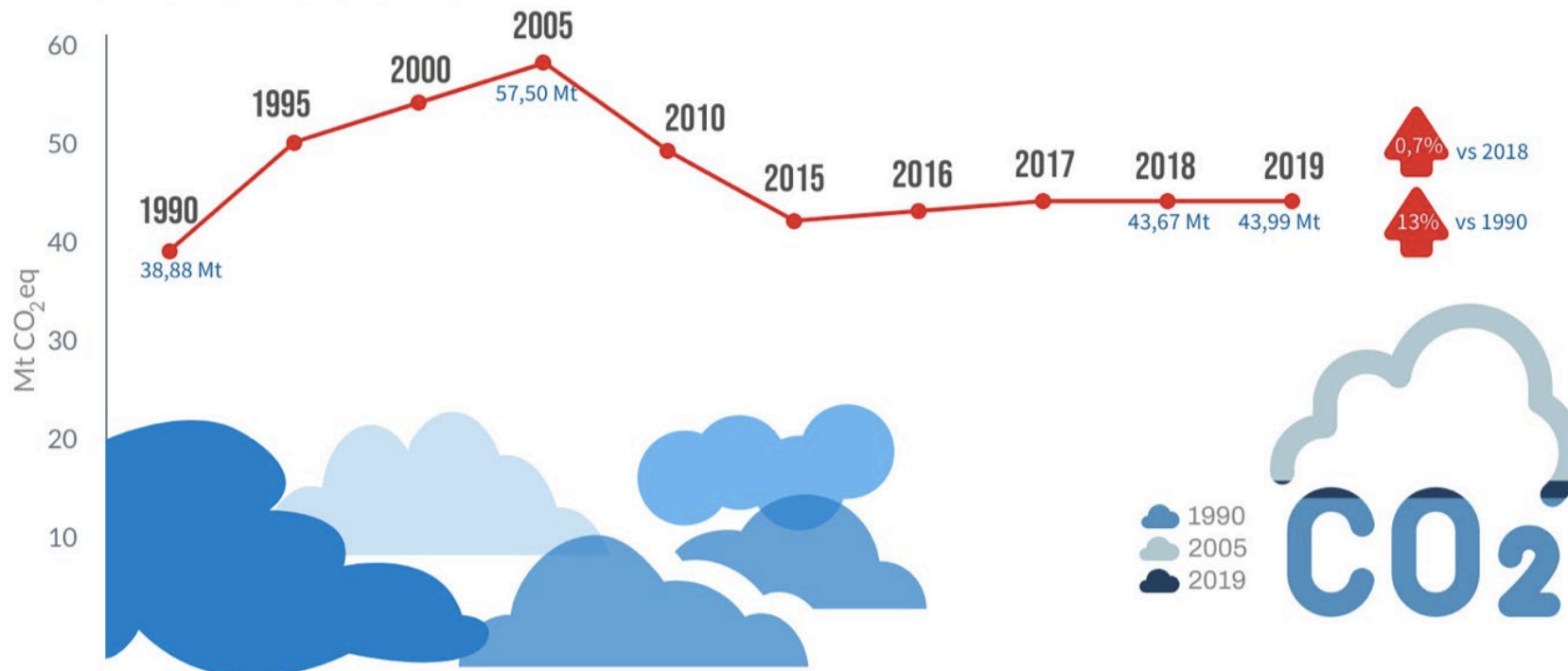
Global greenhouse gas emissions by sector

This is shown for the year 2016 – global greenhouse gas emissions were 49.4 billion tonnes CO₂eq.

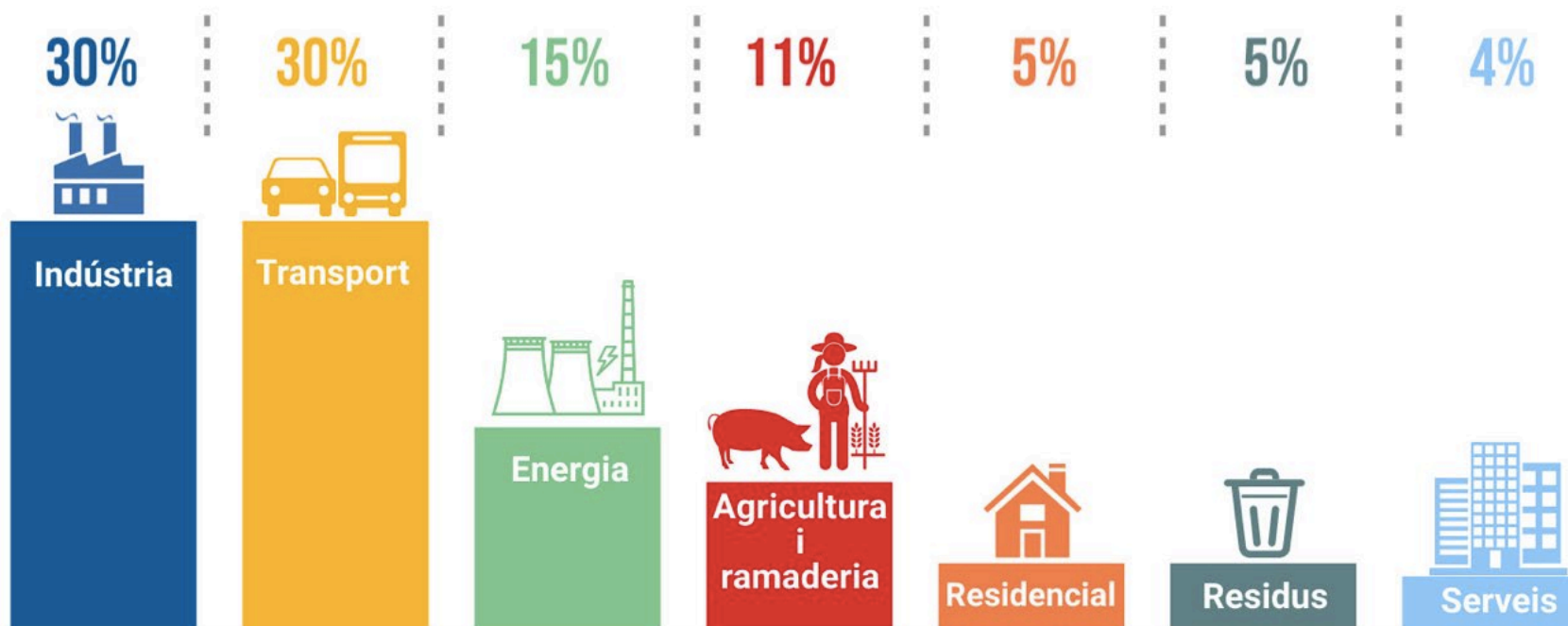
Our World
in Data



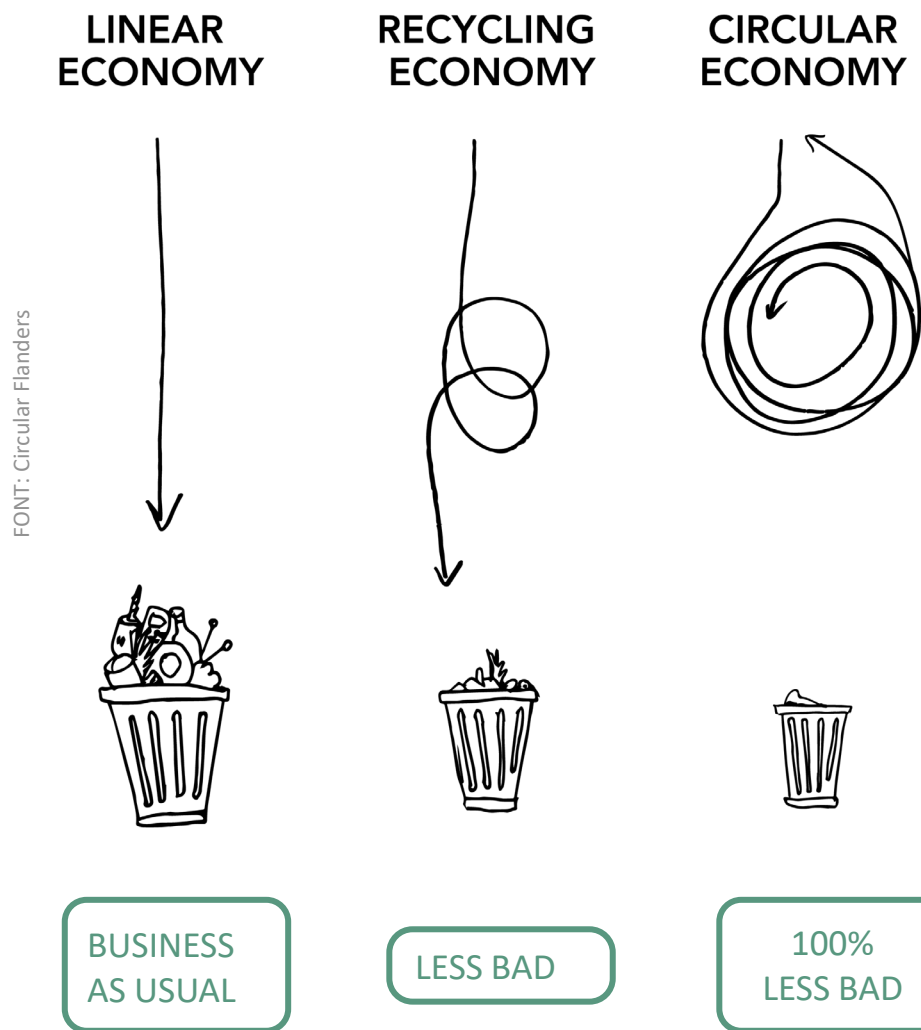
Evolució 1990-2019



Quins sectors contribueixen a les emissions de GEH? Dades 2019



Hacia una Economía Circular



Modelo económico de producción y consumo en el cual los recursos y servicios están diseñados para **mantener su valor** mientras circulan por la economía.

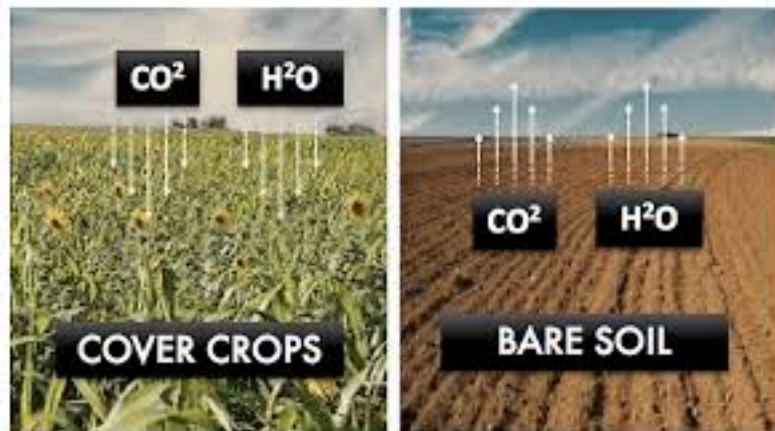
El residuo es eliminado por diseño. La Economía Circular es **regenerativa por diseño**.

El **crecimiento económico** se desacopla del consumo de recursos no renovables

PRATICANDO UNA
**AGRICULTURA
REGENERATIVA**

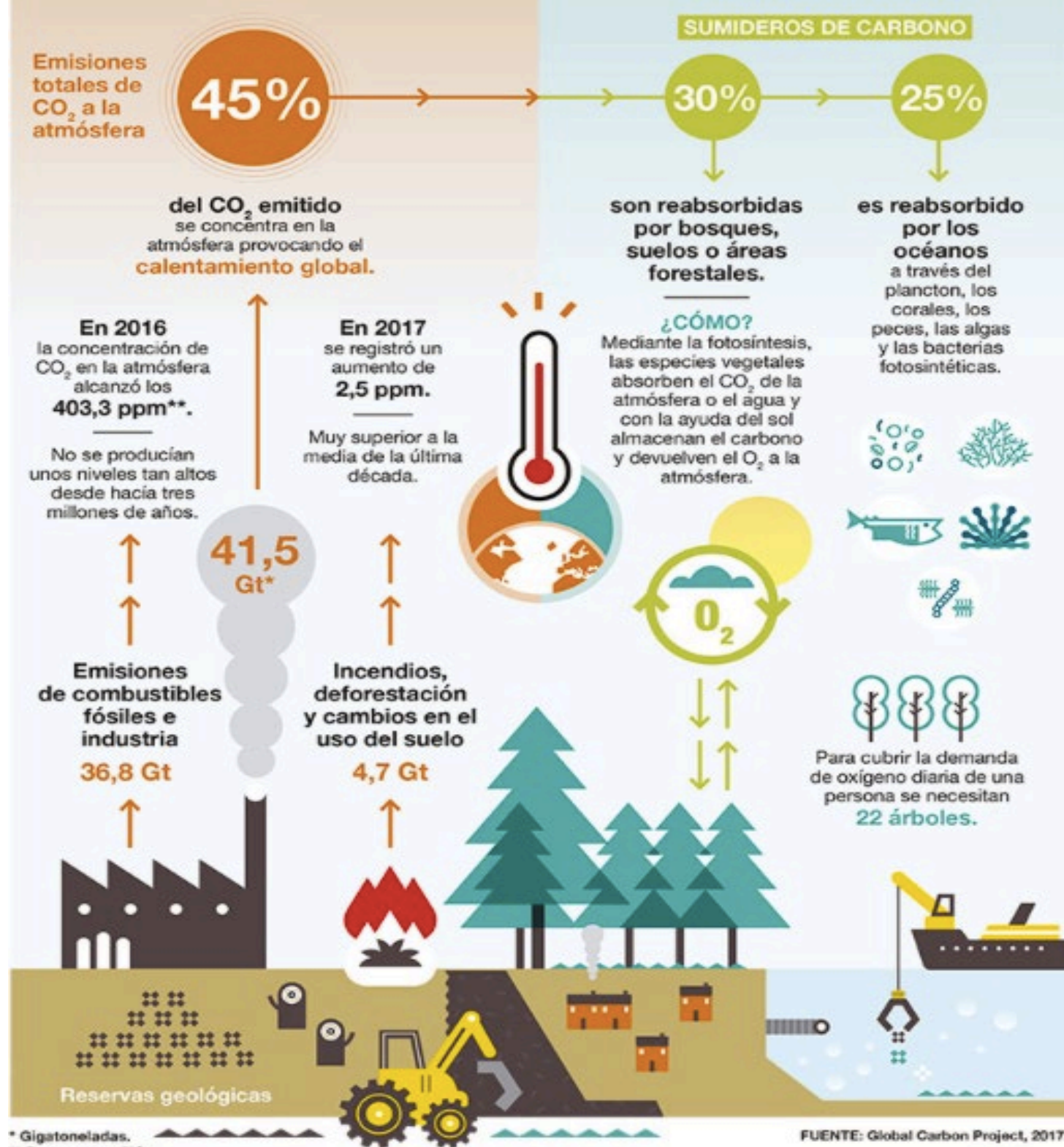


**LA AGRICULTURA PUEDE
CAMBIAR EL MUNDO**



 kisstheground





* Gigatoneladas.
 ** Partes por millón.

Las prácticas de AGRICULTURA SOSTENIBLE como agente clave de mitigación del cambio climático (y despoblamiento rural)

SISTEMA RURAL

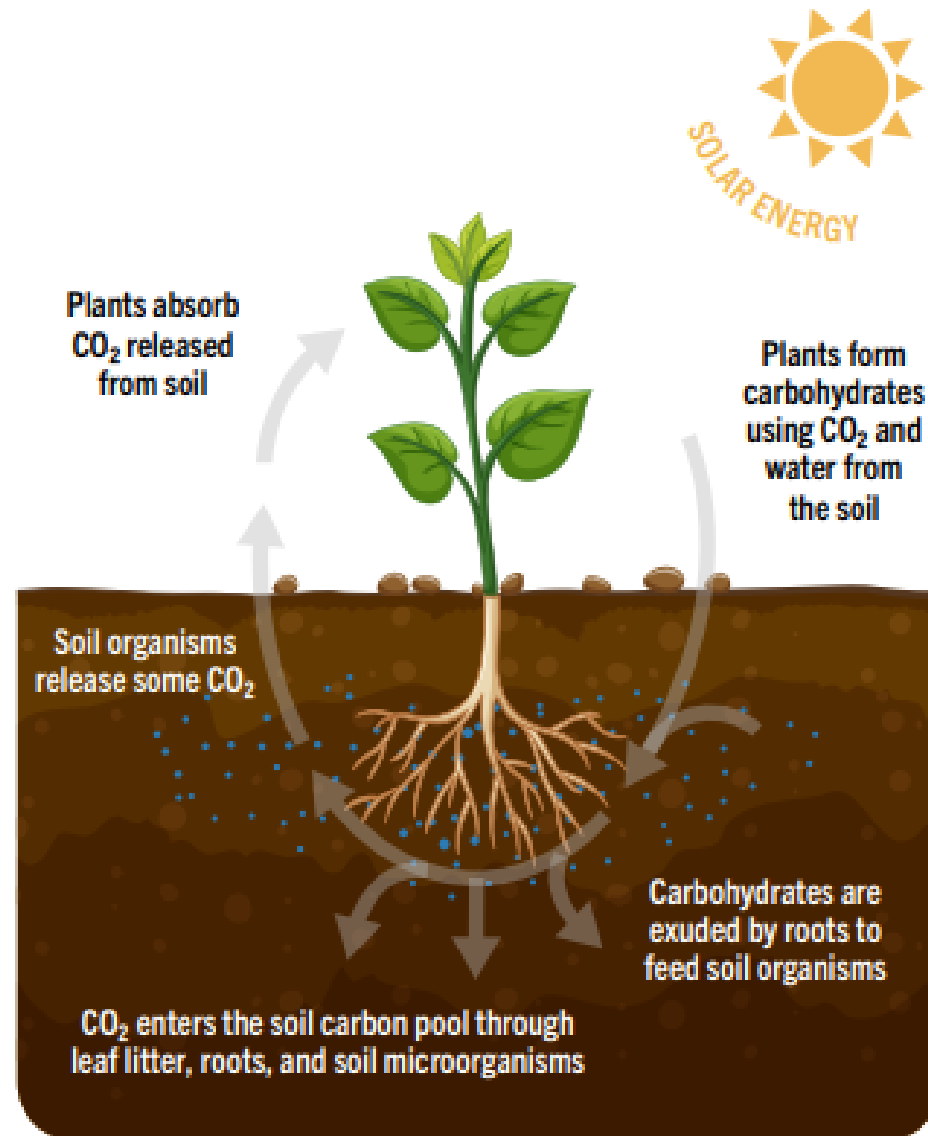
AGRICULTURA REGENERATIVA

Depura H_2O

Provee de alimentos sanos

Mantiene el capital natural

Absorbe CO_2





Las soluciones basadas en la naturaleza que eliminan el carbono de la atmósfera pueden ayudar a la UE a lograr la neutralidad climática y, por lo tanto, deben ser recompensadas.

Las prácticas de AGRICULTURA SOSTENIBLE como agente clave de mitigación del cambio climático (y despoblamiento rural)

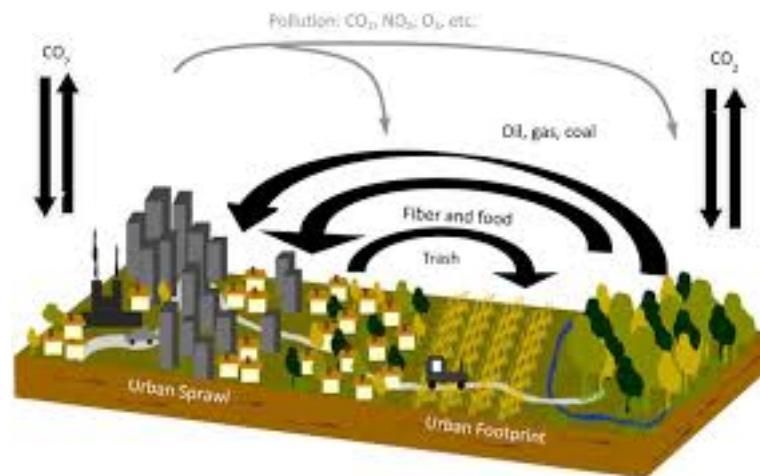
Depura H_2O

Provee de **alimentos sanos**

Mantiene el **capital natural**

Absorbe CO_2

SISTEMA RURAL AGRICULTURA REGENERATIVA



SISTEMA URBANO MERCADO ECONÓMICO

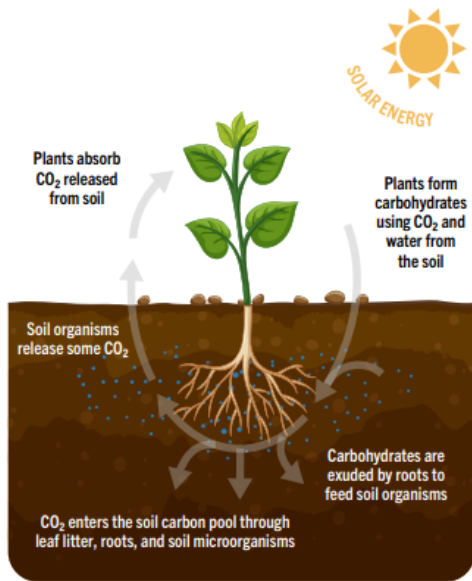
Genera CO_2

Genera **residuos**

Consume **alimentos**

Necesita **medio natural**
(ocio)

INICIATIVA de CULTIVO del CARBONO (Carbon Farming initiative)



CARBON FARMING INICIATIVE Iniciativa de Cultivo de Carbono

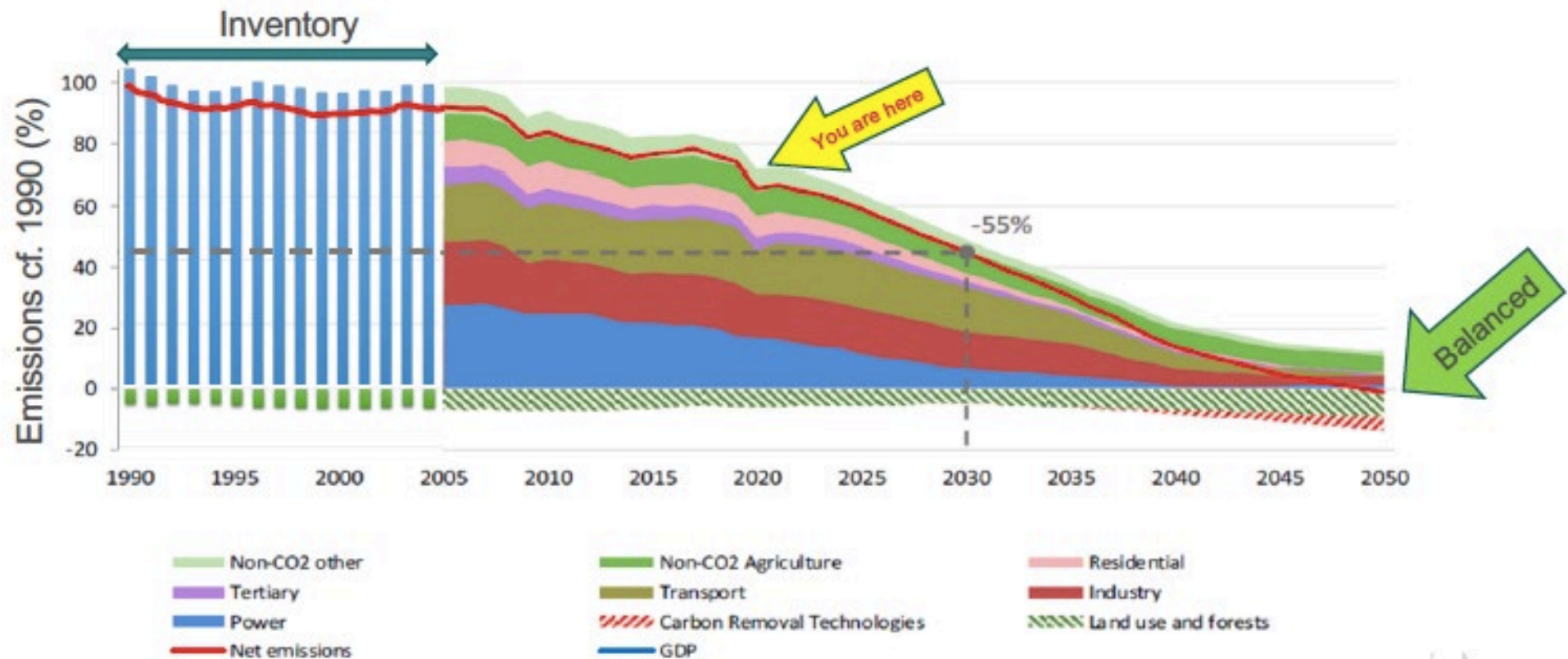
Los suelos como sistema de almacenamiento del CO₂ atmosférico a través de las prácticas de la agricultura sostenible / regenerativa

El suelo es una de las formas más efectivas de atrapar el carbono. La siembra directa, el uso de nitrógeno de precisión o los cultivos de cobertura ayudan a retener aún más el CO₂, a reducir el uso de combustibles fósiles y la emisión de gases de efecto invernadero.

Esquemas de pago por resultados

INICIATIVA de CULTIVO del CARBONO (Carbon Farming initiative)

Pathway to climate neutrality



INICIATIVA de CULTIVO de CARBONO

(Carbon Farming initiative)



El Cultivo del Carbono (basada en resultados) puede **contribuir significativamente a los esfuerzos de la UE contra el cambio climático**, aportando beneficios colaterales importantes:

- incrementa la biodiversidad,
- preservación de los ecosistemas naturales,
- equilibrio de la riqueza (nuevas oportunidades de ingresos a los agricultores)

Se incentiva la realización de **iniciativas piloto a nivel regional o local para coger experiencia**:

- sistemas de certificación de absorción de carbono,
- monetización de los intangibles,
- Políticas de incentivos

INICIATIVA de CULTIVO de CARBONO (Carbon Farming initiative)

Key policy questions on the way to 2050

How to set ambitious and credible targets for LULUCF and agriculture at the level of Member States?



Review of the LULUCF Regulation
Commission proposal in June 2021

LULUCF (Land use, land use change and forestry): reglamento sobre el uso de la tierra y la silvicultura

How to bring better incentives to farmers and foresters and create a better business model?

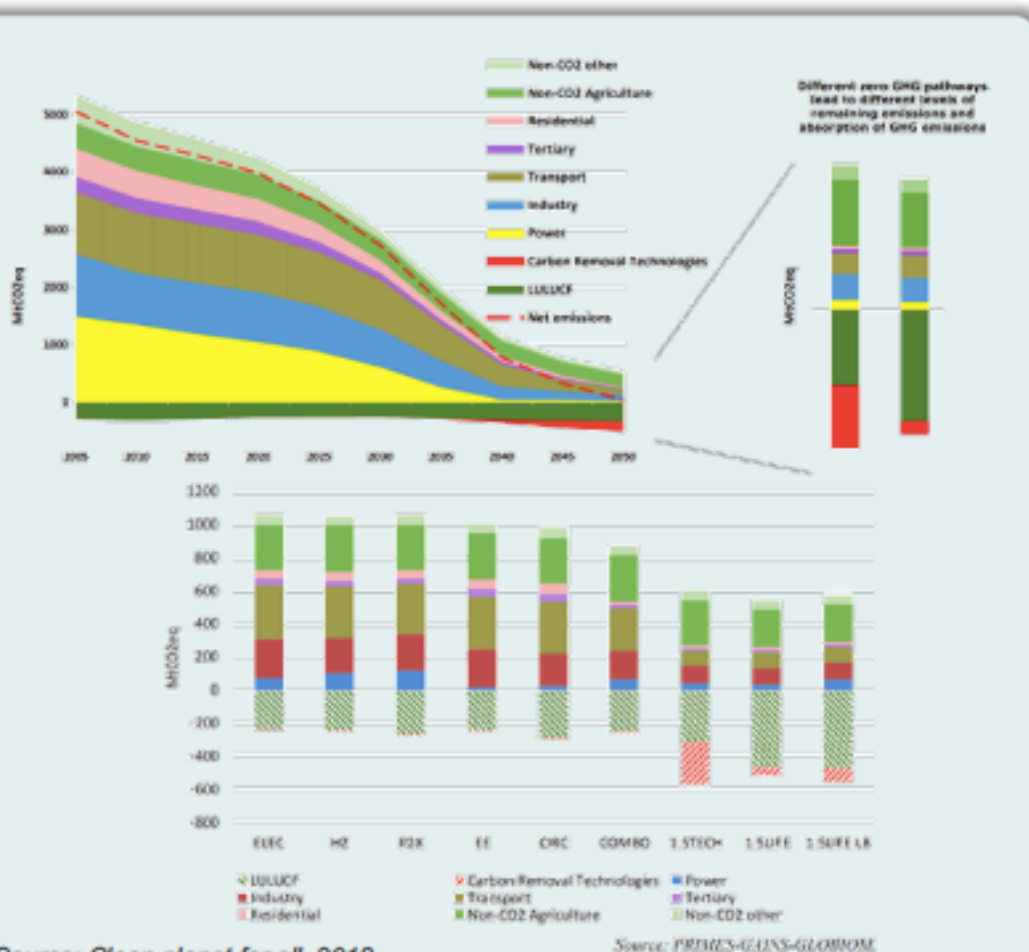


Carbon farming initiative
Q3 2021

Certification of carbon removals
Commission proposal in June 2022/23

INICIATIVA de CULTIVO de CARBONO (Carbon Farming initiative)

BACKGROUND – NET-NEUTRALITY & GREEN DEAL



Green Deal – CRC-M to close gaps

● Circular Economy Action Plan

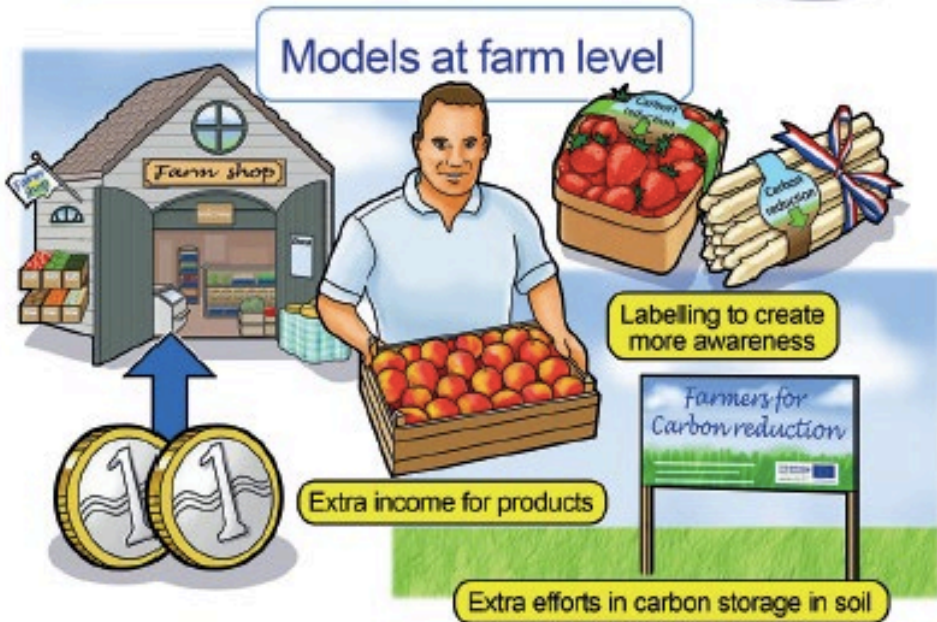
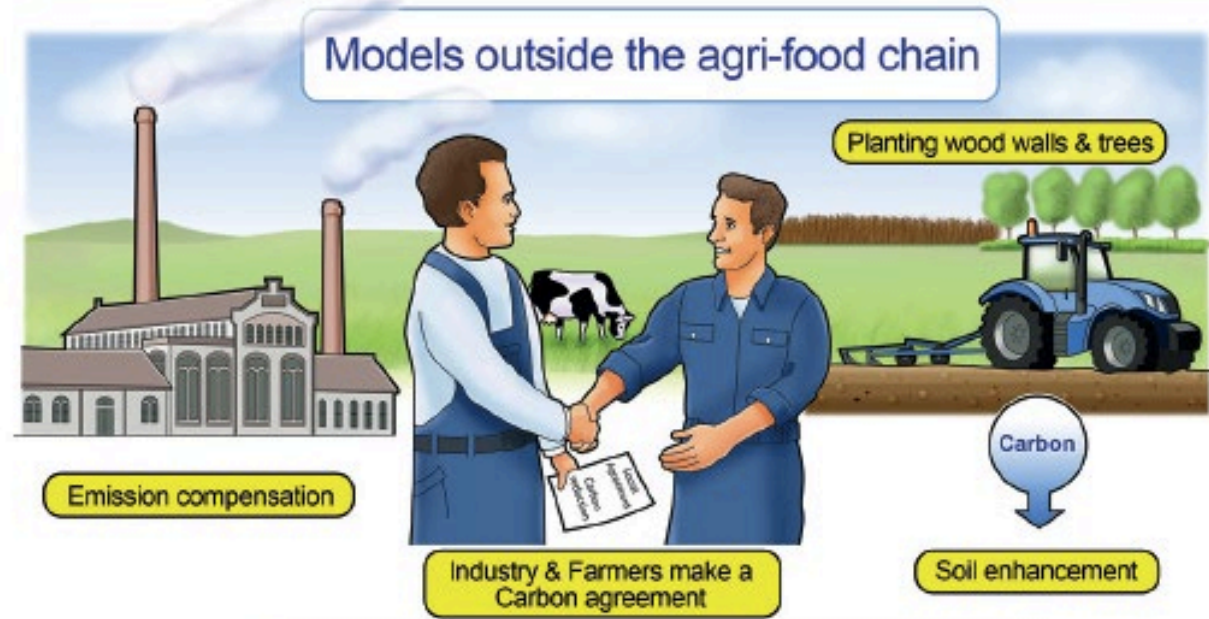
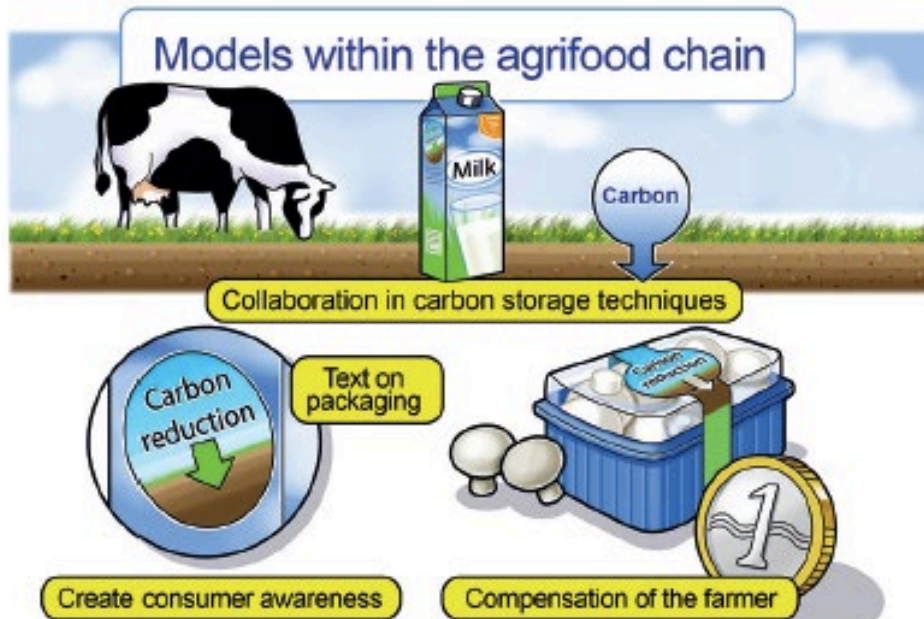
- “To incentivise the uptake of carbon removal and increased circularity of carbon, in full respect of the biodiversity objectives, the Commission will explore the development of a **regulatory framework for certification of carbon removals** based on robust and transparent carbon accounting to monitor and verify the authenticity of carbon removals.”

● Farm-to-Fork Strategy

- “**farming practices that remove CO₂ from the atmosphere** contribute to the climate neutrality objective and **should be rewarded**, either via the common agricultural policy (CAP) or other public or private initiatives (carbon market).”
- “**Robust certification rules for carbon removals in agriculture and forestry** are the first step to enable payments to farmers and foresters for the carbon sequestration they provide.”

Business models for Carbon Farming

Reduce or compensate for CO2 emissions by storing carbon in the soil by applying soils management techniques at farmer's level.



Tuesday - July 21, 2020

Bayer takes steps to make carbon sequestration a farmer's newest crop opportunity

Bayer to reward growers to generate carbon credits by adopting climate-smart practices and creating a new revenue stream on-farm / The initiative makes Bayer the first company to develop a transparent, science-based and collaborative approach to a carbon market in agriculture

[For Farmers](#) [For Buyers](#) [Future of Ag](#) [Resources](#)



[Carbon](#) [Biologicals](#) [Marketplace](#) [Transport](#) [About](#) [Careers](#)

Enrich Your Soil, Improve Your Profit Potential with Carbon by Indigo

SEE POTENTIAL EARNINGS

HAVE AN ACCOUNT? LOG IN →

PEPSICO UNVEILS AMBITIOUS NEW AGRICULTURE GOALS

[f](#) [t](#) [in](#) [e](#) | APR 20 2021

AS THREATS FROM CLIMATE CHANGE MOUNT, THE COMPANY'S POSITIVE AGRICULTURE STRATEGY FOCUSES ON REGENERATIVE FARMING PRACTICES AND EMPOWERING FARMING COMMUNITIES.

"Any plan to tackle the urgent challenges facing the global food system must address agriculture, the source of nourishment for billions and a key lever to address climate change and inequality," says PepsiCo Chairman and CEO Ramon Laquarta.

Model including government institution: Label Bas Carbone (France)

**LABEL BAS
CARBONE**

Context

The objective of the label 'Bas Carbone' is to contribute to the fight against global warming in France. The label was created by the Ministry of Ecological and Solidarity Transition, in collaboration with different partners.

The initiative wants to support the set-up of voluntary projects in the field of reduction of greenhouse gas emissions and carbon sequestration that go beyond the current regulation and common practice.

The label wants to answer the demand on voluntary, local compensation of greenhouse gas emissions. Communities, companies, and even citizens, are ready to remunerate actions beneficial for the climate on a voluntary basis, for example to offset their residual emissions. To get involved, these potential funders want the quality and environmental integrity of projects to be labelled. 'Label bas carbone' offers them these guarantees and thus makes it possible to direct funding towards virtuous projects for the climate and the environment.

Concept

Projects promoting carbon sequestration by agriculture are emerging in recent times. 'Label bas carbone' helps companies and communities to buy carbon credits from farmers. In order to be able to remunerate the tonnes of CO2 equivalent avoided or sequestered, quantification in a reliable and transparent manner is required. This is the primary role of the label, since it is a framework for monitoring, reporting and verifying greenhouse gas emission reductions, achieved voluntarily by natural or legal persons in various business sectors.

The label's second role is to ensure the traceability of funding, via its register, to ensure that the same tonne of CO2 avoided or sequestered is not funded, used or sold more than once.

PROBAR, PROBAR, PROBAR... para APRENDER

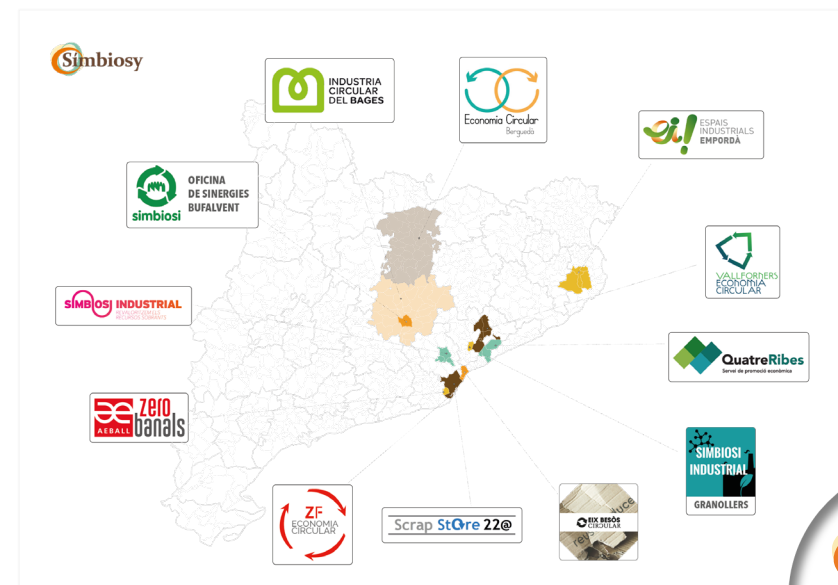
El papel de la AGRICULTURA en una Catalunya neutra en emisiones de CO₂

APRENDER a:

1. Cuantificar las emisiones globales de CO₂ del territorio: movilidad, industria, agricultura, ganadería + costes ambientales
2. Identificar cultivos y mejores prácticas agrícolas con potencial captador de CO₂
3. Estimar el potencial de captación de CO₂ aplicando las mejores prácticas disponibles + capacidad sumidero CO₂ + otros beneficios colaterales
4. Identificar líneas de retribuciones a agricultores + modelos de negocio



**agricultura
regenerativa**





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don't
lose your
train
think something