

Low Carbon Label in France

Eurocastanea 2022 - Italia

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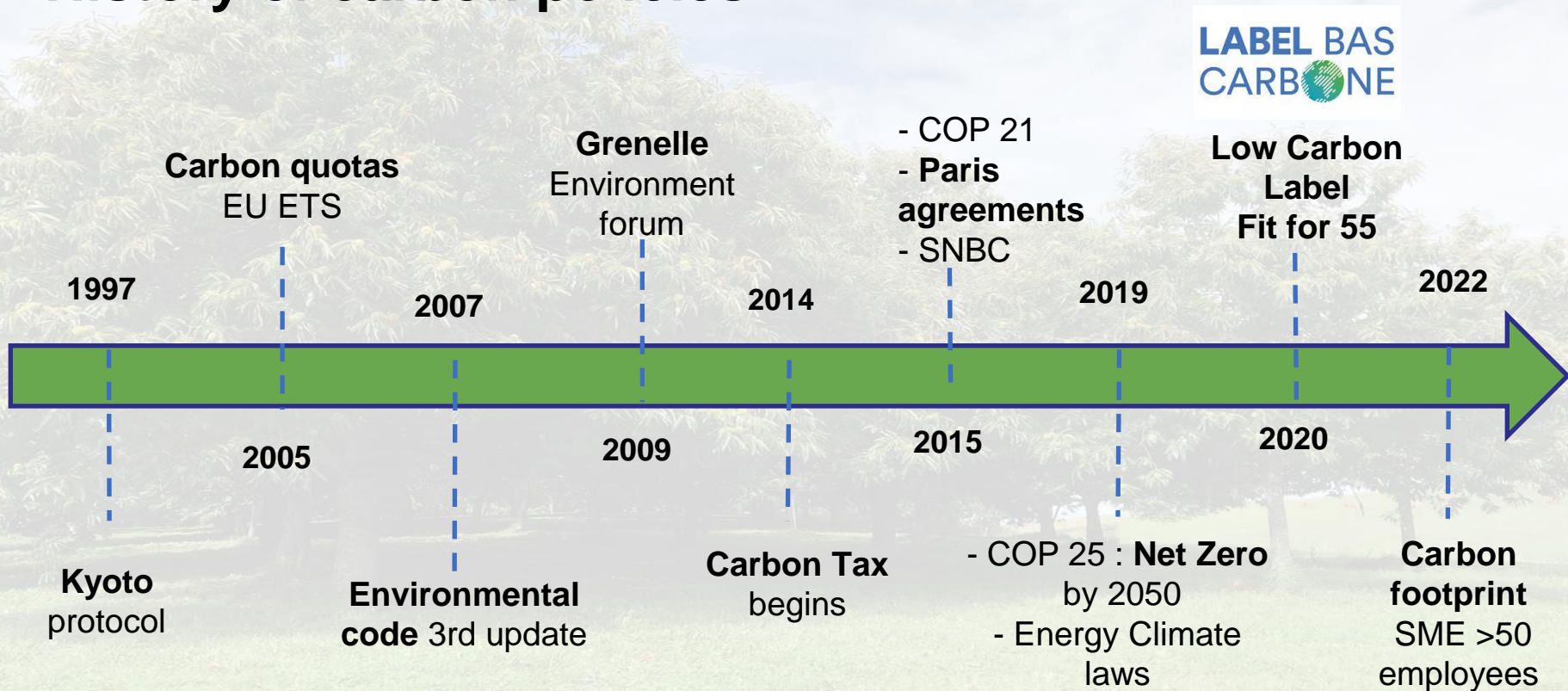
carbonapp

la compensation carbone locale et volontaire

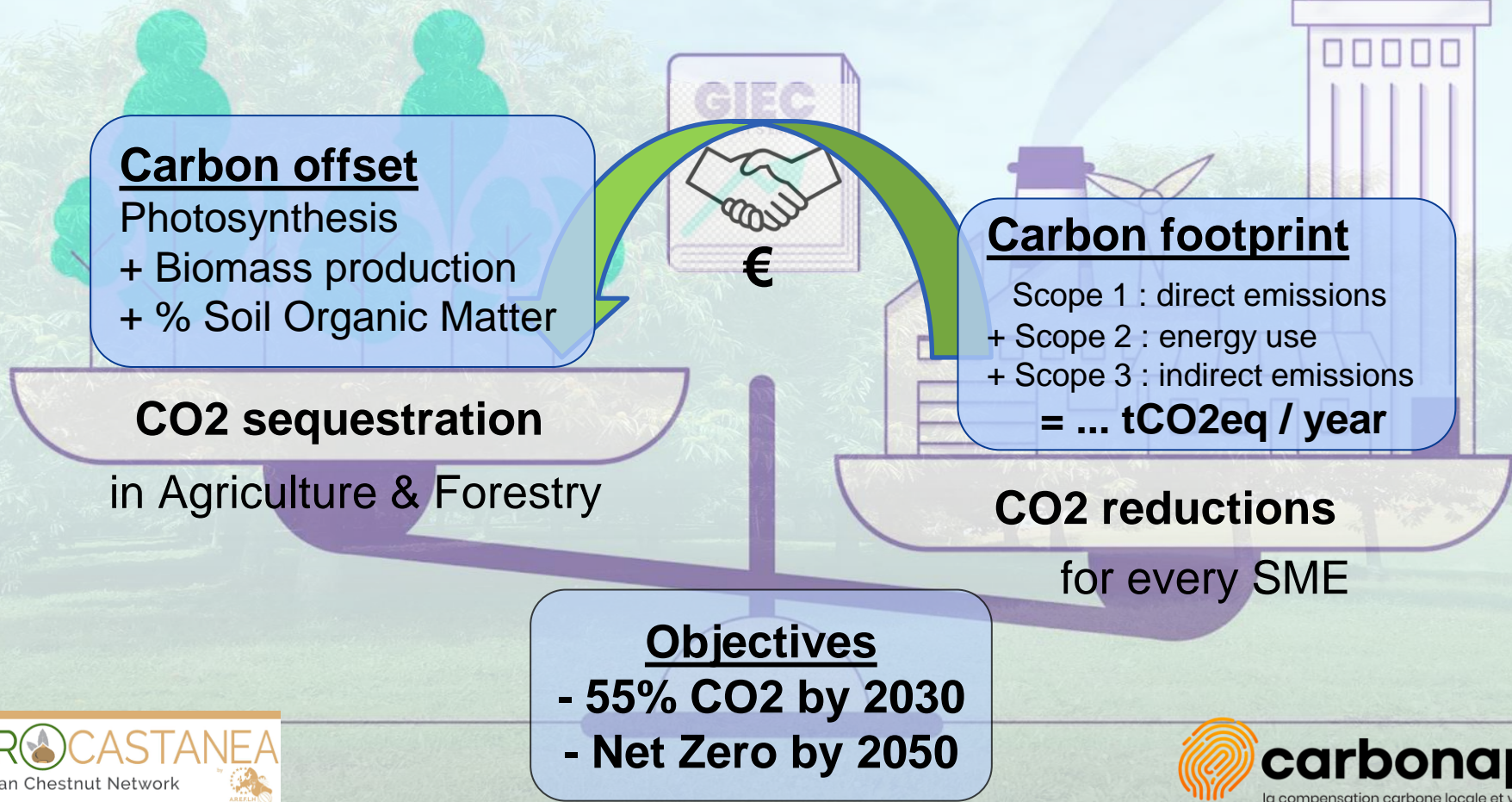
Summary

- **History of carbon policies**
- **Introduction to carbon offset**
- **Low Carbon Label (LBC) in France**
- **LBC for planting new orchards**
- **Carbon offset principle in tCO₂eq/ha**
- **Co-benefits in orchards**
- **Concrete example with chestnut producers in SW France**
- **Market development**

History of carbon policies



Carbon offset on voluntary markets : Net Zero by 2050



Low Carbon Label in France

**LABEL BAS
CARBONE**



**MINISTÈRE
DE LA TRANSITION
ÉCOLOGIQUE**

*Liberté
Égalité
Fraternité*

- **First label driven by a government** vs private labels (VCS, Gold standard, Puro...)
- **Real carbon impact** regarding specific anterior situation
- Accounting **direct + indirect carbon footprint** improvement
- **Additionality** : no project without carbon fundings
- **Monitoring** of emissions and sequestration
- Control by an **independent third party** to validate carbon credits
- **Traceability** to avoid double counting and cheating
- Non-permanence **risk management**
- Social and environmental **co-benefits** (employment, water, biodiversity...)

Low Carbon Label for new Orchards

Eligibility criteria :

- Minimal **density** (40 trees/ha for chestnut orchards)
- Net increase of **orchard surfaces** (CAP declarations for last 3 years)
- Net increase of **carbon storage** (biomass + soil)
- Reduction of **direct + indirect carbon** emissions (fuel, reduced tillage...)
- **Grass covering** >50%
- Public + private **aids available** < 50% (FranceAgriMer...)

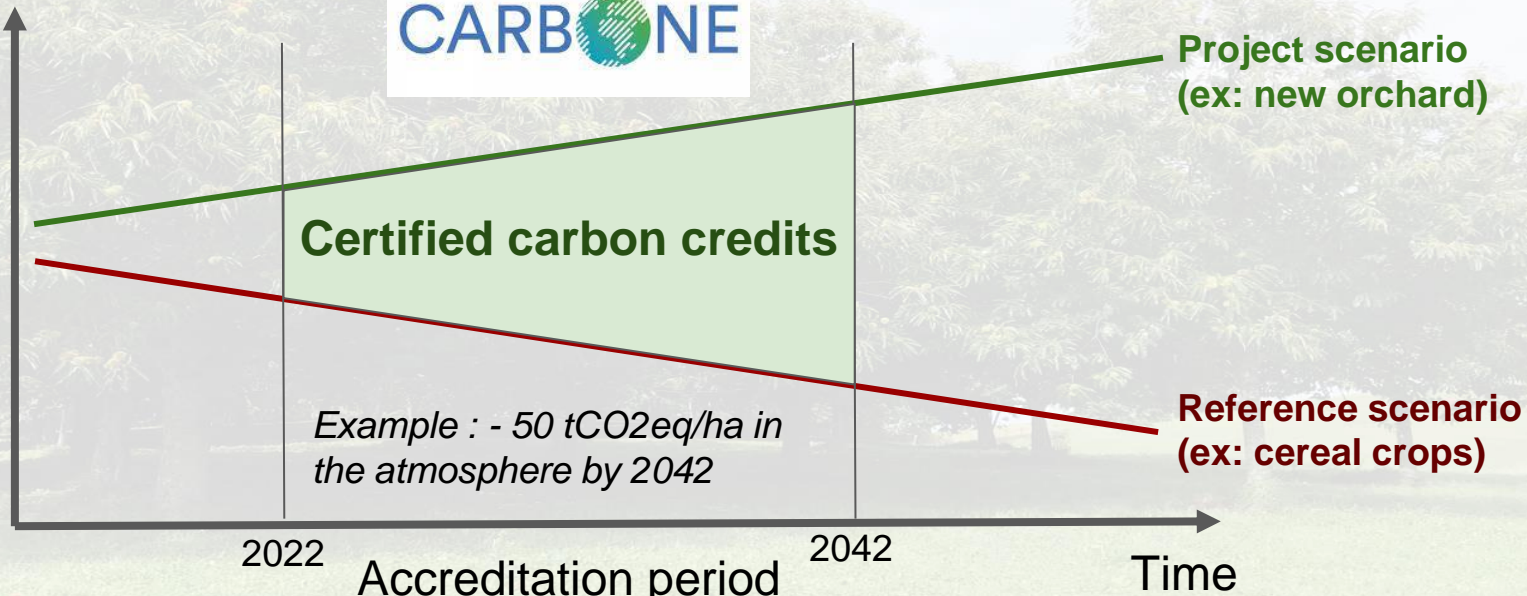
Duration

- **20 years** commitment for the producer
- Independant **control after 5 years** for final validation

Carbon offset principle in tCO₂eq/ha (ex: new orchards)

Net Emissions
tCO₂eq/ha

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Accreditation period
= 20 years for orchards

Co-benefits in orchards projects

Simplified score = HVE label / **Organic** Agriculture Label



Specific score :

- **Socio-economics** : employment, diversified incomes, reduce importations...
- **Soil conservation** : erosion control, increase soil fertility, reduced tillage...
- **Biodiversity** : promote pollinators, avoid or reduce treatments, agro-ecology...
- **Water resource** : permanently grassed area, zero treatment, drip irrigation...

= Global co-benefits score

Helping companies for voluntary funding decisions

Example with chestnut plantation 2021, SW France

Carbonapp Orchard collective project n°1: **37ha** of orchards = **1950 tCO₂eq** offset

- **14,8ha** of **chestnut orchard** (**843 tCO₂eq** = 40% of all orchard projects)
- Average surface : **3ha** (from 1 to 4,5ha)
- Average carbon offset : **57 tCO₂eq/ha** (from 50 to 64tCO₂eq/ha)
- Average price : **61 €/tCO₂eq** (from 56€ to 68€/tCO₂eq if organic)
- Average funding : **3 500€/ha** (from 3 200 to 3 600€/ha)

- Total funding 2021 : **52 000€** for 14,8ha by
- Percentage of funding : **100%**



Adecco



Low Carbon Label Market development today

Total volume **available** : **340 000tCO₂eq** certified LBC in 2021

Already **financed** : 160 000tCO₂eq (**47%**)

Average **price** : **30€/tCO₂eq** (mainly forest plantation)

- Carbonapp Orchard project n°1 : **37ha** of orchards with **61€/tCO₂eq** in average
- Small holder farmers vs big surfaces : **the bigger the cheaper**
- **Companies** are willing to **pay more for organic** than conventional projects
- **14,8ha** of chestnut **in 2021** -> already **42ha** (x3) waiting for fundings **before end of 2022**
- **17 / 20 of orchards LBC projects** financed by Carbonapp in 2021 -> objective **x10 in 2023**

Orchards **method update** + **new LBC method** for preserving existing old orchards

Thank you, grazie mille !

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