



CO₂ncrEAT, a project towards Carbon neutrality in 2050

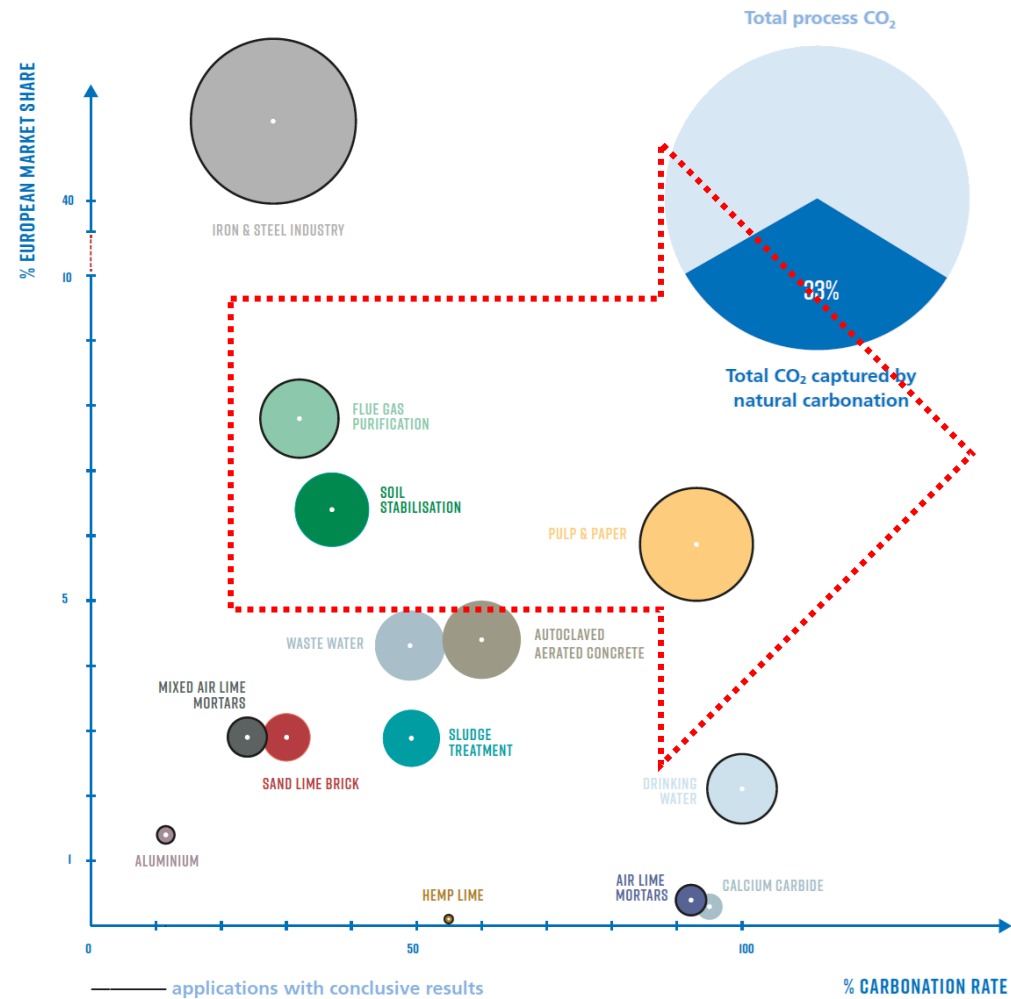
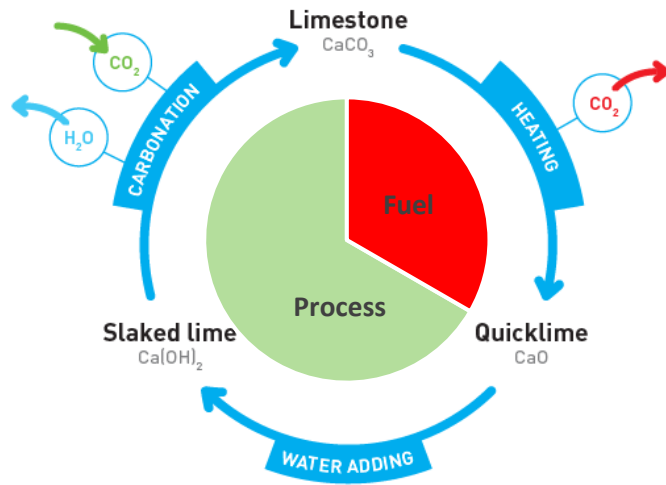
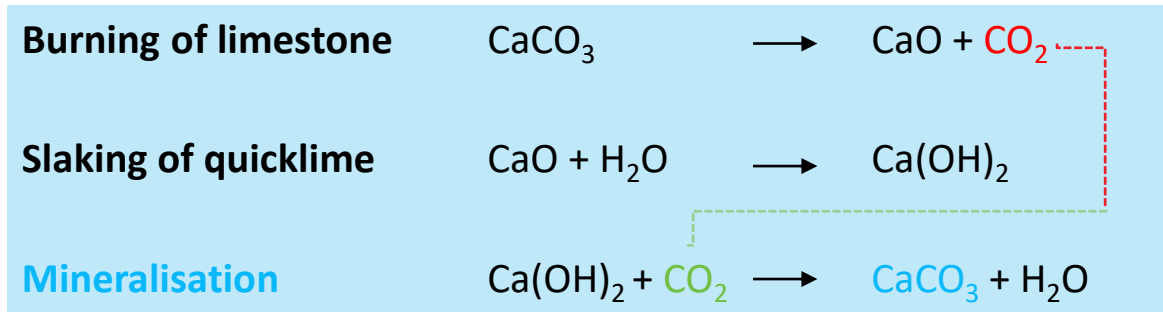
Frederik Verhelst

Business Development Europe

Lhoist 10-2022



Combined CCS and CCU lead to carbon negative contribution for society

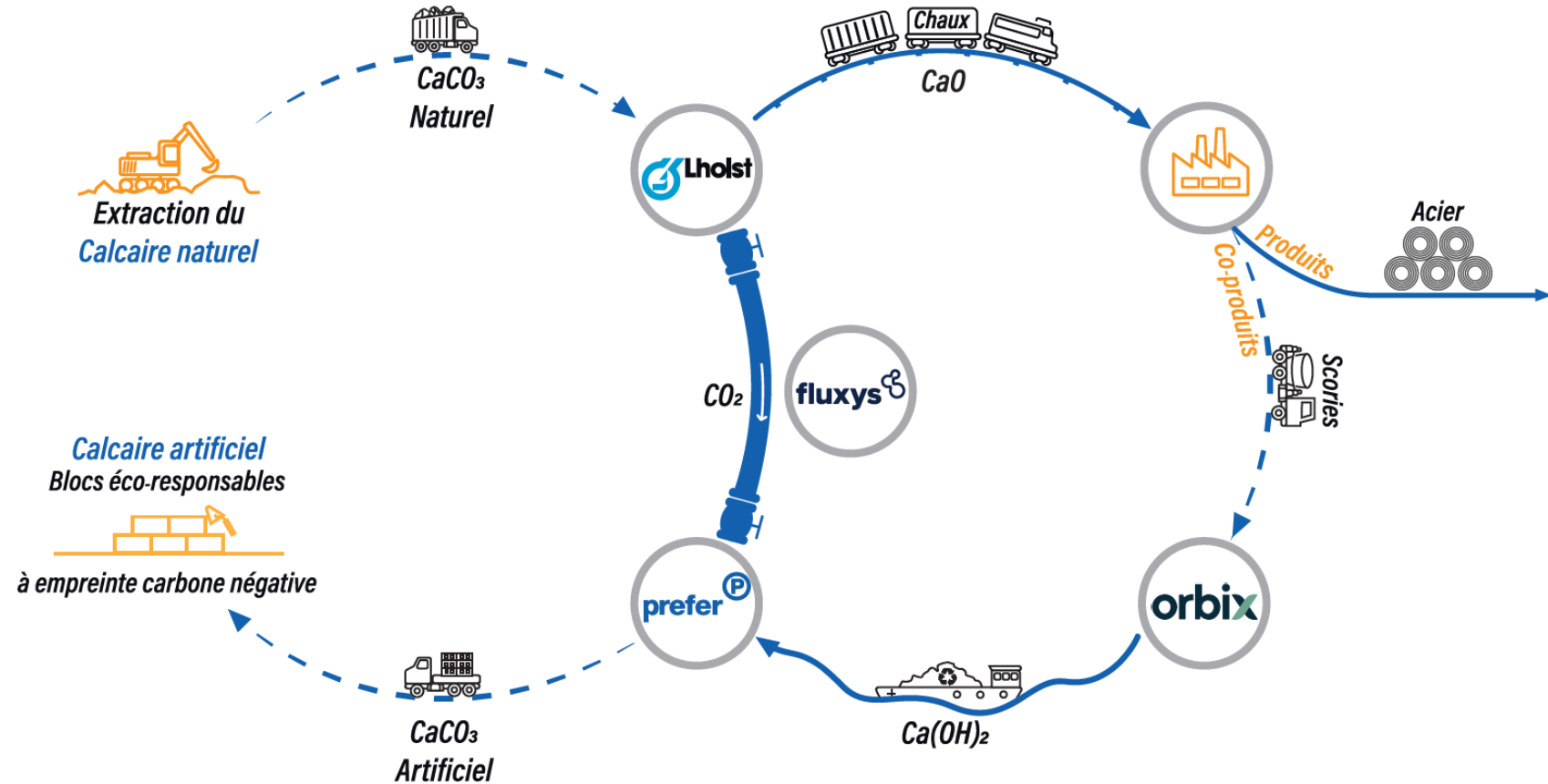


Integrating partnerships

MARS 2022 FR.PLANET-FUTURE.BE

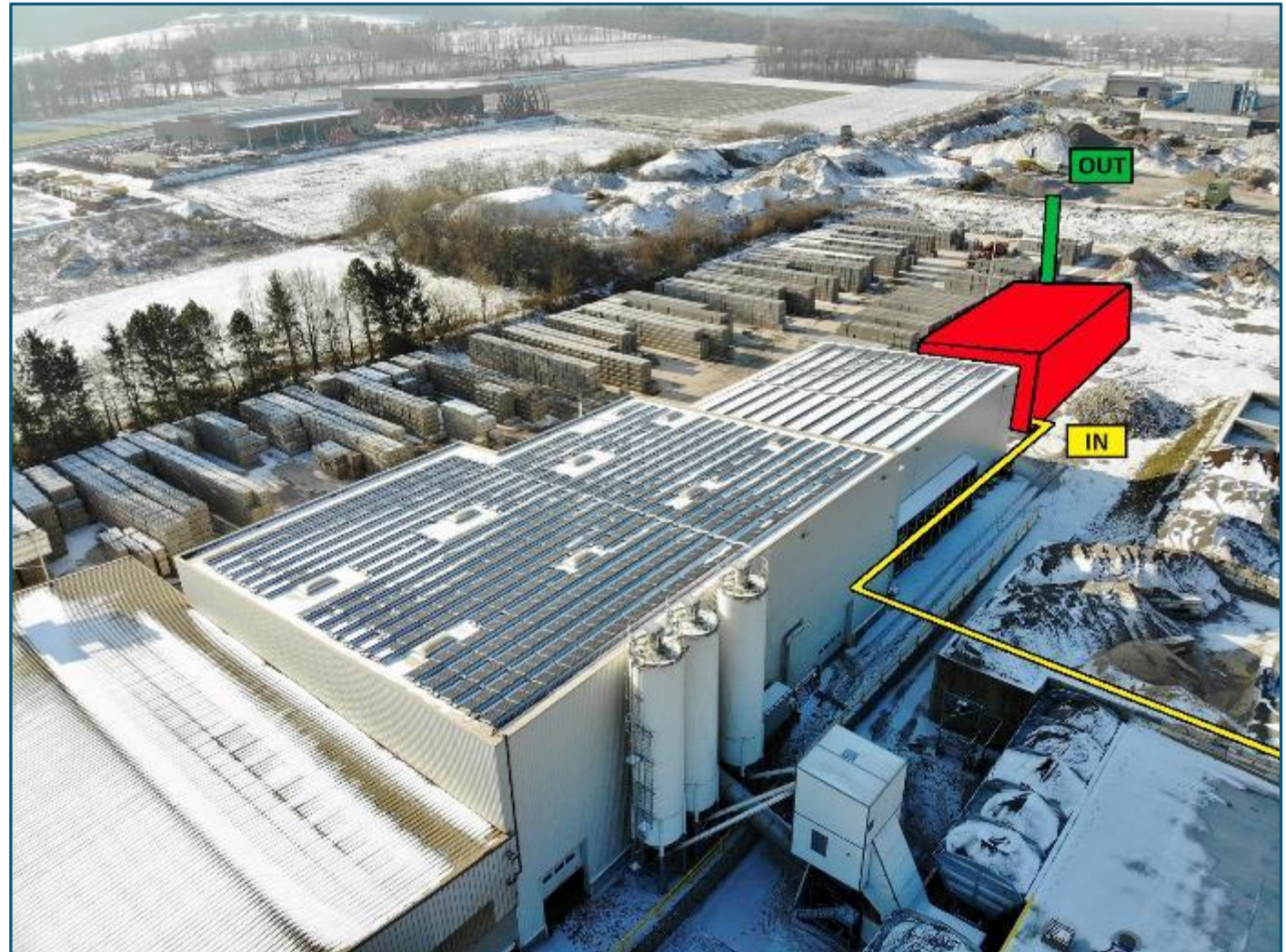
mediaplanet

Innovation



Carbonation as sustainable binder

- › New production unit
- › Industrial development of a building material with positive climate impact compared to existing offer



Le projet

CO₂ncreAT

“Le bloc qui mange du CO₂”

“The block that eats CO₂”



Circular economy

- Combination of two by-products (CO₂ + slags)
- Slags – source of Calcium and recycled sand
- Better use of **natural resources**



Up to 100 kg CO₂-sequestration / ton blocks totalling 200 kt cumulated after 10 years



Industrial CO₂ use leading to **Efficient** CO₂-sequestration and low cost €/ton CO₂



Low energy consumption



Contribution to Net carbon negative over the full value chain