Belgian pilot project: Renewable energy saves biodiversity The case of a local energy cooperative in Bocholt





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Challenge: 'hedges' anno 2019 -> patients for the nursing home

Since 1945:

- Coal, oil fuel, gas... replace energy wood
- Chemical fertilizers + machinery
 -> farmers detach from local ecosystems
- Economic value of hedgerows decreases
- -> hedgerows 'dissapear' or are neglected





Agriculture used to benefit from hedges: giving healthy soil, draining, breaking wind, protecting crops from drought hosting natural enemies of pests, providing clear boundaries...

No management since 1945 No rejuvenation Decay: high costs are coming Relation between hedge and farmer is not good











How did we do this ? We combine: Green, Local, Social, Economical



LAGE KEMPEN REGIONAAL LANDSCHAP

Farmers are paid by the school for the wood chips, so money for the heating stays in the local community

Heat network connects the 250 Kwh boiler to 5 units on the school campus



BOILER and HEAT NETWORK are run by a local cooperative that includes all the local partners (the municipality Bocholt, the 4 schools, Regionaal Landschap Lage Kempen, farmers organisation ABC)





- lokale houtsnippers verwarmen gebouwen in de eigen gemeente -

Finding support for energy from the landscape

Investigative journalism: the schoolkids find out why it is not such a bad idea after all...





Numerous guided tours, discussion meetings, visits to similar boilers, leaflets, film, fb, municipal gazette...

The final piece of the puzzle: a central Biomass hub



BIOMASSA







Giving value to local biomass is difficult due to a too small and fragmented scale...

But when we collect, process and market **centrally** we can turn biomass 'waste' into products

Transport < 50 km's CO2