

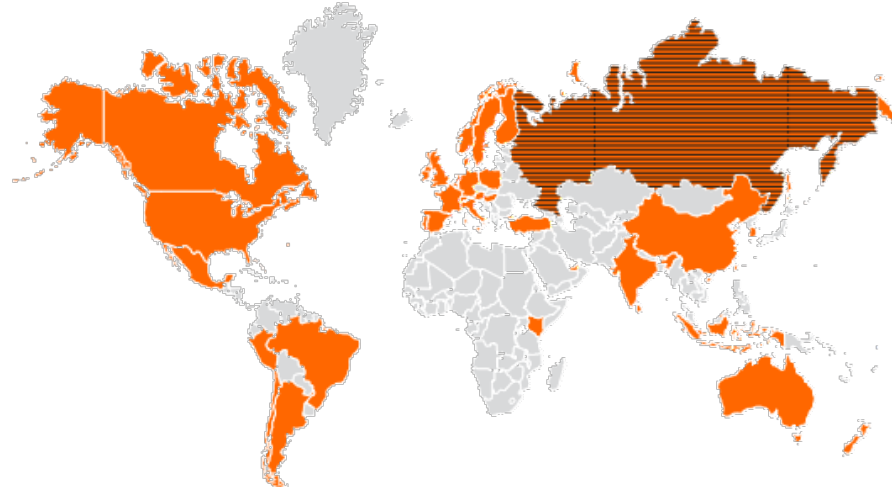
# Acorn

Bringing carbon payments to  
smallholder farmers in the Global South

Emma van de Ven, March 30<sup>th</sup>, Kigali

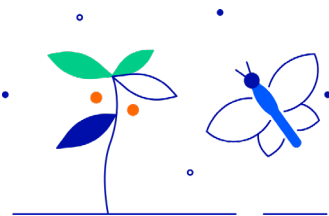
# Rabobank's world's leading cooperative Food & Agribusiness bank founded by Dutch farmers

Founded  
1898

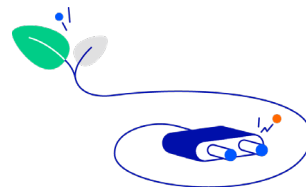


38 countries  
Including the Netherlands

Food Transition



Climate & Energy Transition



Transition to a More  
Inclusive Society



# Acorn realizes carbon payments for smallholder farmers, financing climate adaptation, mitigation & better livelihoods

## Goal

Help **15 million smallholder farmers** and offset 100MT CO<sub>2</sub> annually by 2030

## Method

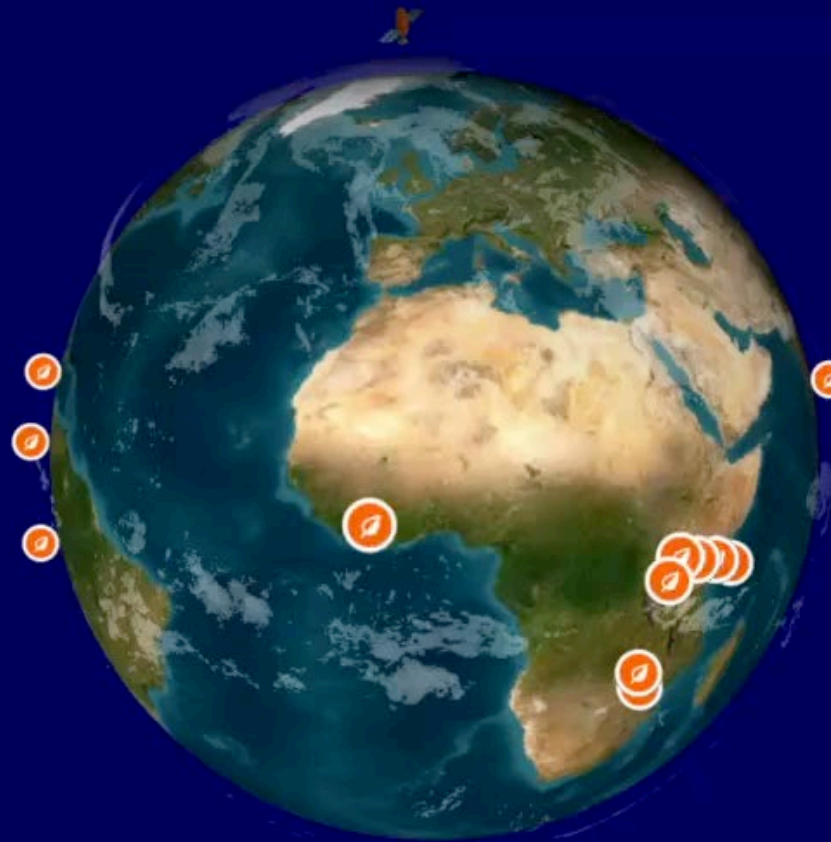
Smallholder farmers transition to **agroforestry** – where trees grow among other crops, leading to better soil quality, diversified income and more sustainable farming

## Product

The biomass increase is measured with **remote sensing** and provides **certified**, nature-based Carbon Removal Units (CRUs), which we offer to **responsible corporates**

## Incentive

The current CRU price is **EUR 31** of which **80%** goes straight to the farmers, in cash and in kind



115,254  
*Farmers*

147,990  
*CRUs sold*

137,505  
*Hectares land*

13  
*Projects*

6  
*Buyers*

8  
*SDGs benefitted*

# The transition to agroforestry holds various benefits compared to today's monoculture



## Monoculture

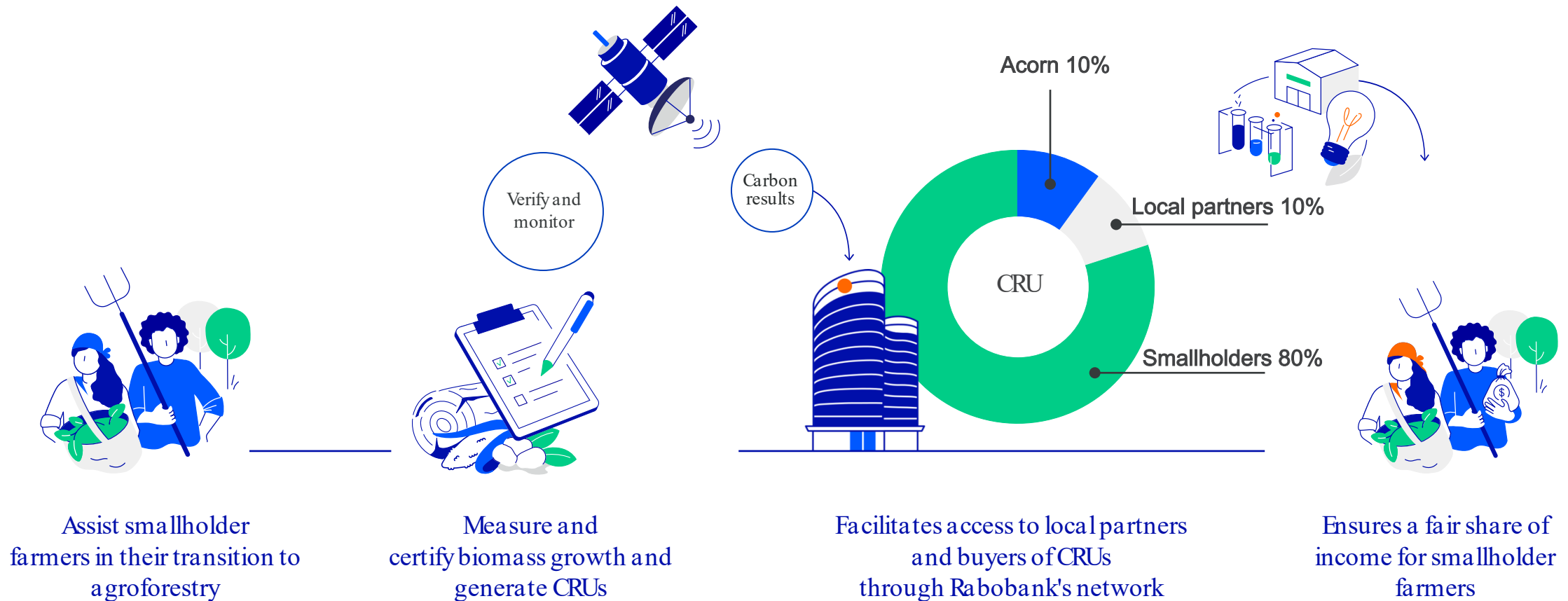
- Depleting soil
- Sensitive to climate change
- Low nutrient diversity
- Low yield per ha
- Income depends on single crop type
- Deforestation / carbon emission



## Agroforestry

- Improving soil health
- Climate & weather resilient
- Diverse, highquality nutrients
- Improved yield per ha
- Income with different harvest streams
- Afforestation / carbon sequestration

# Acorn sequesters CO<sub>2</sub> from the air by helping smallholder farmers transition from monoculture to a groforestry



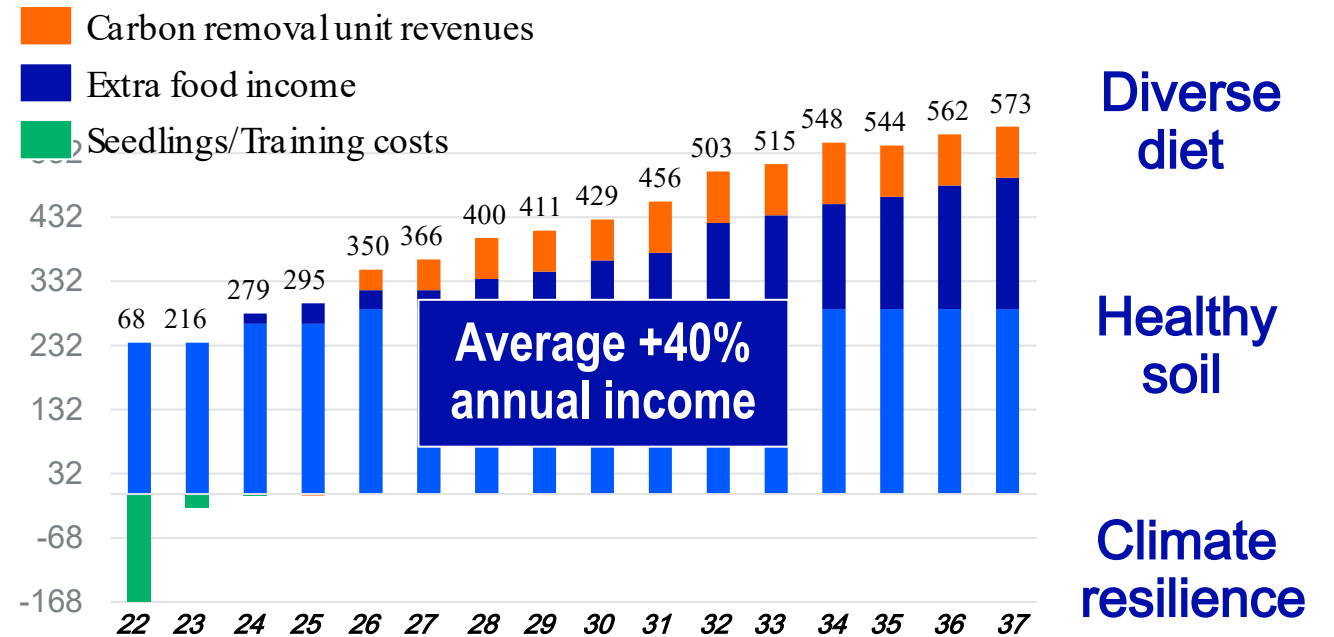
# Carbon farming can hold significant financial and non-financial benefits for an individual farmer allowing for scalable roll out

## Benefits farmer<sup>1)</sup> [USD/ha]

### Agroforestry systems monetized on the carbon market

- 80% of the carbon revenue goes to the farmer
  - Min. 50% of the 80% in cash
  - Max. 50% of the 80% in kind
- 10% goes to the local partner
- 10% goes to Acorn

### Carbon farming example

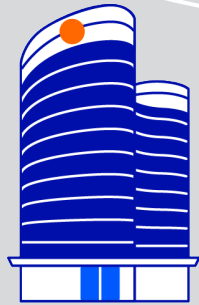


1) Reference agroforestry project for smallholder farmer based on staple crops (maize) with Faidherbia and Grevillea robusta in Zambia

# For all stakeholders this is a ~~win~~ – win

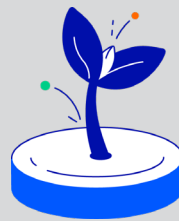
## Rabobank

Support transition to sustainable farming and ensuring food security globally



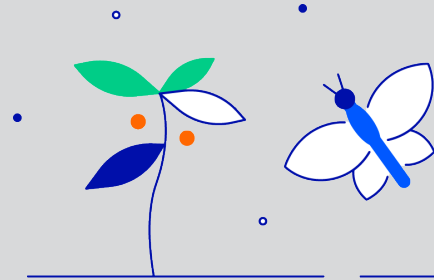
## Smallholder farmers

Climate change adaptation and improved livelihoods



## Regional

Realize food security, biodiversity and land restoration



## Global

Achieve 'net zero' ambition, by realizing additional GHG removals

