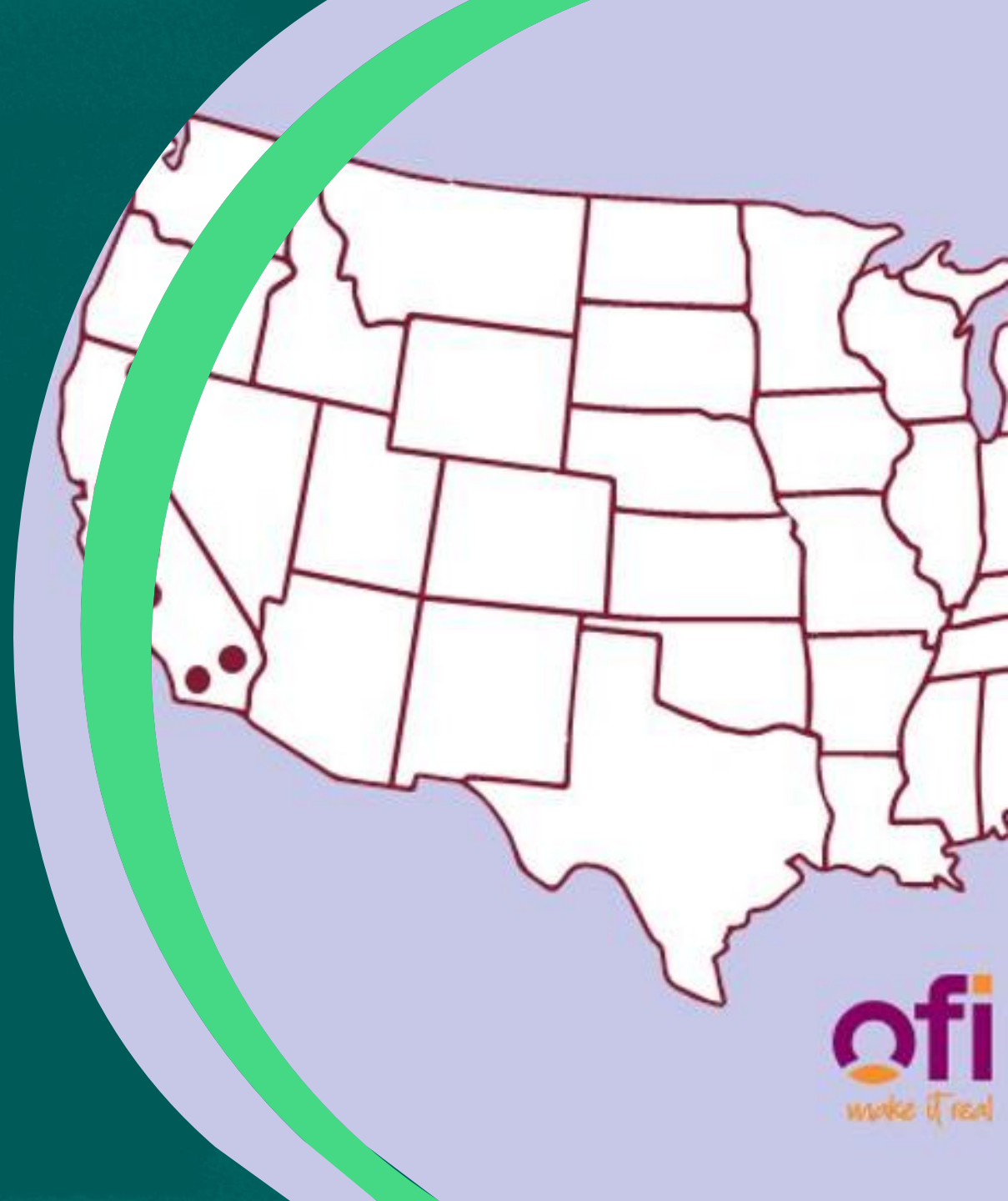


# Case study ofi

## Regenerative Agriculture in onion and garlic





# Case study objectives and approach



## Key objectives

Achieve net zero  
by 2050

Support bringing 2 Mn ha  
under regenerative agricultural  
practices

Engage in 20 Living  
Landscapes

1

Support implementation of  
regenerative onion and garlic  
practices

- Improving soil health; reducing synthetic fertilizer
- Improving on-farm water use efficiency
- Enhancing on-farm biodiversity
- Increasing on-farm energy efficiency

2

Landscape scale meadow and  
forest ecosystem restoration  
in upper watershed

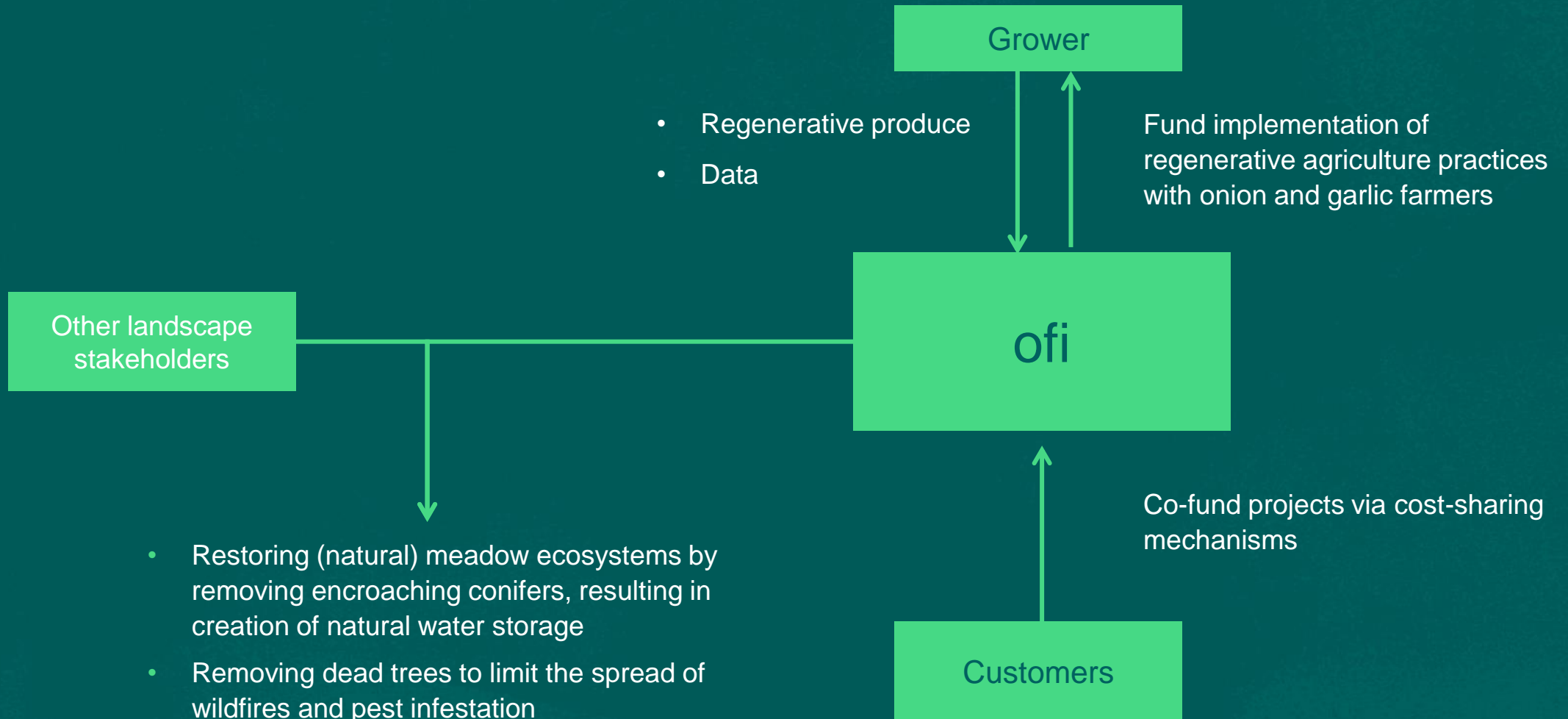
- Multi stakeholder programs to manage agriculture and other activities in a sourcing area
- To enhance nature while supporting community development and livelihoods



## Case study interventions



# Regenerative agriculture and restoration program





# Environmental footprint reduction from regenerative agriculture



## Sub-activity

## GHG reductions\*

## Energy reductions\*

## Water reductions\*

**Animal-based compost fertilizer**

15-20% reduction of onion and garlic emissions during production stage

**Drip irrigation**

70% diesel reduction (compared to baseline)

42% potential reduction in water use

\*Based on scenarios, not actual data





# Environmental footprint reduction from meadow and forest restoration

Sub-activity

**Meadow & forest restoration**



GHG reductions\*

84,308 MT carbon benefit (one-time claim upon project completion)



Water reductions\*

644,699,165 gallons of water replenished (annually for the next 20 years)



Other benefits

Reduced spread of wildfires as dead trees are removed

\*Based on scenarios, not actual data



# Reflections on implementing this intervention



## Company internal process

- **Initial motivation:** Ofi learned about the connection between the health of the upper watershed and downstream agriculture during a meeting with California Water Action Collaborative
- **Creating the internal buy-in and budgets:** Ofi had an internal goal around developing landscape partnerships. Internal buy-in came when ofi partnered with customers to share costs
- **Actions/ internal changes needed:** Ofi works closely with the agricultural production teams and has hired an agronomist



## Challenges along the way

- Field-level implementation had to wait for the right climatic conditions; there were some delays due to fires and snow.
- Because the project is occurring on public lands, carbon benefits are measured and received from the project but they are not verified



# Learnings & recommendations



- Working with **customers and expert partners** is incredibly valuable and a powerful way to make a real impact
- Ofi works with **long-standing grower relationships** (currently on 1-year contract annual contract), where ofi plays an important role in crop rotations (onion & garlic fit well every 4-5 years in off-seasons)
- Instead of a price premium on products, ofi incentivizes working on the Regen Ag program via **cost-sharing for project implementation** between ofi, customers, and sometimes growers. Some grower contribution is in-kind.
- Ofi rewards processor/ growers' sustainable behaviour by **demonstrating the long-term relationship and field-level benefits**
- Ofi and farmers are **gaining trust and support from large customers**
  - In the past, customers wanted specific outcomes and indicators to report on
  - Now, they are more open to understand transformative changes from ofi, brainstorm together, and willing to co-invest in implementation
  - Only there is no willingness yet to pay price premiums