
people
unlimited
Hivos

Hivos experience in Climate Smart Agriculture

“ Cases from Nicaragua, Peru and Kenya”

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Hivos in the world

Rationale

Green Society:

- Beyond Value Chain Approach
- From the Lens of Landscapes
- Systemic Change – Scale (effects & impacts)
- Challenging Food Systems

Hivos & Climate Smart Agriculture

- Long Track Record in Sustainable Agriculture
- Evidence Base on Renewable Energy
- Knowledge Management
- Companies -> Carbon footprints

–> Renewable Energy –> Carbon Finance
–> Sustainable Agriculture –> PES & Carbon

PES & Carbon

- Productivity (soil fertility)
- Food Security
- Adaptation to Climate Change
- Mitigation of GHG

Throughout Multi-Actor Initiatives

Acknowledging Planetary Boundaries

\+ **Bio-based Economy** -> beyond food agriculture/nature needs to provide more products to replace fossil based economy

Hivos & GoldStandard & CSA

Pilot projects to test new CSA methodologies

- Peru: conversion from rice to banana and cocoa with timber (agroforestry systems)
- Nicaragua: farm restoration from degraded land (coffee, fruit trees and other)
- Kenya: usage of bio-slurry from biogas digester as alternative fertiliser

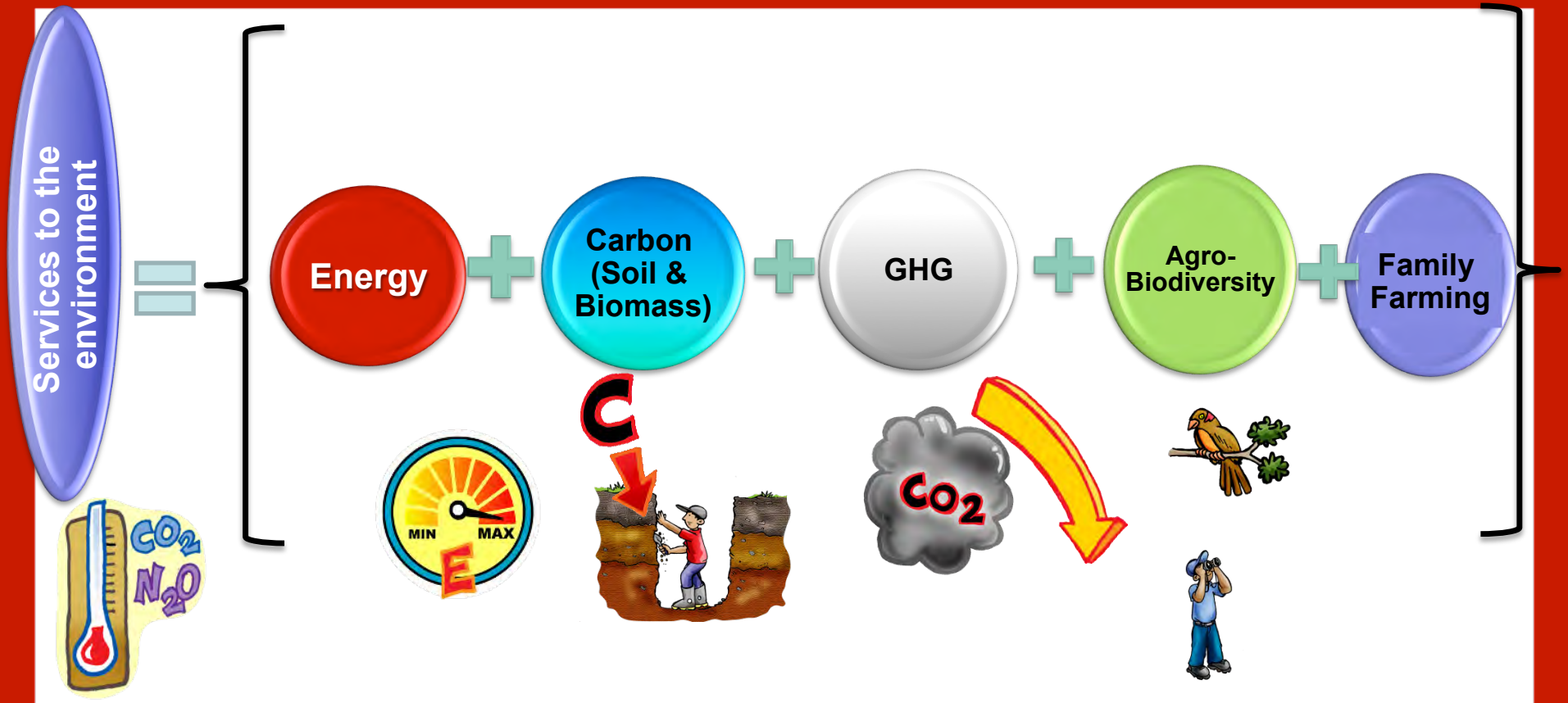
Peru: conversion from rice to banana and cocoa with timber

- Implementing partners: Proclimate & Norandino
- Experience with CarbonFix in coffee region/ reforestation
- Initial project 250 farmers, 500 ha; will be expanded
- Land conversion from rice to banana/cocoa/timber
- Feasibility assessment has been completed May 2013
- Emission reduction potential calculated with Cool Farm Tool

Nicaragua: farm restoration from degraded land (coffee, fruit trees and other)

- Implementing partners: Cedeco & Prodecoop
- Cedeco has developed Cam(Bio)2 methodology www.cambio2.org
- Pilot project on 2 coops 262 members (incl 75 women)
- Baseline study: soil, biomass, emissions, socio-economic, food security, biodiversity

Cam(bio)2 methodology



Kenya: usage of bio-slurry from biogas digester as alternative fertiliser

Implementing partner:

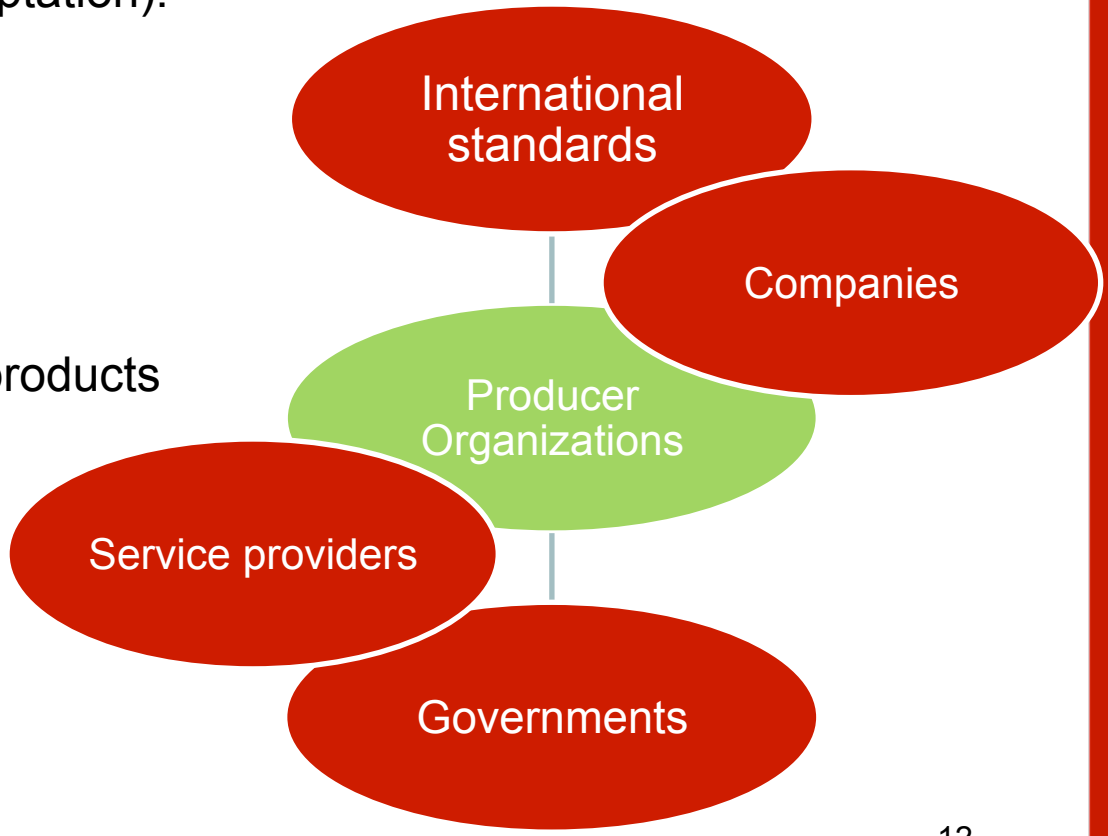
- Kenya Federation of Agricultural Producers (KENFAP)
- Kenya Domestic Biogas Programme (KENDBIP)

Already CDM/GS certified (registered at CDM) as a Renewable Energy RE project
(AMS-I.E fuelwood replacement, AMS-III.R for methane avoidance not included for Kenya)

We would like to add RE effect of bio-slurry: (fertilizer replacement)
-> *bio-slurry liquid application, dried or composted*

Final considerations

- Landscape perspective (adaptation):
  - Soil fertility is key
  - Diversification of products
- Food Security
- Inclusive companies
- Financial facilities
- Business case: low-carbon products
- Biodiversity?
- Public Policies
- Research



Other on-going initiatives

- Participatory planning and investment in climate smart agriculture to reduce risks for small-scale farmers in Central American coffee landscapes
  - Biodiversity, University of Vermont, ICRAF, CEDECO
- Biodiversity Business: Potential of organic coffee in San Martín: Combining high biodiversity and local development (San Martín Landscapes project)
  - University of Utrecht – Copernicus Institute
- Implementation of a Business Approach for Reforestation and Climate Smart Agriculture with smallholders in the Bufferzone of the Amboro National Park
  - SiCiRec
- Latin American Climate and Sustainable Agriculture Initiative
  - CEDECO, Coop Sin Fronteras, IMCA, others?


Thank you!