

Partnerships and Collaboration for Conservation Agriculture and Conservation Mechanization

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Sustainable Rural Development (AFA)



*Regional Workshop on the Role of Mechanization in Strengthening Smallholders' Resilience through Conservation Agriculture in Asia and the Pacific
18-20 April 2018, Phnom Penh, Cambodia*



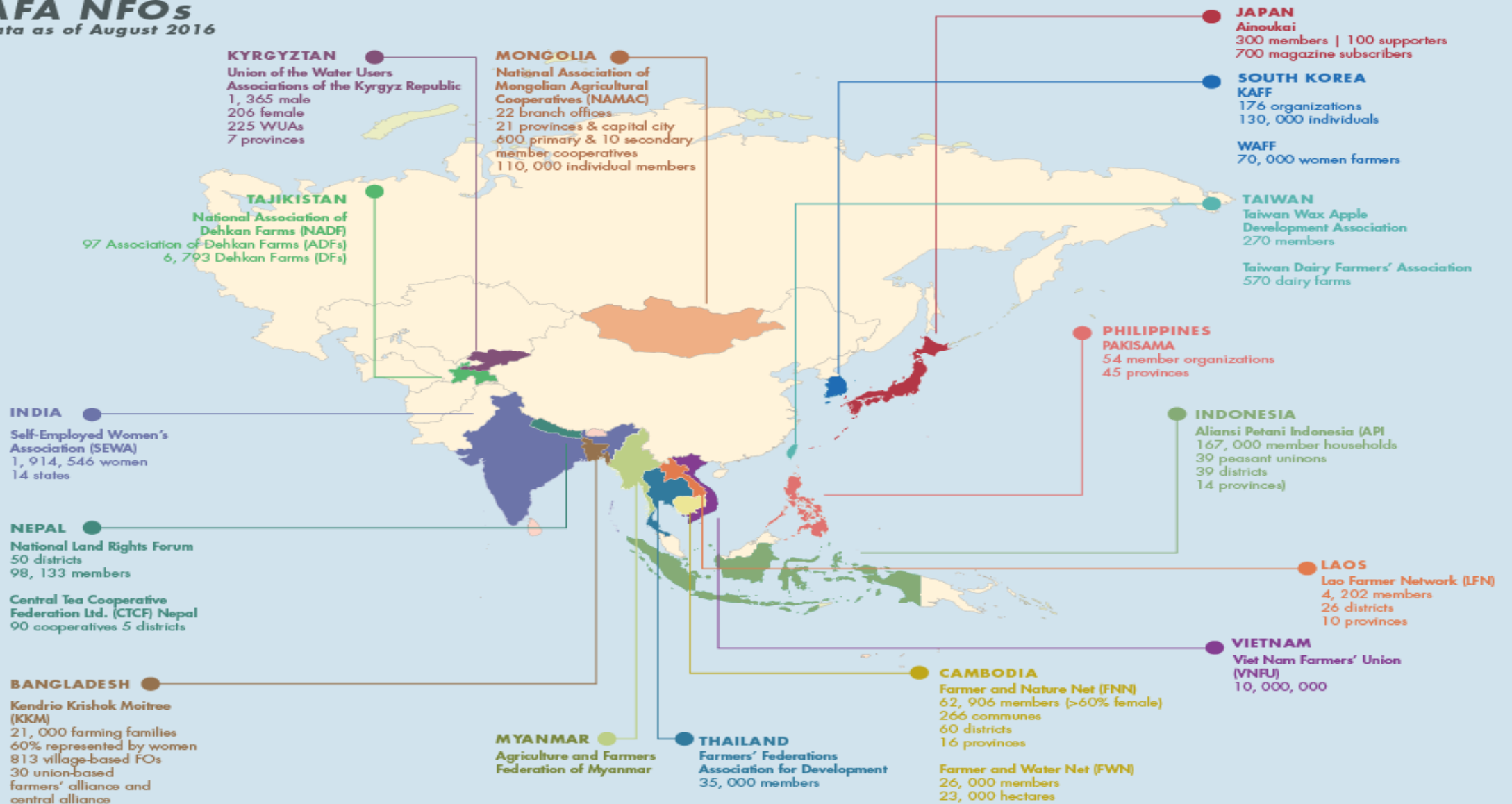
Outline of Presentation

- Profile of AFA
- Our understanding of conservation agriculture vis sustainable agriculture
- Country examples of partnership for SA/CA – Philippines , India, SAC
- Lessons learned in partnership



AFA Members as of 2018

AFA NFOs data as of August 2016



AFA members and partners



Members:
20 Fos, 16
countries,
13 M
members

Reach : 3 regional
Fos, 79 national
Fos, 1525 sub
national FOs,
18,379,180 farmers

AFA Brief Profile

- **Vision:** just, free, peaceful, healthy , economically viable, sustainable and resilient family farming communities in Asia
- **Mission :** build solidarity, raise our collective voice, and empower our members as key drivers and actors for sustainable development
- **Goal :** strengthen capacities of national farmers organizations leading to eradication of poverty and hunger, increased resilience and sense of well-being of family farmers in Asia.



*Our Programs

MULTI STAKEHOLDER PARTNERSHIPS

Women
Empower
ment

Youth in Agri

Rights to
Natural
Resources

Sustainable,
Resilient
Agri

Cooperative
Devt and
Strengthening

*Advocacy *Capacity Building * Knowledge Management
*Leadership & Membership Governance



Conservation Agri viz SusAg, climate resilient agri, agro ecology

- Use Renewable Resources
 - Minimize Toxics
 - Conserve Resources: soil, water, energy, capital, genetic resources
 - Manage ecological relationships
 - Adjust to local environments
 - Diversify
 - Empower the people
 - Manage whole systems
 - Maximize long term benefits
 - Value health
- 

Integrated Diversified Organic Farming Systems

Fig.2 - Overview of the Integrated Rice-Fish-Vine component

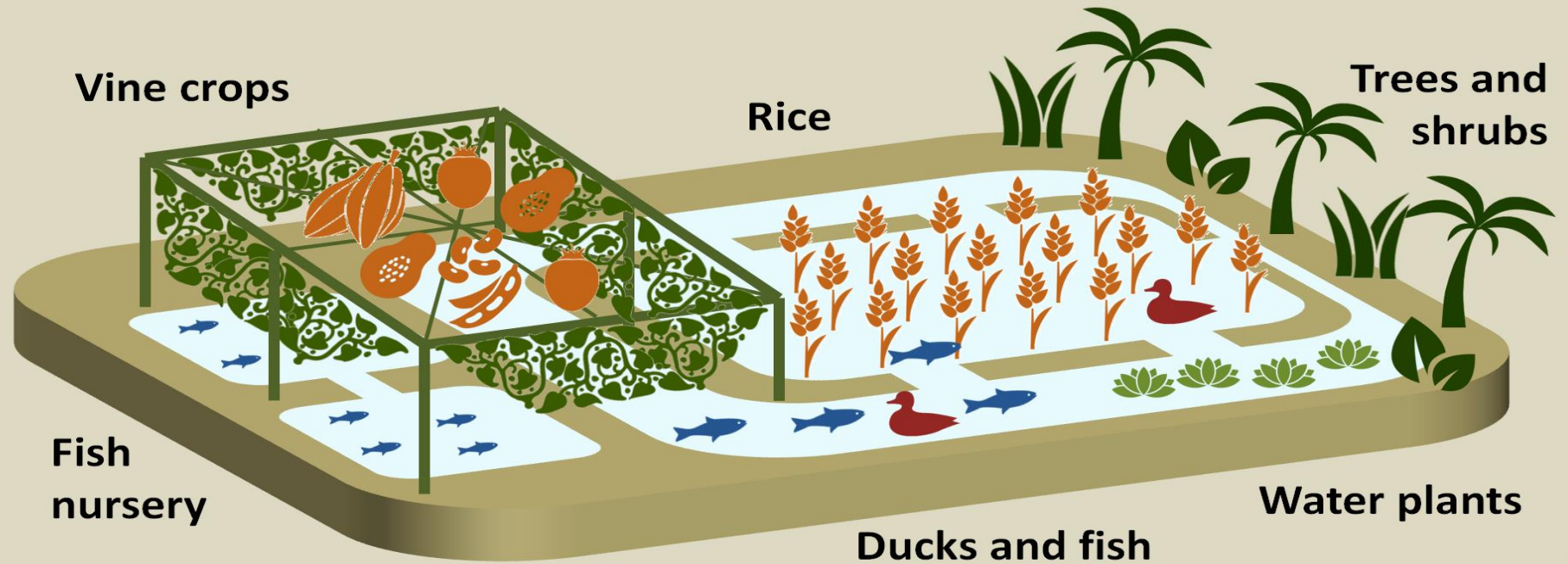
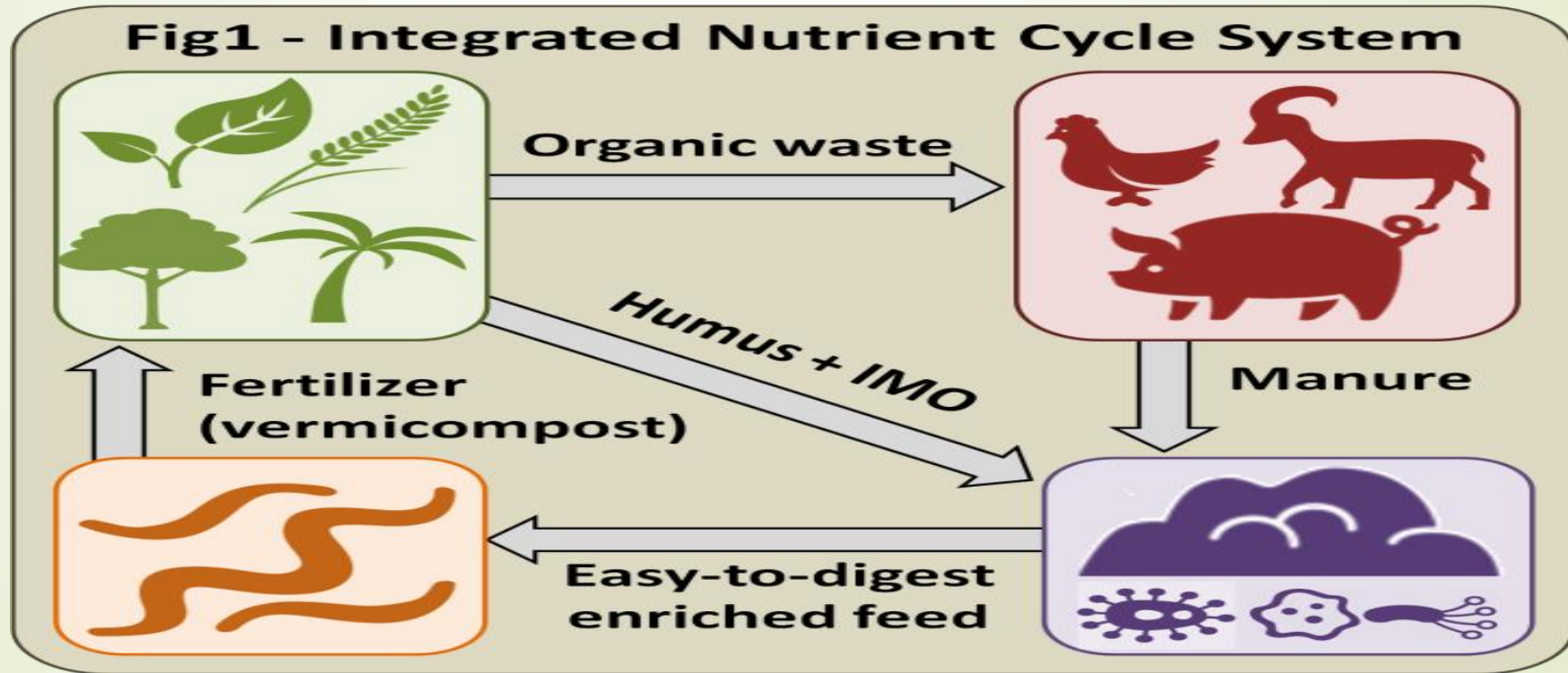


Fig1 - Integrated Nutrient Cycle System



Vertical Conversion: LEISA

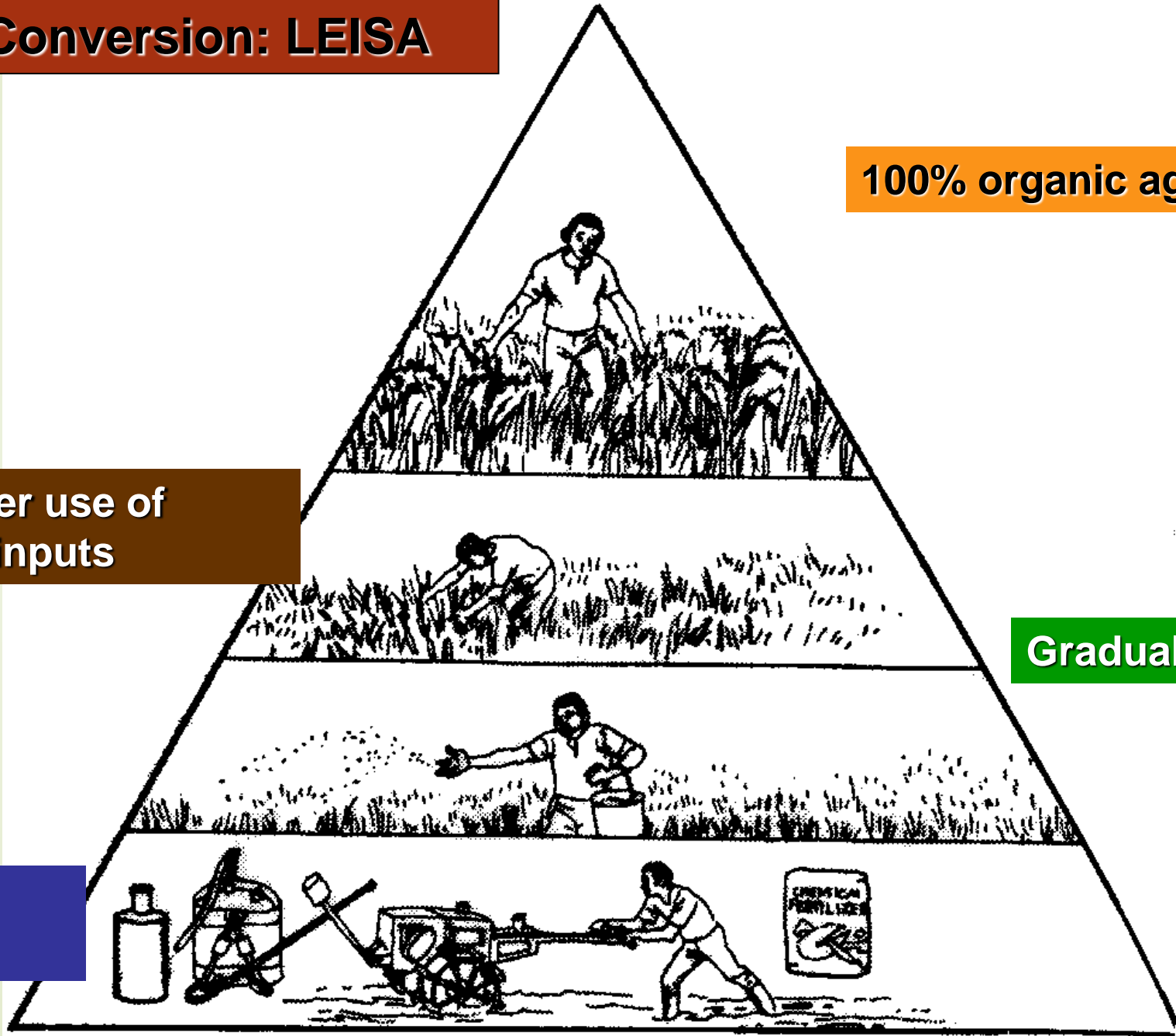
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100% organic agriculture

Even lesser use of
chemical inputs

Gradual reduction of inputs

Modern
Agriculture



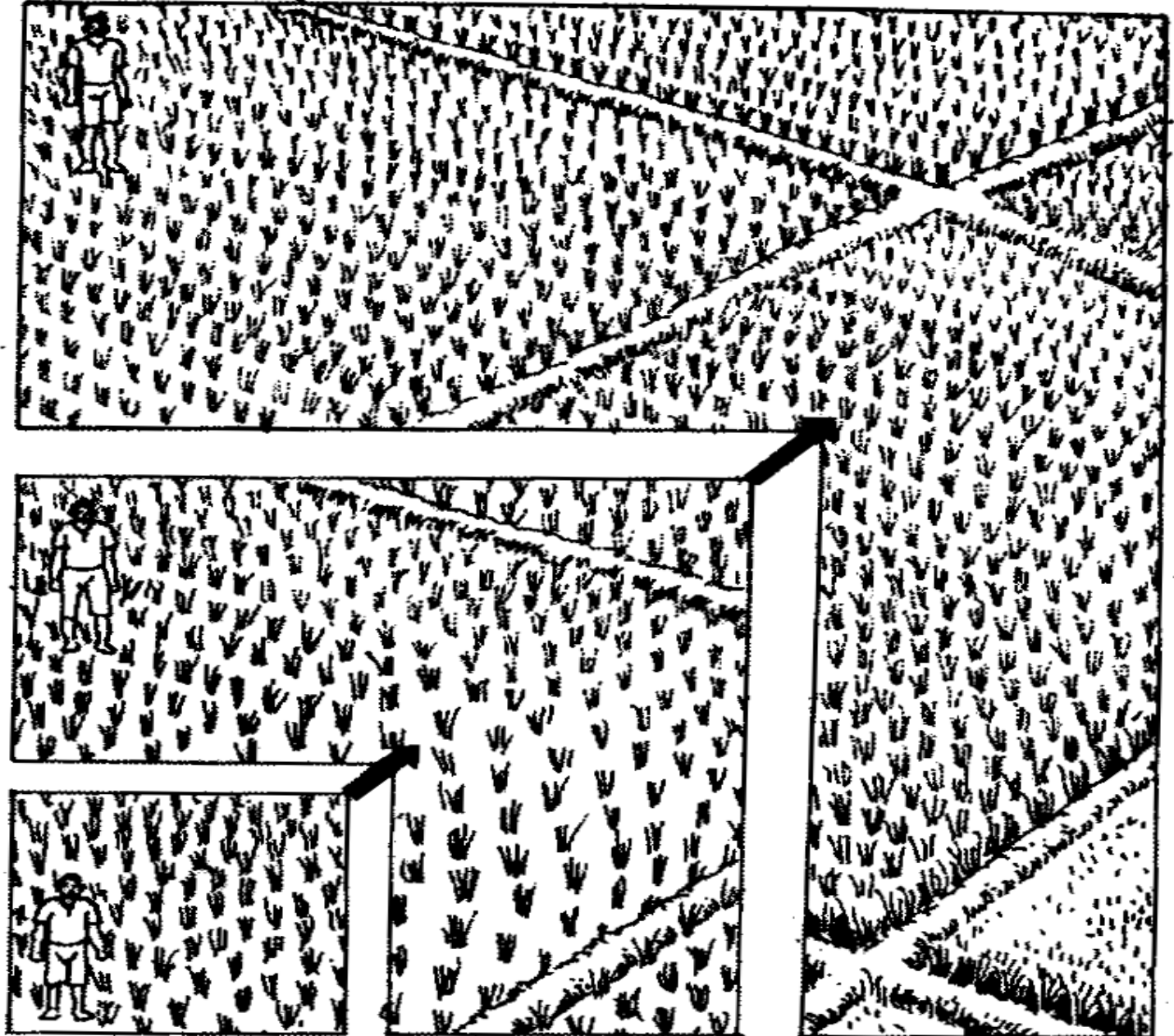
Horizontal Conversion

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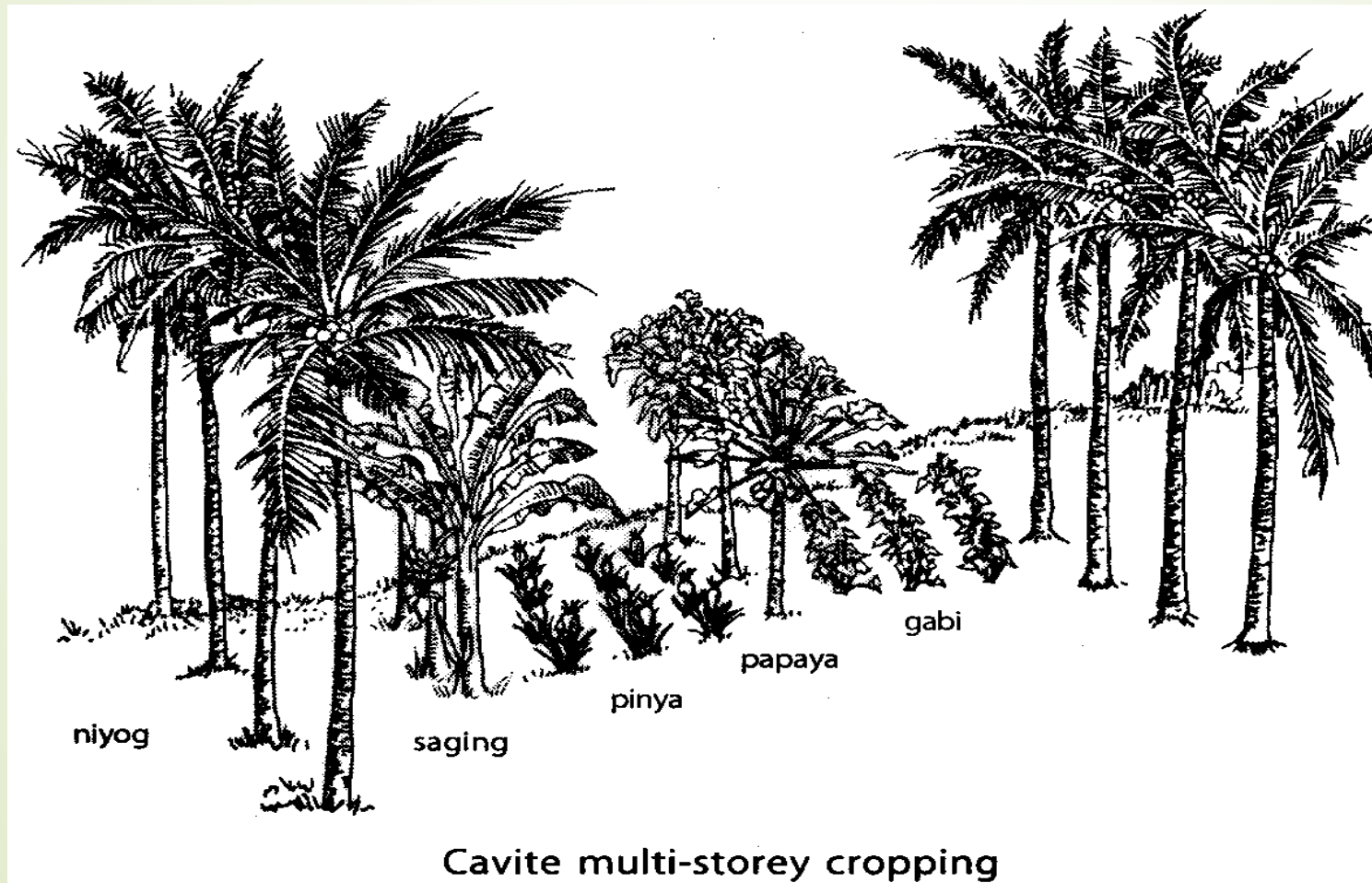
100% use of inorganic
chemical inputs

Lesser use of inorganic
chemical inputs

Organic farming



MULTI STOREY CROPPING



Partnership philippine example



365 members

33 professional
staff,

14 international
and domestic
development
agencies

“FROM SEEDS TO SEEDS CONCEPTS”



“The program will start from the provision of seeds and shall end by producing rice seeds.”

(Total Value Chain)



APCO business model

- Land ownership : through the comprehensive agrarian reform program
- Seed : some coop members are certified organic rice seed breeders, coop buys from them at premium price, coop sells
- Labor : coop organizes clusters of 10-15 farm service providers from among their members. Coop acquires farm equipments from govt grants and thus labor of farm service providers are reduced, and are able to cover more farms.
- IDOFS: System of Rice Intensification , rice-duck farming, fishponds, vegetable gardens, livestock , fruit trees
- Fertilizers and pesticides : coop has own organic fertilizer produced by members

APCO business model

- Financing: loans for members to be paid during harvest time , ensures members in PCIC
- Procurement: buys the palay from the members at premium price, coop buys only 40 bags per member so member can sell to others
- Storage, processing, packaging: coop dries and mills palay. Coop has rice mill, flat bed, solar dryers, big warehouse
- Marketing: coop has forged marketing arrangement with other institutions
- Sustainability: collects service charges from members.



1. PRODUCTION OF Rice Seeds

➔ Certified Rice Varieties

➔ Red Rice

Black Rice

Traditional Rice

Upland Rice

Inbred Seeds



2. FARM EQUIPMENTS & FACILITIES

1. Farm Tractors (Mud boats & Turtles)
2. Rice Threshers
3. Rice Reaper
4. Rice Transplanter
5. Seed Cleaner
6. Dryers
7. Other Equipment's & Facilities





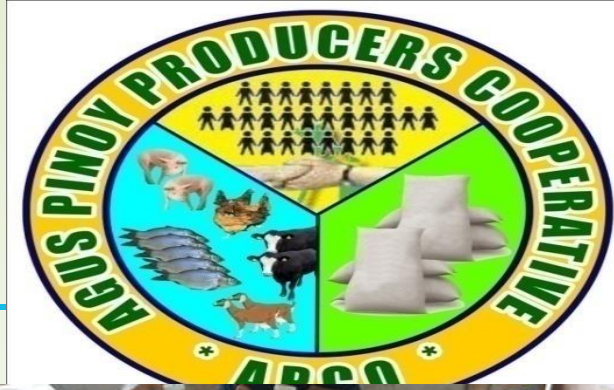
AGUS PINOY – Caraga Region

3. The Technology Trainings

Training of farmers about the different technologies, capacity building, enterprise and organizational development.



4. Organic Inputs Production



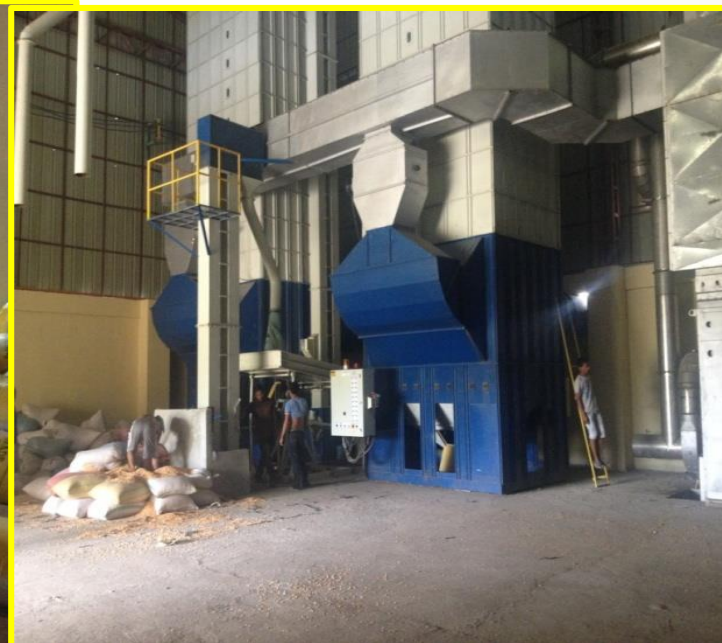
- Produced a granular and foliar fertilizer
- Organic Inputs processing Facilities
- Supplied organic fertilizers to various institutions came from the facility and from our allied organizations.



5. PROCESSING FACILITIES



The Agri Pinoy Rice Processing Center 3 (RPC 3)



6. The Rice Marketing program

- AGUS PINOY is recognized by DA as the pilot implementer of the CORPORATE RICE FARMING PROGRAM in CARAGA Region.
- AGUS PINOY produced packed & labeled rice which are readily available anytime.
- Rice marketed through institutional, organizational & individual buyers/customers in the local level. Assisted by DA- AMAD.



AGUS PINOY – Caraga Region

MOA signing of institutional buyers of crfp program



Membership



- ➔ **Founding Members - 16**
- ➔ **Regular Members - 365**
- ➔ **Associate Members - 35**
- ➔ **Affiliated Organizations - 27**

Accreditations



- Department of Agriculture (DA)
- Department of Social Welfare & Development (DSWD)
- Cooperative Development Authority (CDA)
- Bureau of Internal Revenue (BIR)
- National Food Authority (NFA)
- Bureau of Custom (BOC)
- PLGU Agusan del Sur
- **MLGU**'s of Agusan del Sur

National Organic Agriculture Board (NOAB) MEMBER



JOSEPHINE COSTALES

MR. RAMON P. MARAÑON

MR. MARIANO B. RACELIS

MR. JIMMY E. GERONIMO

Membership & Affiliations



***National Organic Agriculture Program
(NOAP- Small Farmers Reps- Mindanao)***

Pambansang Kilusan Ng Mga Samahang Magsasaka (PAKISAMA)-

Change Politics Movement (CPM)

Consortium of Civil Society Organization (CCSO- Agsur)

Network Consolidated Cooperative Bank (NCCB)

Other Networks & Linkages



**Foundation for Sustainable Society, Inc.
(FSSI- Netherlands)**

Cantilan Bank, Inc. (CBI)

Agricultural Credit Policy Council (ACPC)

PAKISAMA- AGRE TERRA

Land Bank of the Philippines (LBP)

First Community Cooperative (FICCO)

PANDAYAN



Success factors for APCO

- ▶ Provides complete value chain services to members
- ▶ Dedicated and competent governance
- ▶ Network of support system : govt for machines and initial grants, NGOs and banks for initial capital, a corporation for marketing support, FO confederation (Pakisama, AFA) for linkages, leadership building



Country example : Self Employed Womens Association (SEWA)



SEWA Reception Centre, Opp. Victoria Garden,
Bhadra, Ahmedabad – 380 001
Phone No. : 0091 – 79 – 25506441/4
Fax No. : 0091 – 79 – 25506446
E mail : mail@sewa.org
website : www.sewa.org



About SEWA

- Set up in 1972
- Self Employed Women's Association - single largest union of self employed women in the informal sector
- 2 million women members across 14 States
- Two goals : Self reliance and full employment
- 837,941 SEWA Members from the rural sector and 775,050 belong to the agriculture sector
- Include small and marginal farmers, landless agricultural sharecroppers, casual labourers and salt farmers
- Women worst affected – despite strong contribution no recognition





SEWA's Agriculture Campaign...

- In 1995 initiated agriculture campaign based on experience of small and marginal farmers
- Emphasizes on developing farm as an enterprise
- Integrated approach – includes organising, access to technical trainings, inputs, tools and equipment, finance and credit and market support



SEWA's Initiatives ...

Initiative	Process	Impact
Seed Banks	7500 farmers use 220 acres of seed plots to store wheat, cumin, chickpea, sesame, green gram and groundnuts seeds	Enables farmers to reduce input cost and secure greater margin
Improving Soil Health	6455 farmers trained in soil sample testing	Awareness about - NPK and other deficiencies; type of soil; and kinds of crop to grow
Setting up Plant Clinics	119 Plant Clinics established in 2 Districts to cover 7-10 villages	<ul style="list-style-type: none"> •Soil safety and crop quality retained •98% farmers able to cure diseases which infect their crop
Organic Farming	<ul style="list-style-type: none"> •Vermicompost practice introduced in 620 villages •18,462 farmers use vermicompost •Farmers from 56 villages in 2 districts trained in green manure preparation techniques 	<ul style="list-style-type: none"> •Remarkable improvement in quality of produce •Eco-friendly practices •Alternative livelihood source generated



SEWA's Initiatives ...

Initiative	Process	Impact
Tools and Equipment Libraries	7 tools and equipment libraries benefit 15000 farmers	<ul style="list-style-type: none"> •Timely access to agricultural equipment at reasonable rent •Pooling hence it's eco friendly •Time saving in agriculture operations
RUDI - Rural Distribution Network	Positively impacts 40,000+ marginalized households at several points	<ul style="list-style-type: none"> •15,000 farmers adopt modern and sustainable agricultural practices for better yield •Links farmers with SEWA initiatives •Provides Value Supply Chain for farmers •Fulfils nutritional requirements of women farmers
Rainfall Insurance	5484 small and marginal farmers covered	Farmers' interests protected when faced with natural calamity
Voice Message Based Mobile Technology	<ul style="list-style-type: none"> •Reaches out to 3100 farmers •80% + pick up and listening success ratio of the message 	<ul style="list-style-type: none"> •Huge savings on fertilizer and pesticide cost •Prior information about plant diseases alleviates spiralling effect of the disease



SEWA's Initiatives ...

Initiative	Process	Impact
Farmer's Field Schools	15 Farmer's Field Schools reach out to 64,555 farmers	<ul style="list-style-type: none"> • Training and information made available to farmers at their doorstep – builds confidence and efficiency • 50-100% jump in quality and quantity of yield and income • 5 greenhouses set up in Gujarat and one in Afghanistan
Solar Pump for Irrigation	Drip irrigation system mapped to the solar pump	<ul style="list-style-type: none"> • Saves money spent on diesel for pumping water or in buying water • Decrease water wastage • Zero cost on electricity
Digital Initiatives	<ul style="list-style-type: none"> • mbachat - 18,285 + members from 1219 groups • RUDI Sandesha Vyavhar - reaches 2200 Villages • mPaise – 4425 members from 295 groups • PaySe – piloted with 950 members from 60 groups 	<ul style="list-style-type: none"> • Increases efficiency and cost effectiveness of last mile operations • Improves delivery • Provides a digital platform for women farmer members



SEWA's Initiatives

Initiative	Process	Impact/Objective
Shakti Packets for Rural Women	7000+ rural women and their households from Patan district are provided Food Packets which contain food grains like millet and wheat, edible oil, red chillies, tea, soap, iodized salt, turmeric and vegetables	<ul style="list-style-type: none">•Reduces food insecurity and malnutrition•Empowers rural poor women to help themselves
Mobile Ration Van Service	SEWA along with the Government of Gujarat has launched a mobile ration van service for linking up villages with the Food Supply Department This van supplies rations like wheat, rice and sugar in 11 far flung villages of Patan covering 6000 households	<ul style="list-style-type: none">•Ensures timely and sufficient availability of ration to villages•Saves travel, money and day wages of poor households.
Nutrition - Information Dissemination	Rural women are counseled on their right to food on various platforms	Ensures that rural women consume nutritious and healthy food





Example : South Asia region



Organized by
Food and Agriculture Organization of the United Nations
AF
FOREST OF FARM
GAFSP
South-South Cooperation Forum in South Asia
PROMOTING SUSTAINABLE FAMILY FARMING AGRICULTURE TO ACHIEVE SDG 1 and 2

Bimala

Srisil

Som

Rath

Saima

Rekha

Lessons Learned in Partnerships

- Get to know each other
- Build from where the partners are : common interests, goals, advocacies
 - farmers as the heart, the center, the soul : what they need, what they know, what are their potentials
- Build trust and confidence
 - transparency
 - accountability
 - win-win attitude
 - "equal partner" treatment (farmers also as scientists)
 - regular communications and dialogue
- Overcome language, cultural barriers and limitations
- Provide resources for each partner according to work to be done
- Strengthen ownership : We have done it ourselves
- Strengthen capacities