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FROM THE AMERICAN PEOPLE

SANREM CRSP

Sustainable Agriculture and Natural Resource Management
Collaborative Research Support Program

SANREM CRSP

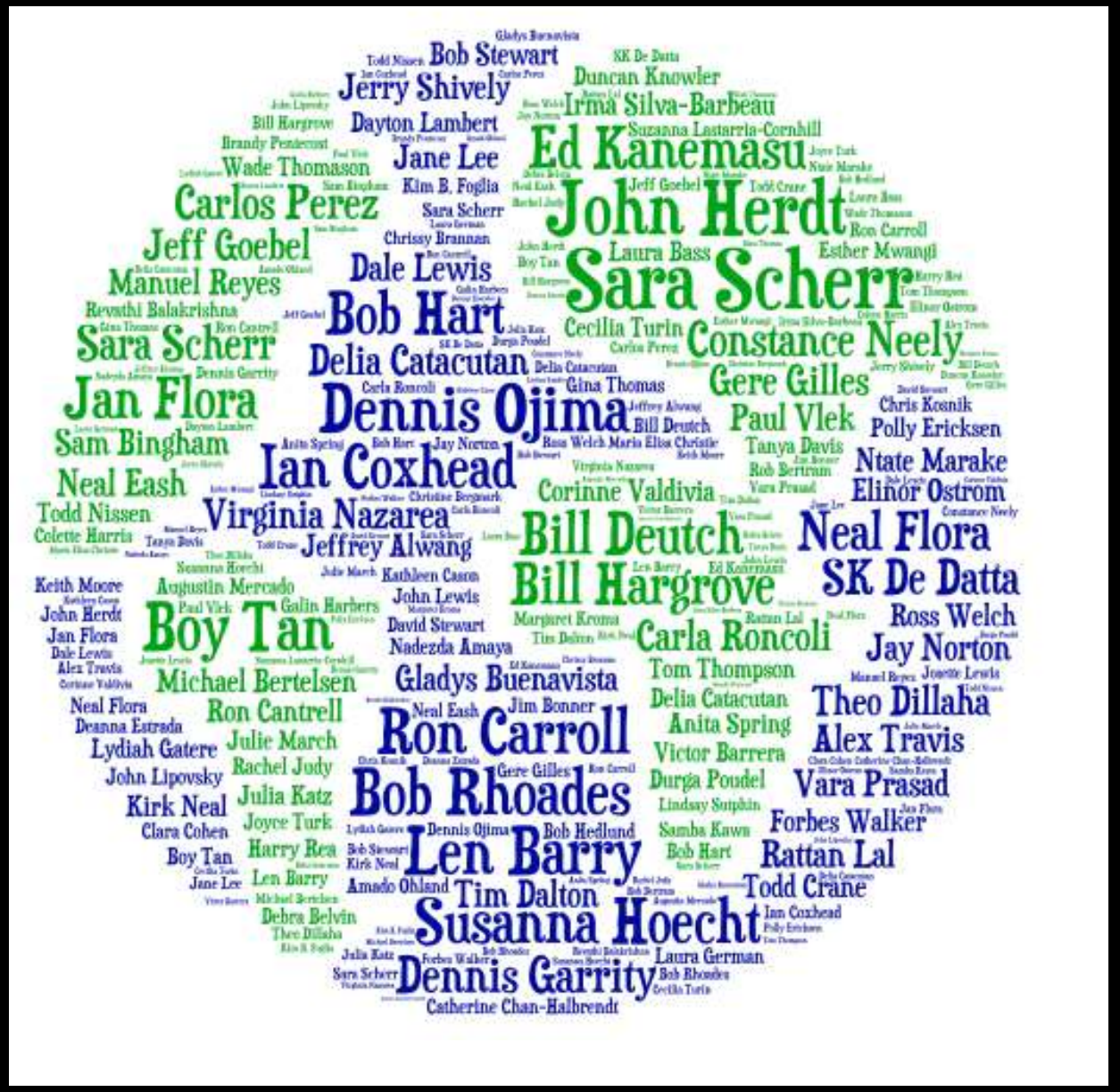
Sustainable Agriculture and Natural Resource Management
Collaborative Research Support Program

SANREM CRSP
Sustainable Agriculture and Natural Resource Management
Collaborative Research Support Program

University of Georgia

VirginiaTech
Invent the Future

No shortage of human resources



Raising awareness and Setting (Evolving) Targets

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NRC-NAS

1992
Earth Summit

1996
World Food Summit

UN CSD Review

2000
Millennium Development Goals (target 2015)

2002
World Summit on Sustainable Development (Rio+10)

2008

UN CSD Review

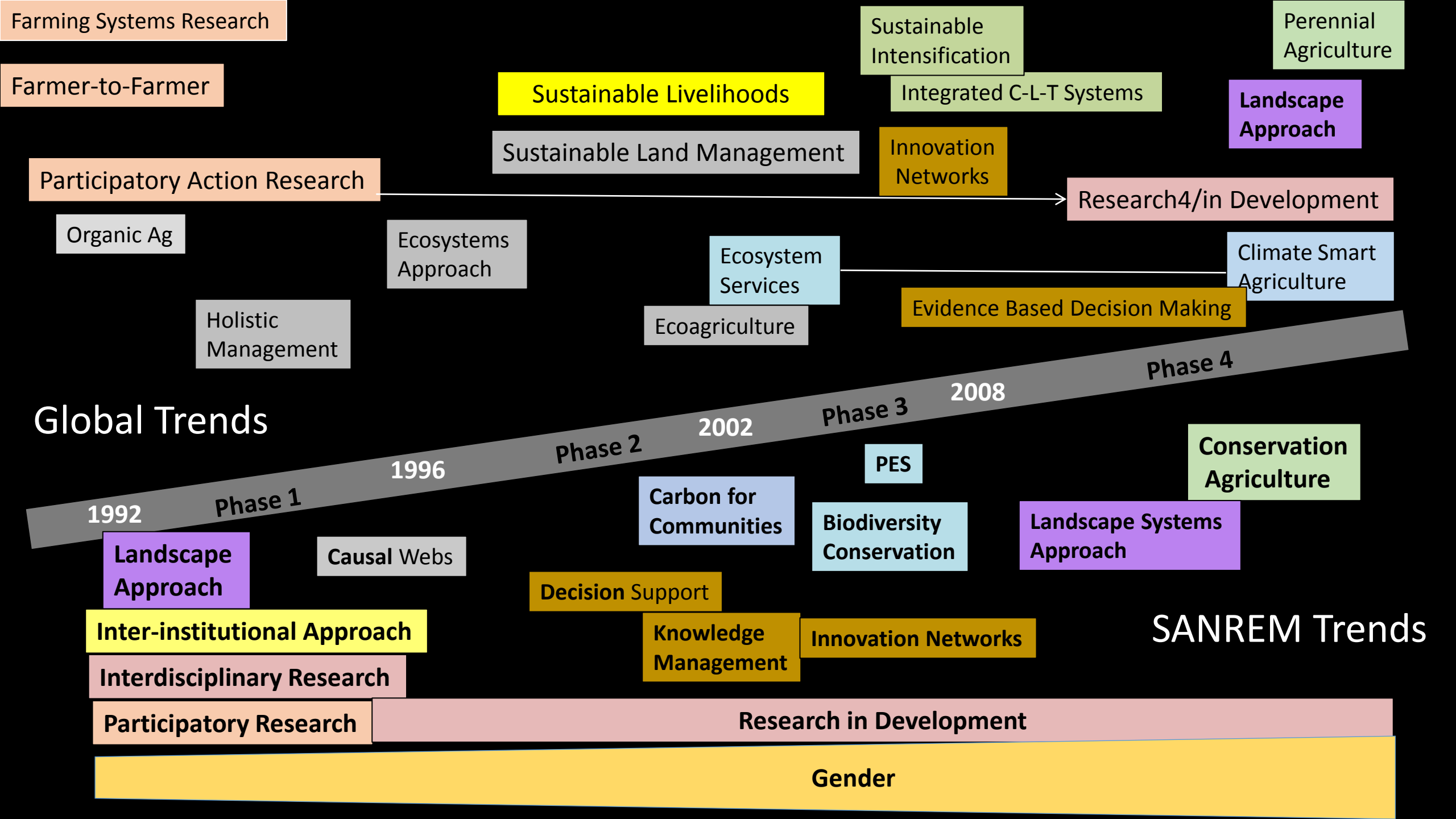
2010
MDG Summit

Green Economy
Governance

2012

2014

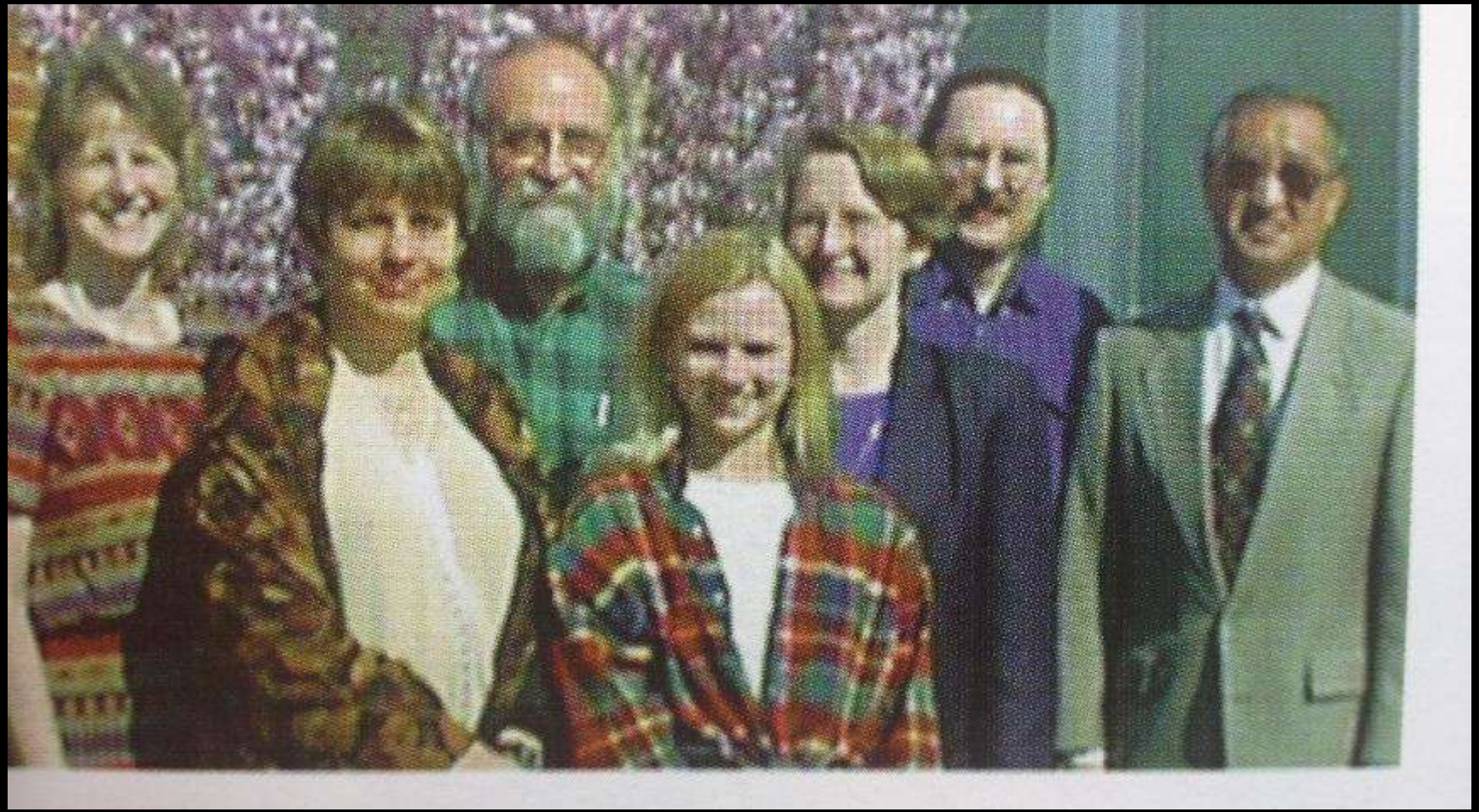
Sustainable Development Goals


Farming Systems Research
Farmer-to-Farmer
Sustainable Intensification
Perennial Agriculture
Sustainable Livelihoods
Integrated C-L-T Systems
Landscape Approach
Sustainable Land Management
Innovation Networks
Participatory Action Research
Research4/in Development
Organic Ag
Ecosystems Approach
Ecosystem Services
Climate Smart Agriculture
Holistic Management
Ecoagriculture
Evidence Based Decision Making
Global Trends
1992
Phase 1
1996
Phase 2
2002
Phase 3
2008
Phase 4
PES
Conservation Agriculture
Carbon for Communities
Biodiversity Conservation
Landscape Systems Approach
Landscape Approach
Causal Webs
Decision Support
Inter-institutional Approach
Knowledge Management
Innovation Networks
SANREM Trends
Interdisciplinary Research
Participatory Research
Research in Development
Gender

SANREM SITES

Phase 1	Phase 2	Phase 3	Phase 4
AFRICA			
Burkina Faso Cape Verde	**Mali**	Zambia, **Kenya, Uganda**	**Kenya**, **Uganda**, Ghana, **Mali** Lesotho, Mozambique
ASIA			
Philippines	**Philippines**	**Philippines**	**Philippines**
		Vietnam	Cambodia
		Indonesia	
LATIN AMERICA			
Ecuador	**Ecuador**	**Ecuador**	**Ecuador**
		Mexico, **Bolivia,** Peru	**Bolivia** Haiti

Phase I and II




Carlos Perez
University of Georgia

The Cornerstones

Participatory Research

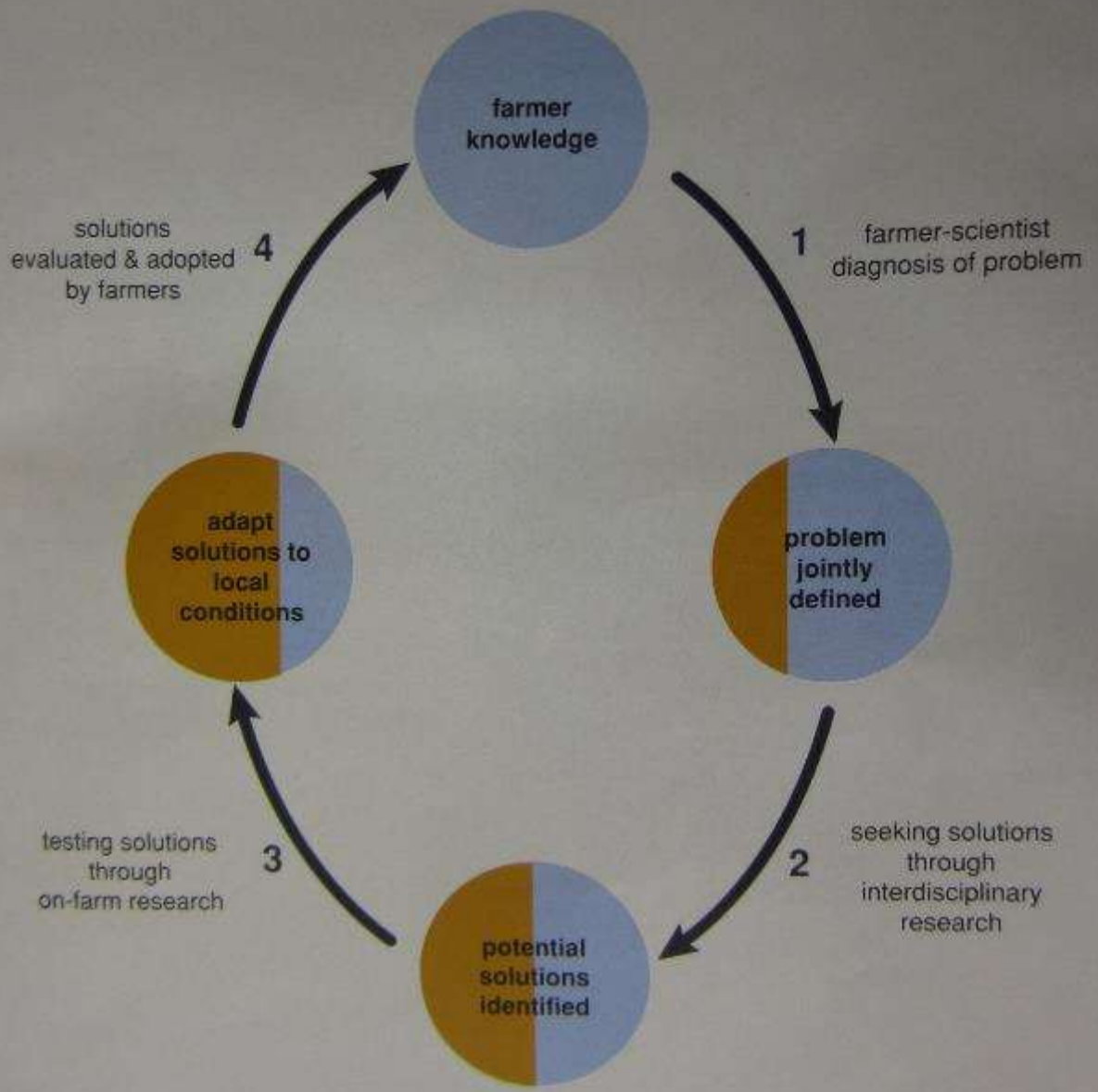
Landscape Approach

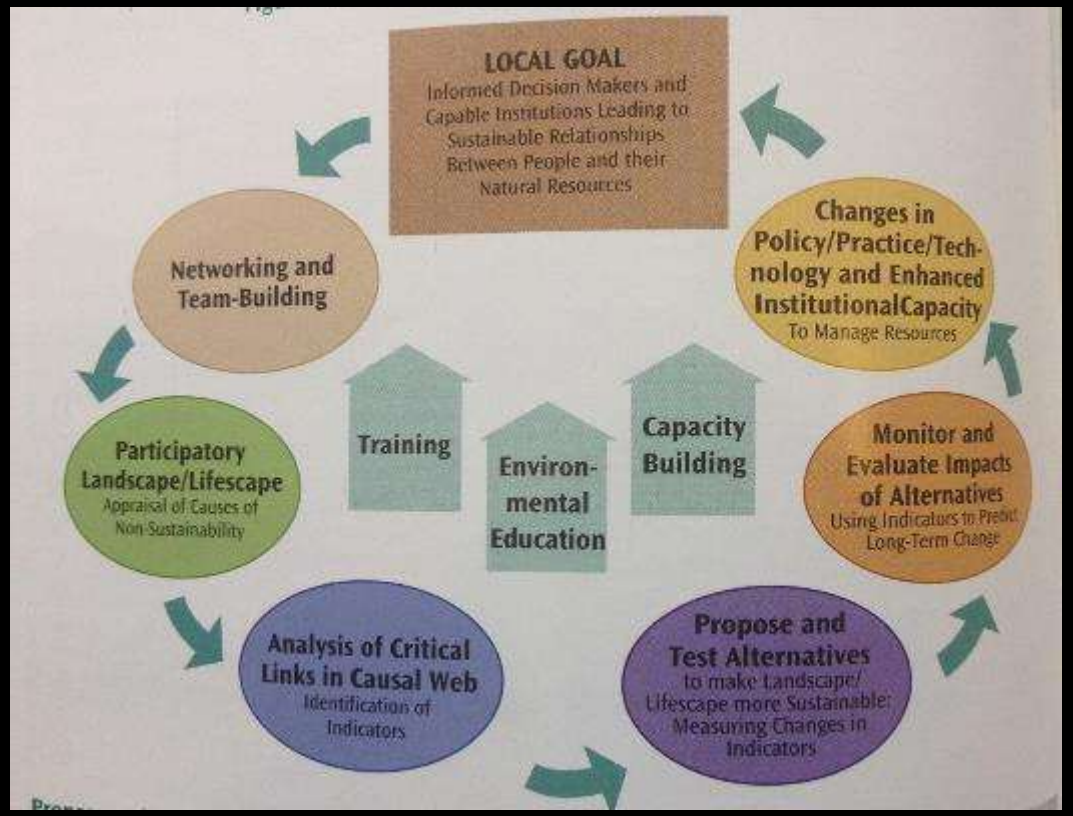
Inter-institutional Partnerships

Interdisciplinary Research

1992-1997

FARMER-BACK-TO-FARMER MODEL




LOCAL GOAL
Informed Decision Makers and Capable Institutions Leading to Sustainable Relationships Between People and their Natural Resources
Changes in Policy/Practice/Technology and Enhanced InstitutionalCapacity
To Manage Resources
Monitor and Evaluate Impacts of Alternatives
Using Indicators to Predict Long-Term Change
Propose and Test Alternatives
to make Landscape/Lifescape more Sustainable; Measuring Changes in Indicators
Analysis of Critical Links in Causal Web
Identification of Indicators
Participatory Landscape/Lifescape
Appraisal of Causes of Non-Sustainability
Networking and Team-Building
Training
Environmental Education
Capacity Building

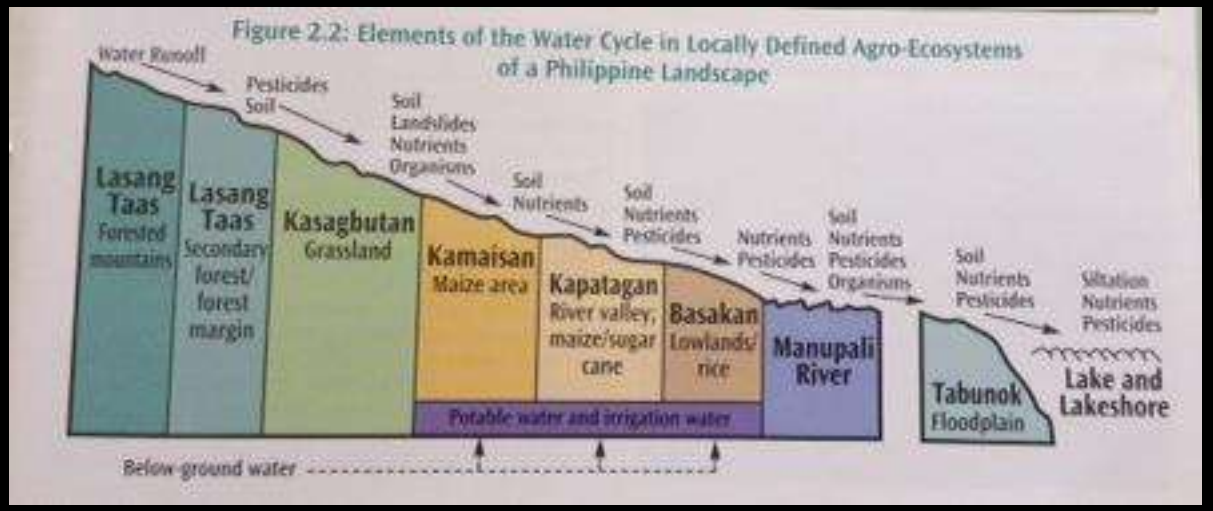
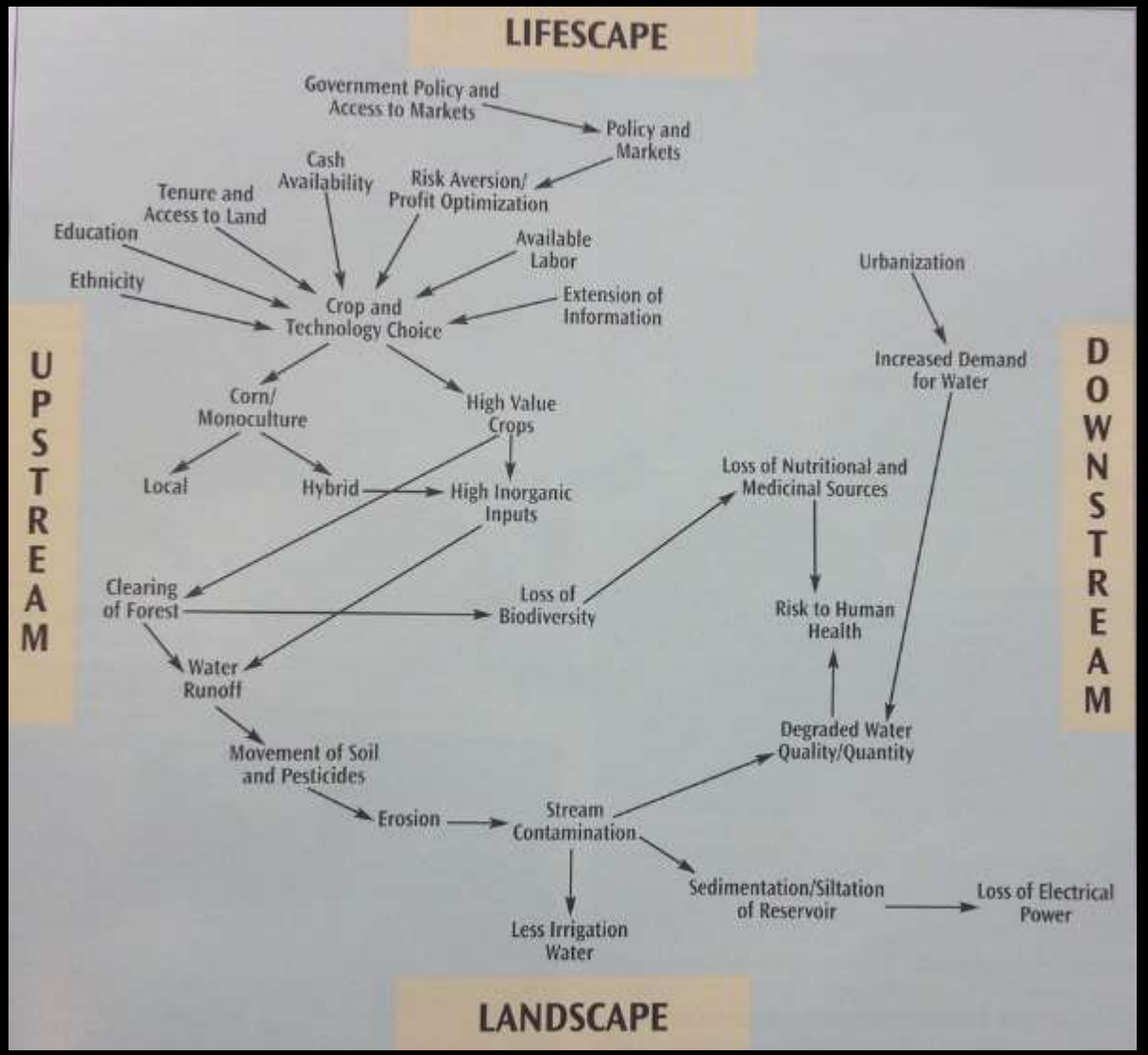
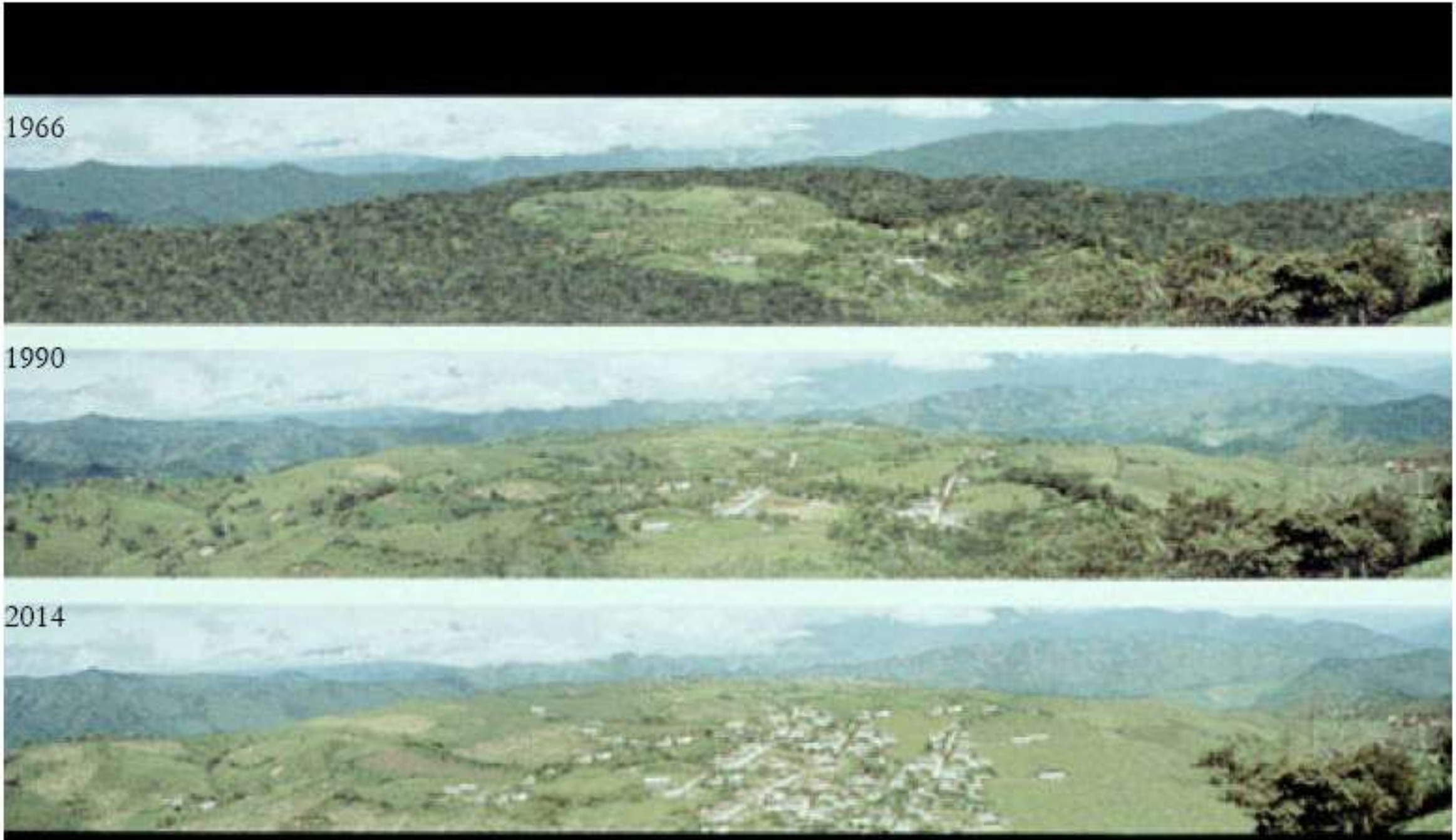


Figure 2.2: Elements of the Water Cycle in Locally Defined Agro-Ecosystems of a Philippine Landscape
Water Runoff
Pesticides
Soil
Soil
Landslides
Nutrients
Organisms
Soil Nutrients
Soil Nutrients Pesticides
Nutrients Pesticides
Soil Nutrients Pesticides Organisms
Soil Nutrients Pesticides
Siltation Nutrients Pesticides
Lasang Taas
Forested mountains
Lasang Taas
Secondary forest/ forest margin
Kasagbutan
Grassland
Kamaisan
Maize area
Kapatagan
River valley, maize/sugar cane
Basakan
Lowlands/ rice
Manupali River
Tabunok
Floodplain
Lake and Lakeshore
Potable water and irrigation water
Below-ground water


LIFESCAPE
Government Policy and Access to Markets
Policy and Markets
Cash Availability
Risk Aversion/ Profit Optimization
Tenure and Access to Land
Education
Ethnicity
Available Labor
Extension of Information
Crop and Technology Choice
Urbanization
Increased Demand for Water
UPSTREAM
DOWNSTREAM
Corn/ Monoculture
High Value Crops
Local
Hybrid
High Inorganic Inputs
Loss of Nutritional and Medicinal Sources
Clearing of Forest
Loss of Biodiversity
Risk to Human Health
Water Runoff
Degraded Water Quality/Quantity
Movement of Soil and Pesticides
Erosion
Stream Contamination
Sedimentation/Siltation of Reservoir
Loss of Electrical Power
Less Irrigation Water
LANDSCAPE

Landscape visioning plates



World Agroforestry

TRANSFORMING LIVES AND LA

HOME CONTACT US

The Initiative

Landscapes for People, Food and Nature is a collaborative Initiative to foster cross-sectoral dialogue, learning and action. The partners involved aim to understand and support integrated agricultural landscape approaches to simultaneously meet goals for food production, ecosystem health and human wellbeing.

CO-ORGANIZERS

Bioversity · Conservation International · ecoagriculture partners · FAO · IFAD · Ministry of Economic Affairs, Agriculture and Innovation · UNEP · World Agroforestry Centre · World Resources Institute

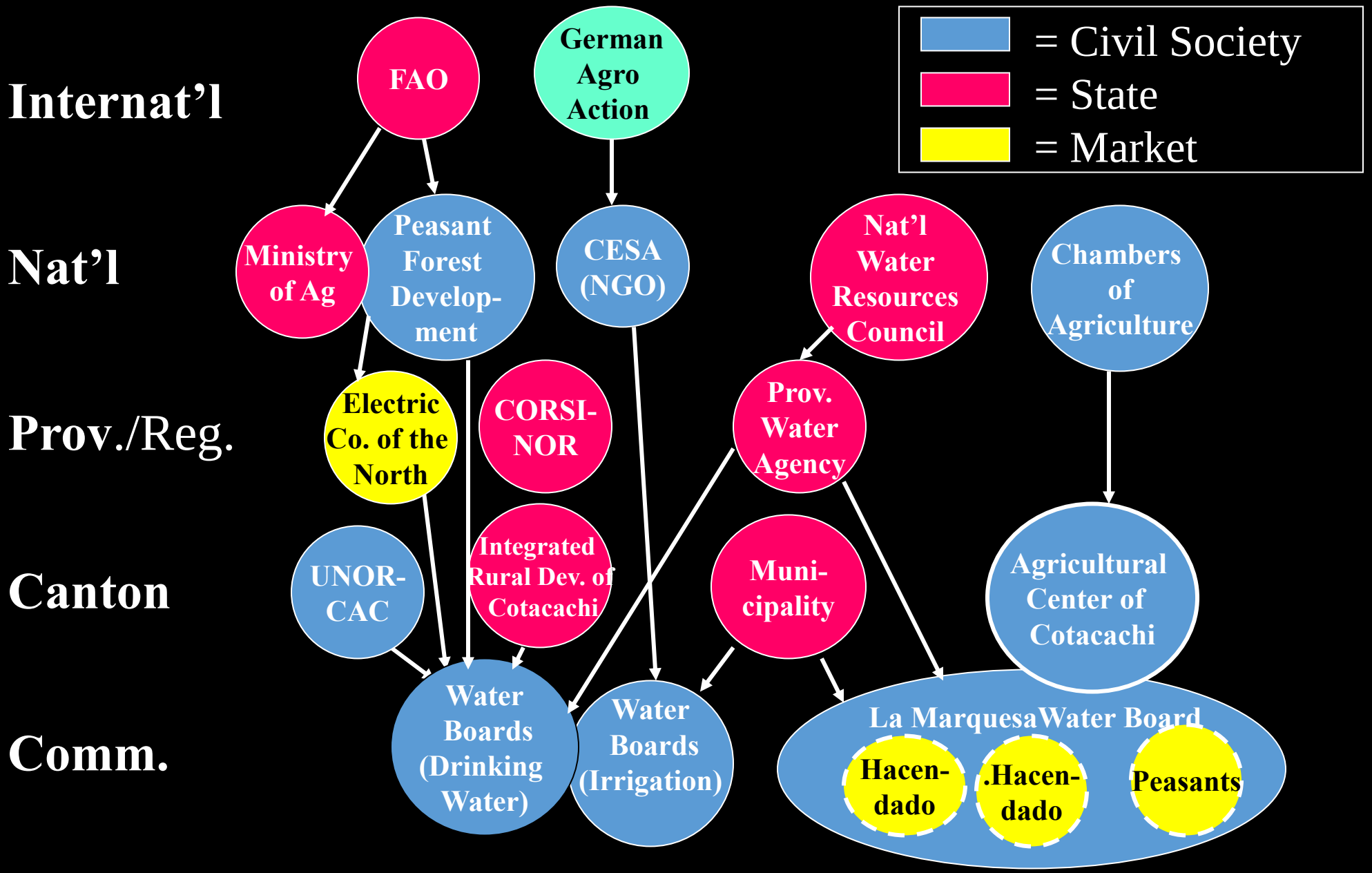
Global Landscapes Forum

Landscapes for a new climate and development agenda

HOME NEWS ARTICLES DIALOGUE

"We were Landscapes when Landscapes weren't

Figure 3. Advocacy Coalicions-Water




DECISION-MAKERS' NEEDS
SANREM Research
Decision-Makers
Globe
Region
Nation
Province
Landscape
Community
Farm
Global Program Directors
Regional Network Directors
National Policy Analyst
Provincial Planners
Research/Extension
Local NGO's
Local Farmers
DATA/INFO, TOOLS/METHODS, CAPACITY BUILDING

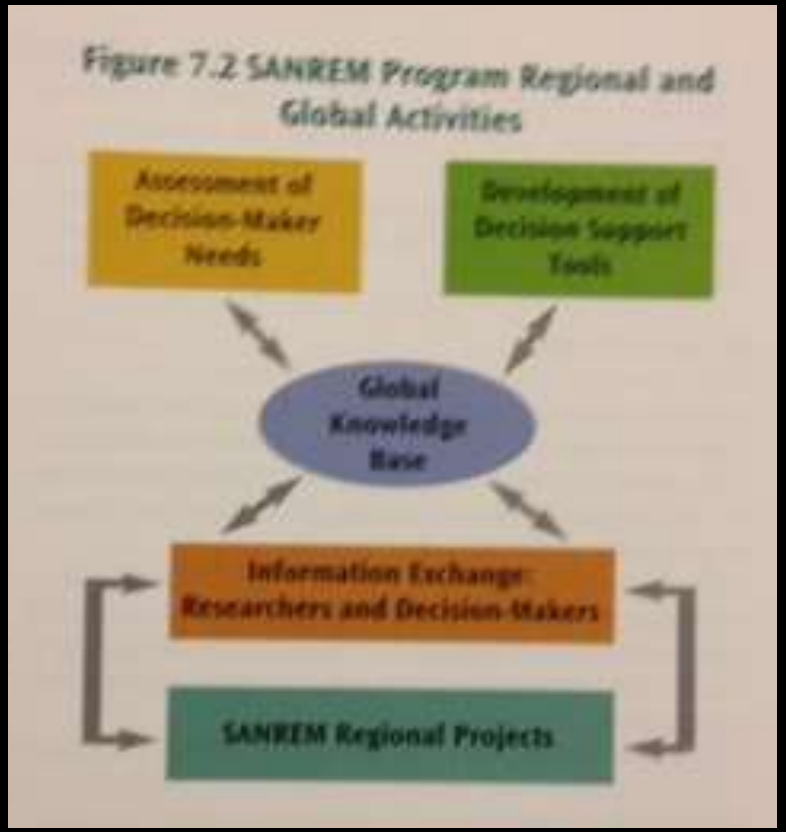
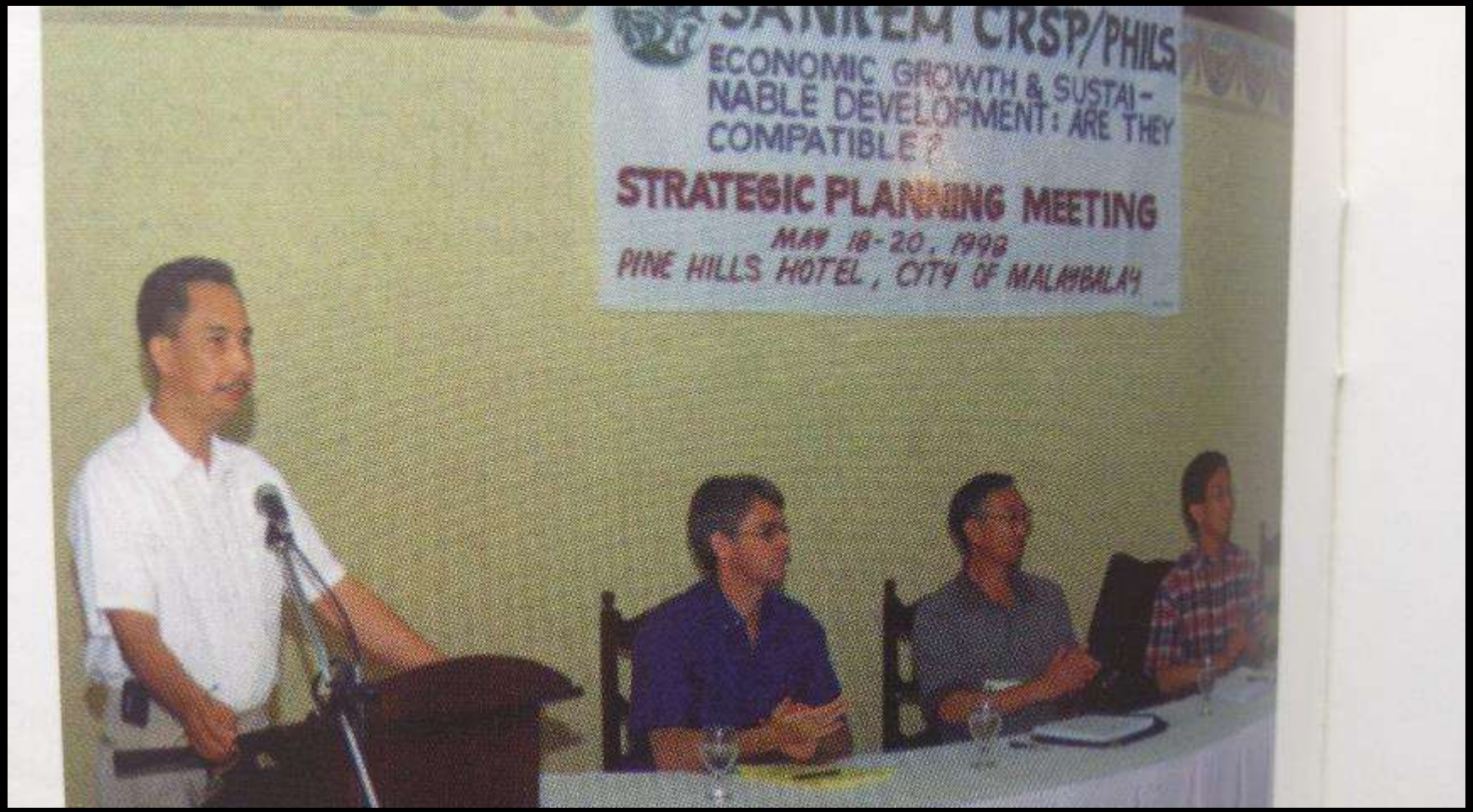


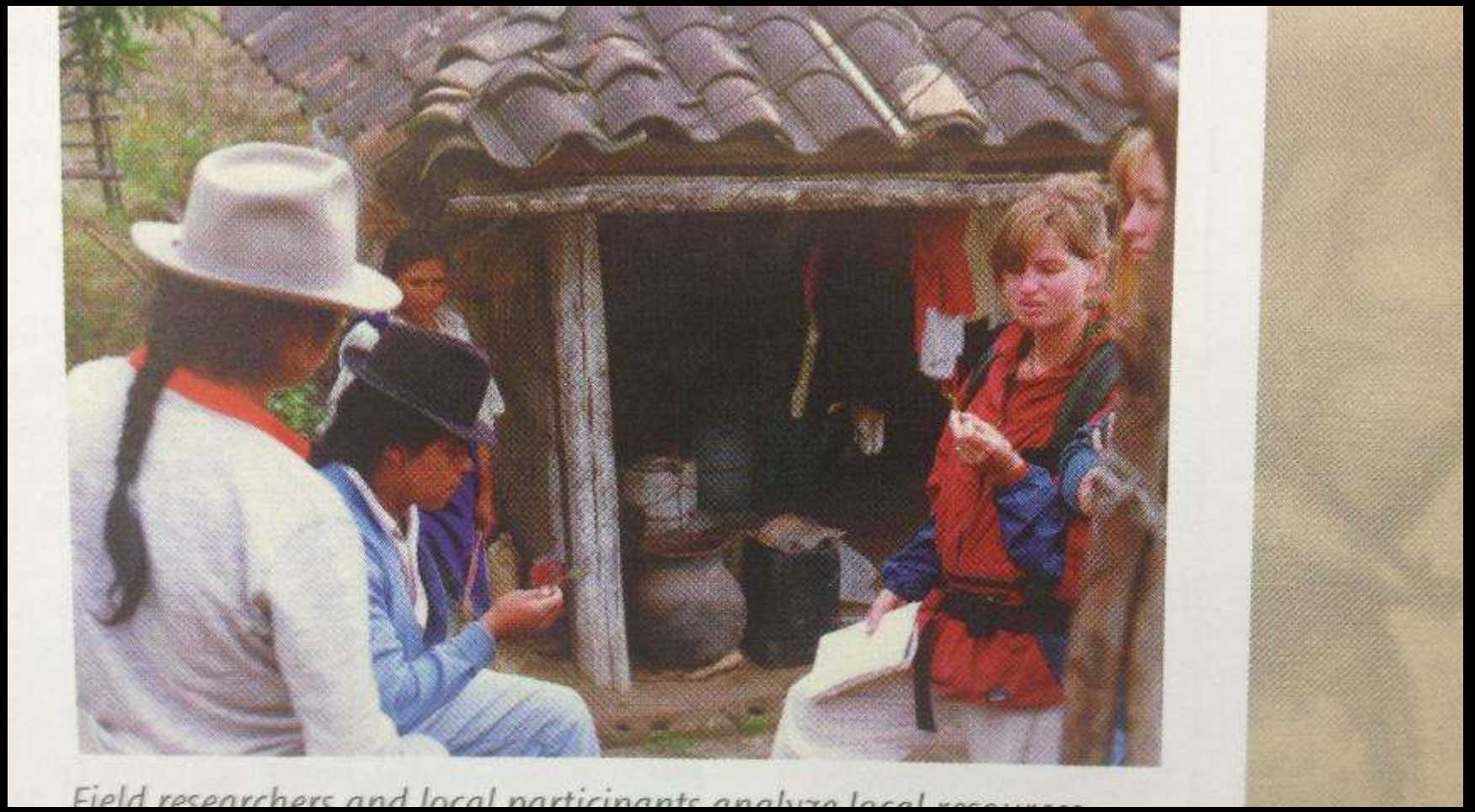
Figure 7.2 SANREM Program Regional and Global Activities
Assessment of Decision-Maker Needs
Development of Decision Support Tools
Global Knowledge Base
Information Exchange: Researchers and Decision-Makers
SANREM Regional Projects


SANREM CRSP
Managing water resources
Conservation farming
a Sustainable Future

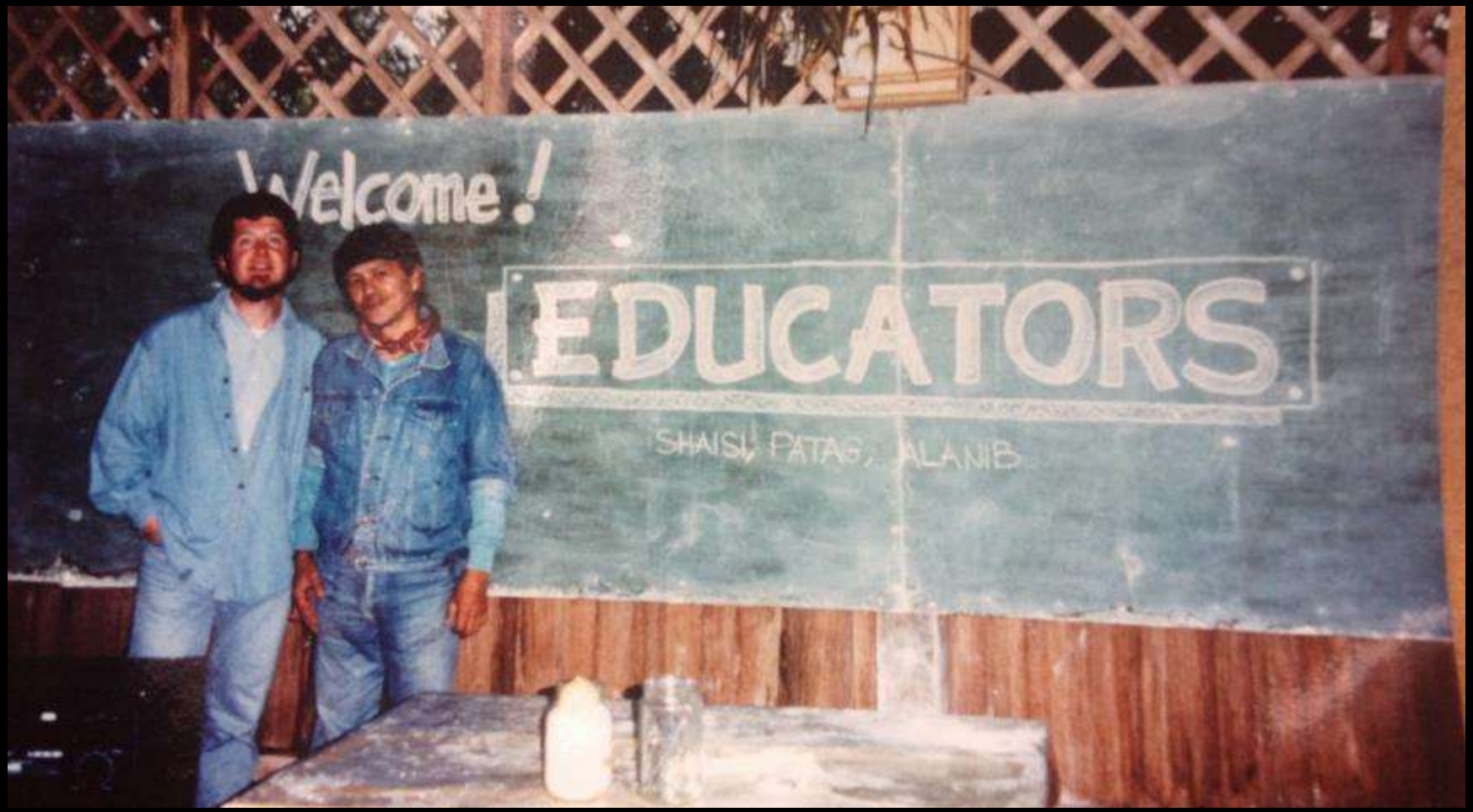

SANREM CRSP/PHILS
ECONOMIC GROWTH & SUSTAI-
NABLE DEVELOPMENT: ARE THEY
COMPATIBLE?
STRATEGIC PLANNING MEETING
MAY 18-20, 1998
PINE HILLS HOTEL, CITY OF MALAYBALAY

Ritual of Understanding: Tala-andig Indigenous People, Lantapan, Bukidnon, Philippines


BIENVENIDOS
A
PALMITOPAMBA



Field researchers and local participants analyze local resources


Welcome!
EDUCATORS

“Lessons without borders”


أعوذ بالله من الشيطان الرجيم
بسم الله الرحمن الرحيم
قل أعوذ برب الناس
ك م ج


BOSQUET DE L'AMITIE
CRSP

International participants at multi-institutional workshop in Cape Verde

Carbon from Communities


ICI!
Coca-Cola


9676A IT 09 01

LOOKING BACK ON THE LANDSCAPE:
IMPACTS AND LESSONS FROM THE SANREM CRSP

DEVELOPMENT WITH IDENTITY

COMMUNITY, CULTURE AND SUSTAINABILITY IN THE ANDES

Edited by
Robert E. Rhoades

KAWSAYKAPAK RIKUCHIYKUNA

RECETAS PARA LA VIDA

RECIPES FOR LIFE

ANTIKUNAMANTA MINARATAPI KUNAKUYKUNA, YACHARISHKAKUNAPASH

CONSEJOS, COSTUMBRES Y COCINA DE LOS FOGONES ANDINOS

COUNSEL, CUSTOMS, AND CUISINE FROM THE ANDEAN HEARTHS

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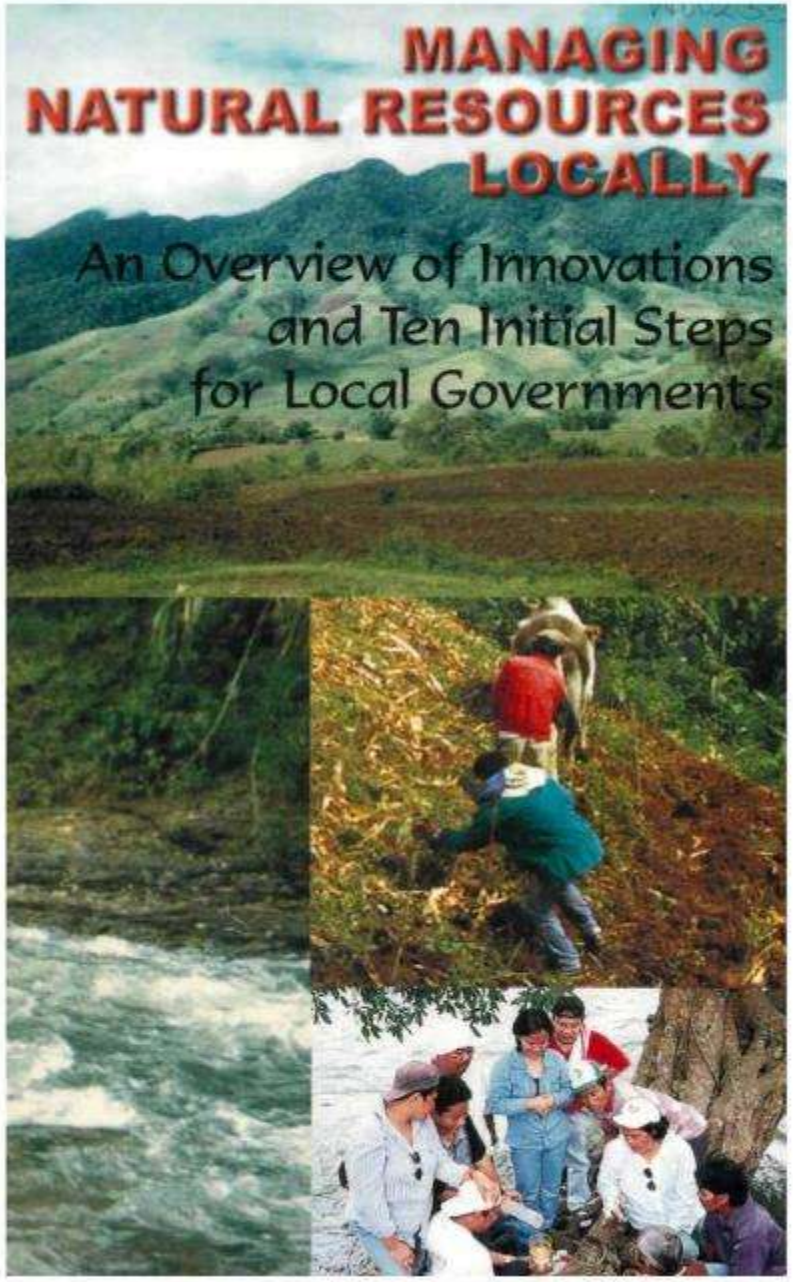
TANTACHIKKUNA COMPILADORAS COMPILATORS

Sara Báez, Mary García,
Fernando Guerrero, Ana María Larrea

COTACACHI

Capitales comunitarios y propuestas de desarrollo local


MANAGING
NATURAL RESOURCES
LOCALLY
An Overview of Innovations
and Ten Initial Steps
for Local Governments

Winning the Water War

watersheds, water policies and water institutions

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and Jennifer P.T. Liguton

Land Use Change in Tropical Watersheds

EVIDENCE, CAUSES AND REMEDIES

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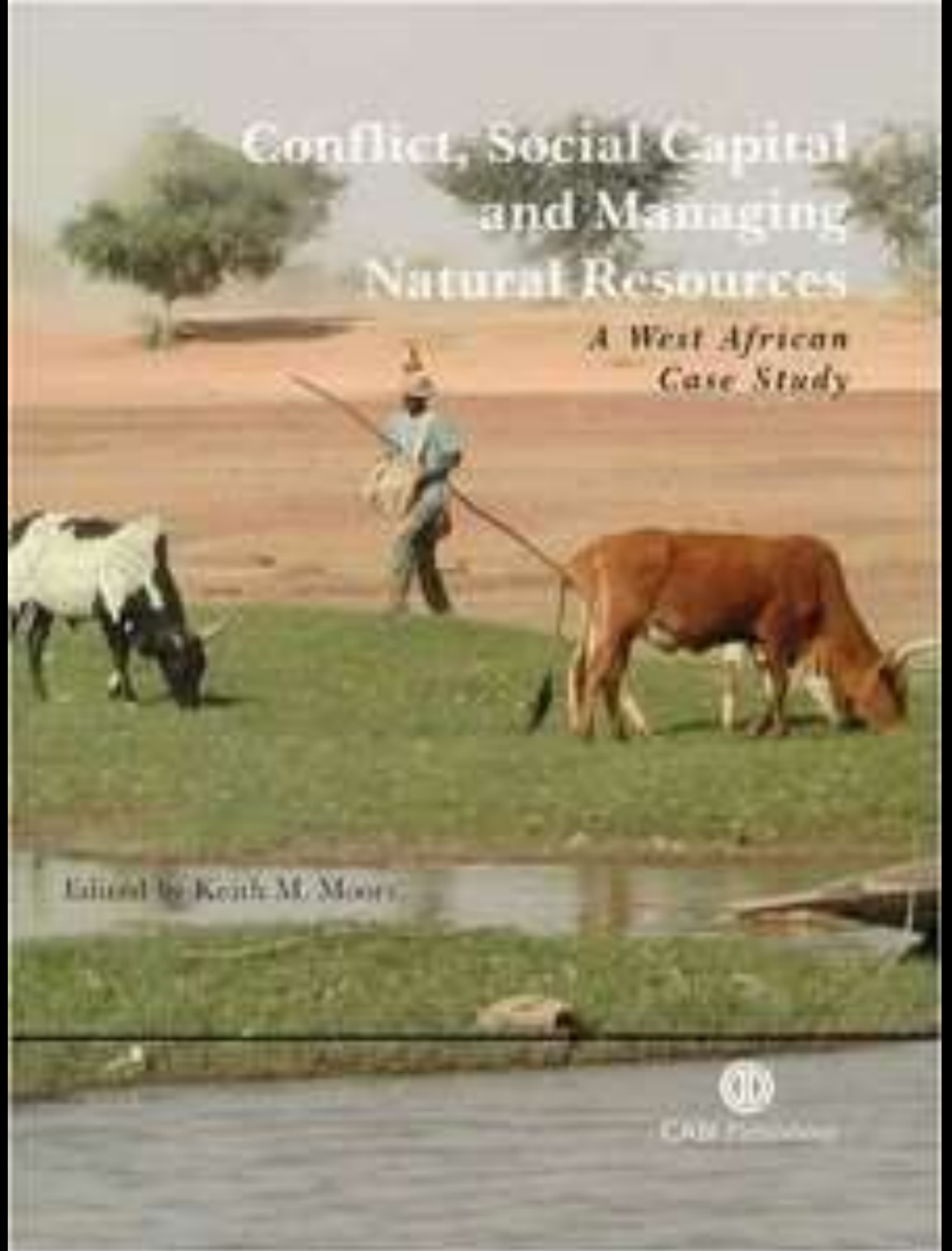
CABI Publishing


Conflict, Social Capital and Managing Natural Resources
A West African Case Study
Edited by Keith M. Moore

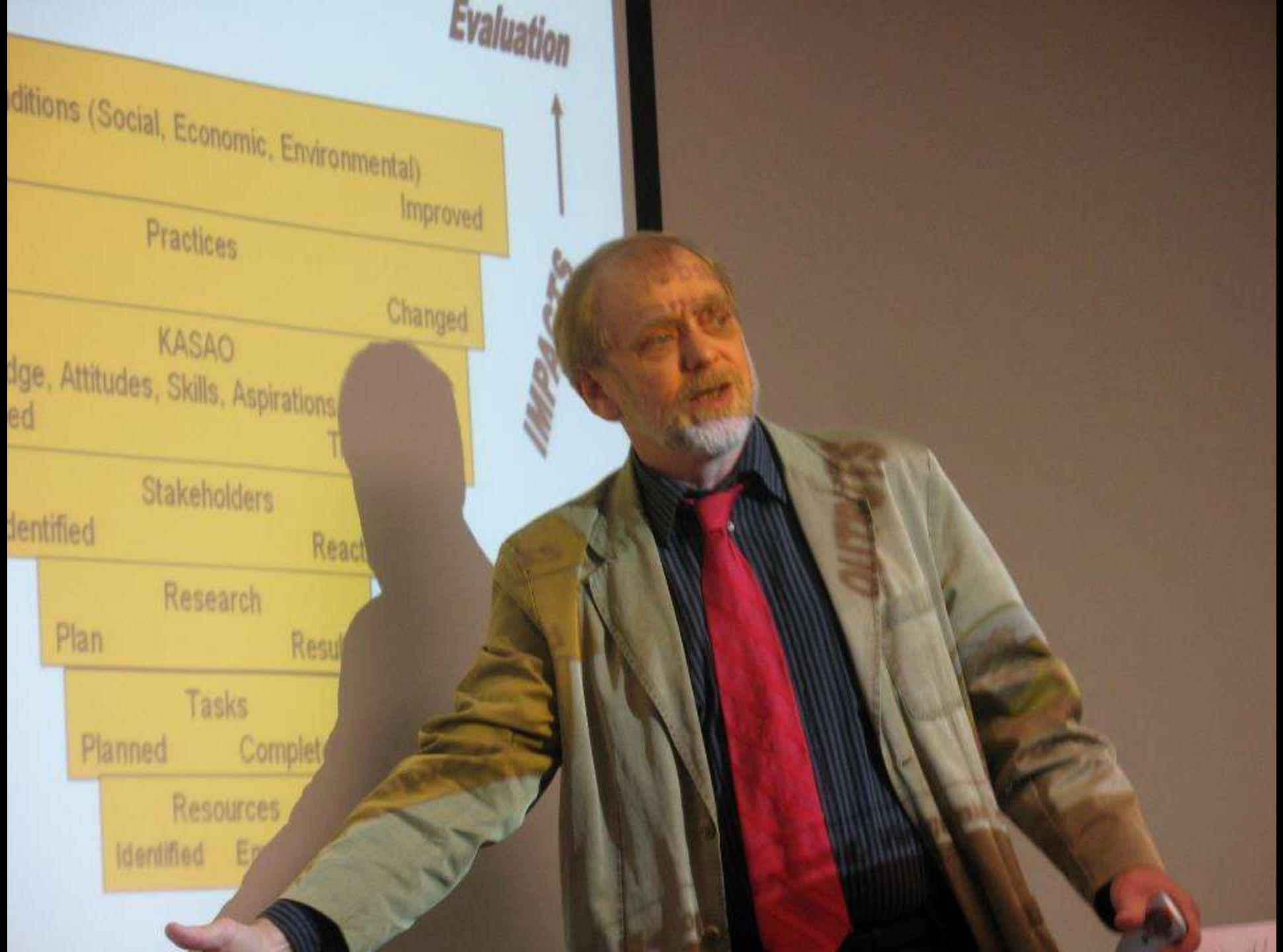
Ecoagriculture:

A Review and Assessment of its Scientific Foundations

Louise E. Buck
Thomas A. Gavin
David R. Lee
Norman T. Uphoff
with
Diji Chandrasekharan Behr
Laurie E. Drinkwater
W. Dean Hively
Fred R. Werner

Ecoagriculture Discussion Paper Number 1

Phase III and IV


Evaluation
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Improved
Practices
Changed
KASAO
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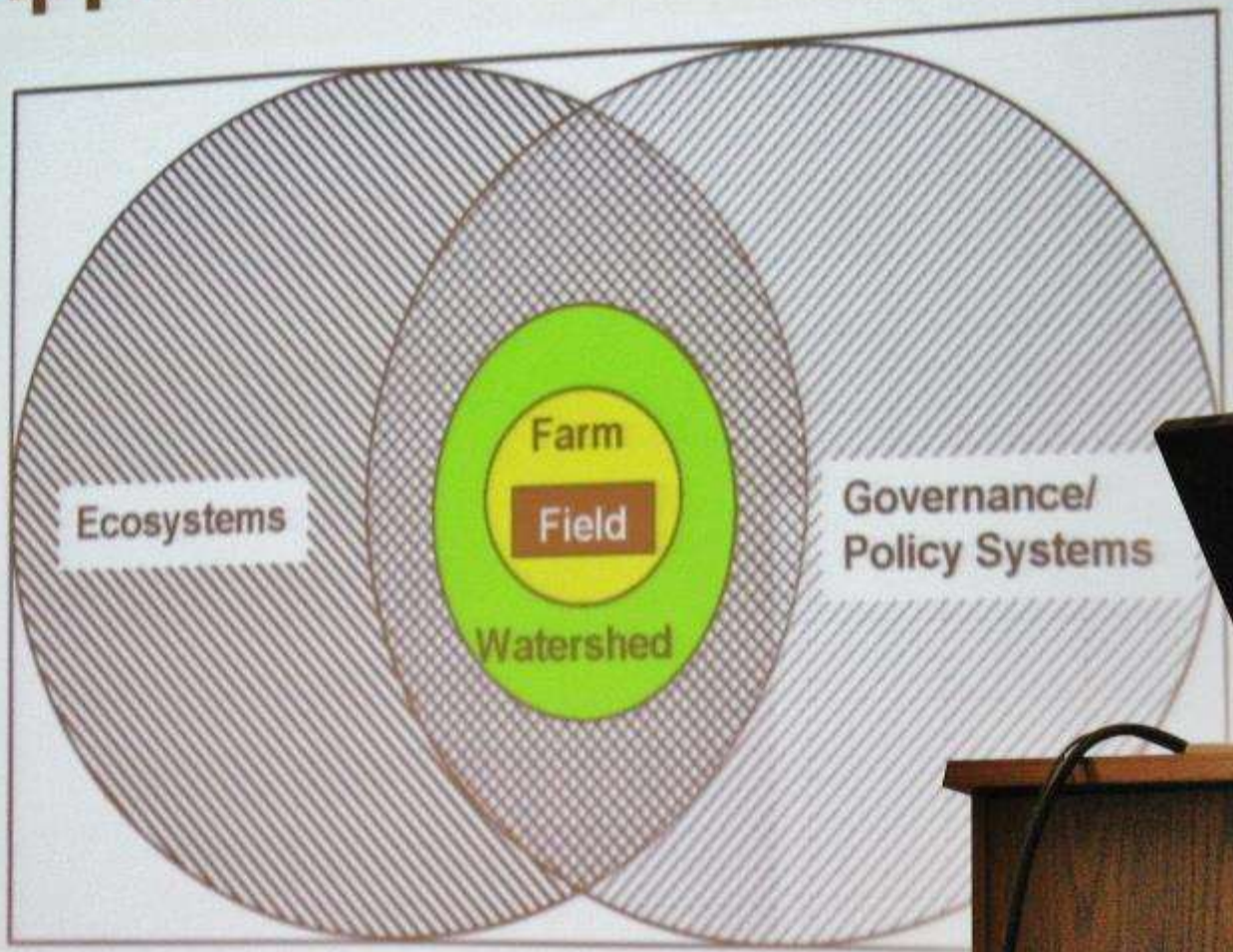
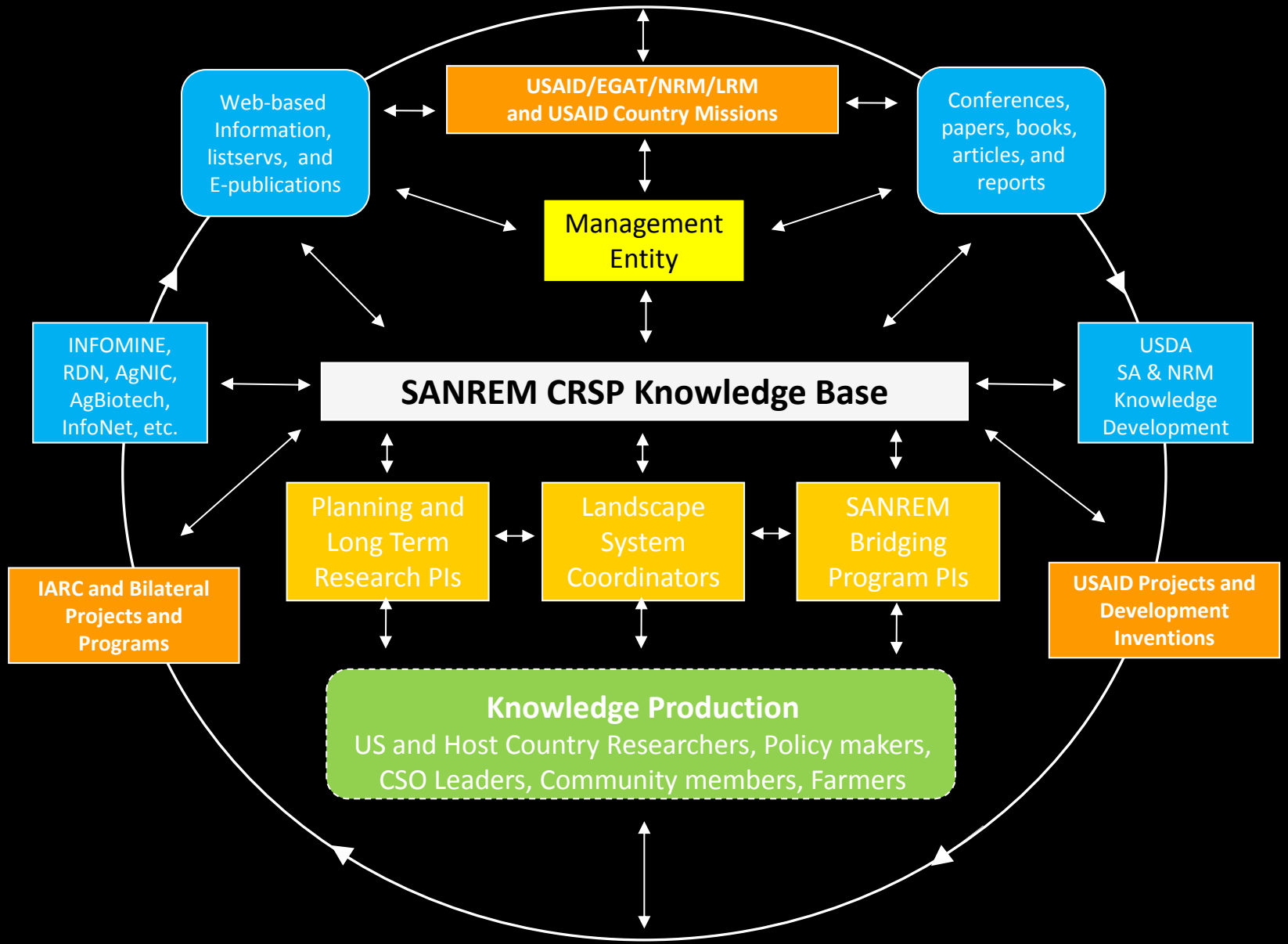
Research
Plan
Tasks
Planned
Resources
Identified
IMPACTS
OUTCO

Feb. 26-28, 2008

Landscape Systems Approach





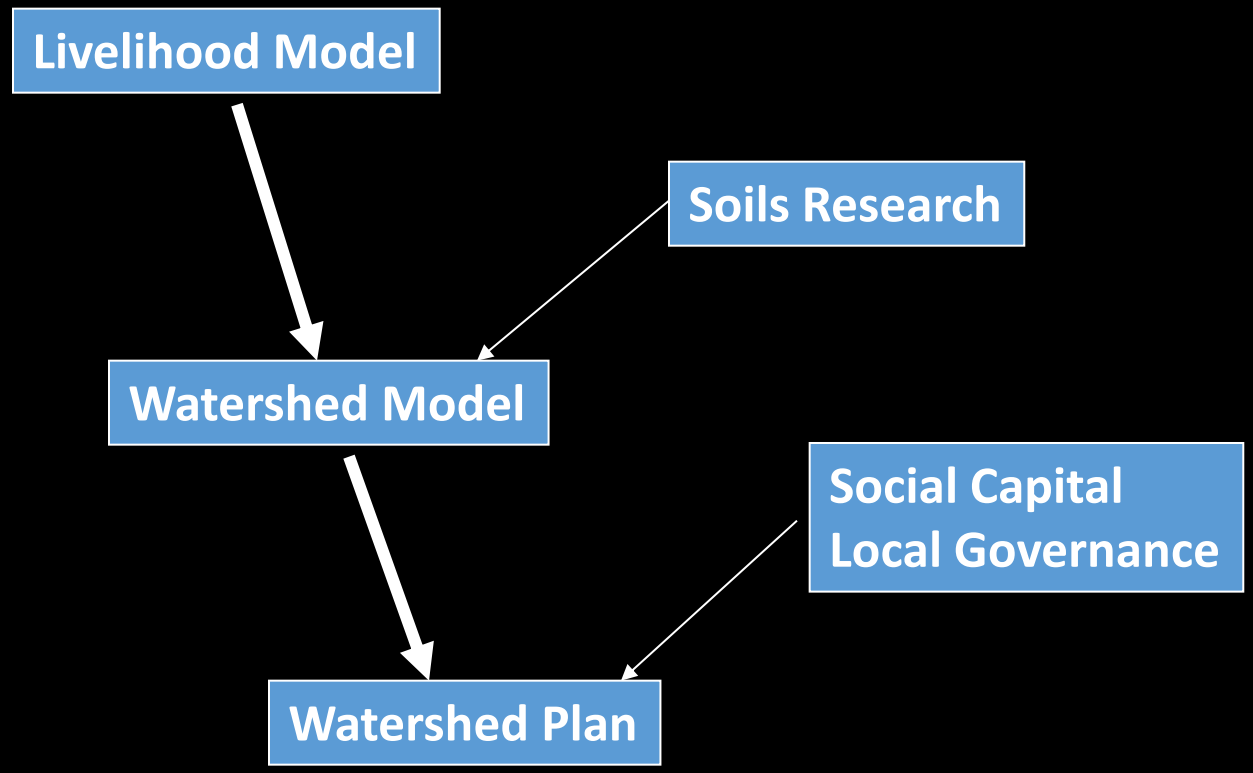
SANREM CRSP Knowledge Management System


Sustainable Production of Bio-based Energy and
Novel Plant Growing Substrate


CORINNE VALDIVIA
University of Missouri


CONSERVATION FARMER WILDLIFE PROD
Conserving natural resources

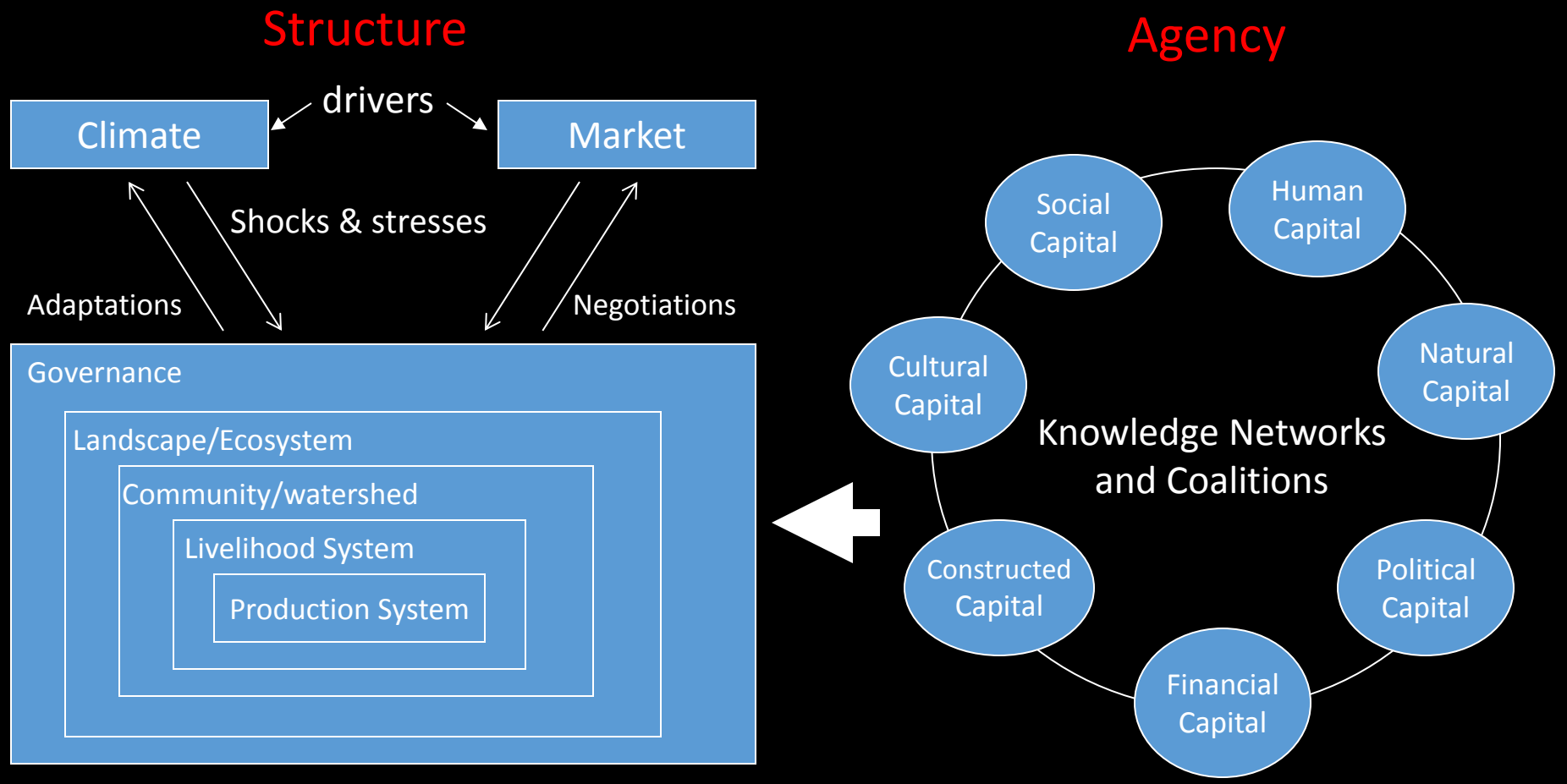
Transdisciplinary Framework (LTRA-3)



Hypotheses of relationships within and between models:

Transdisciplinary Framework (LTRA-4)

(with suggested direction for research hypotheses)



Hypotheses on the current state and its drivers

Pests	Local Climate
Soils	Local Markets
Biodiversity	Livelihoods

Transformative Hypotheses

Bridging knowledge systems for change
Building coalitions to implement change
Risk and dread and ability to act

Secondary research is used to fill in the gaps in primary research as needed for each site.


INTERNATIONAL RICE RESEARCH INSTITUTE
1960


Sustainable Agriculture and Natural Resource Management
Collaborative Research Support Program (SANREM-CRSP)
Project Title : Effect of Low-Cost Drip Irrigation System on crop yield under Agroforest & Vegetable Production Systems in the Philippines
Objective : To determine the effect of drip irrigation on the quantity and quality of Yield of selected Vegetable Crops under Agroforestry & Vegetable production systems in the Philippines
Experimental Design : 4 Replication for "with" and "without" irrigation
Crops Planted : TOMATO (Lycopersicon esculentum) CABBAGE (Brassica oleracea)
SWEET PEPPER (Capsicum frutescens) CHINESE CABBAGE (Brassica rapa)
Location : Bulaogan, Gongco, Lantapan, Bukidnon, Philippines
Cooperator : HENRY S. BINAHON
Project Leaders : Dr. Victor B. ELLA University of the Philippines Los Baños
Dr. MANUEL R. REYES North Carolina A &T State University
Collaborating Agencies : Central Mindanao University
ICRAF - Philippines
Central Queensland University
Asian Vegetable Research & Development Center
USAID
TMPEGS Southeast Asia


FIRE EXIT


SANREM CRSP 2008 Annual Meeting

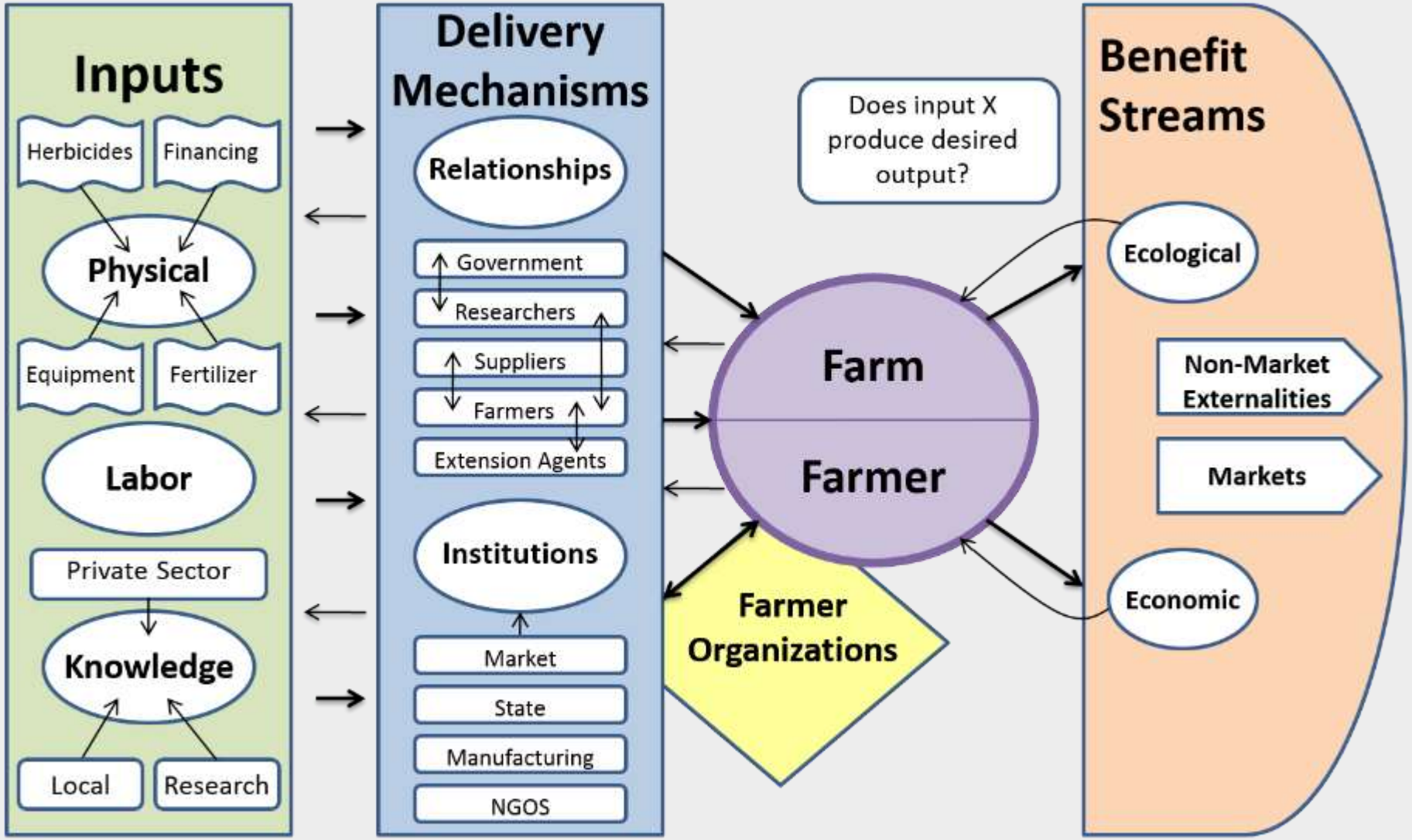
The Sciences and Art of Adaptive Management

Innovating for Sustainable Agriculture
and Natural Resource Management

Keith M. Moore, Editor

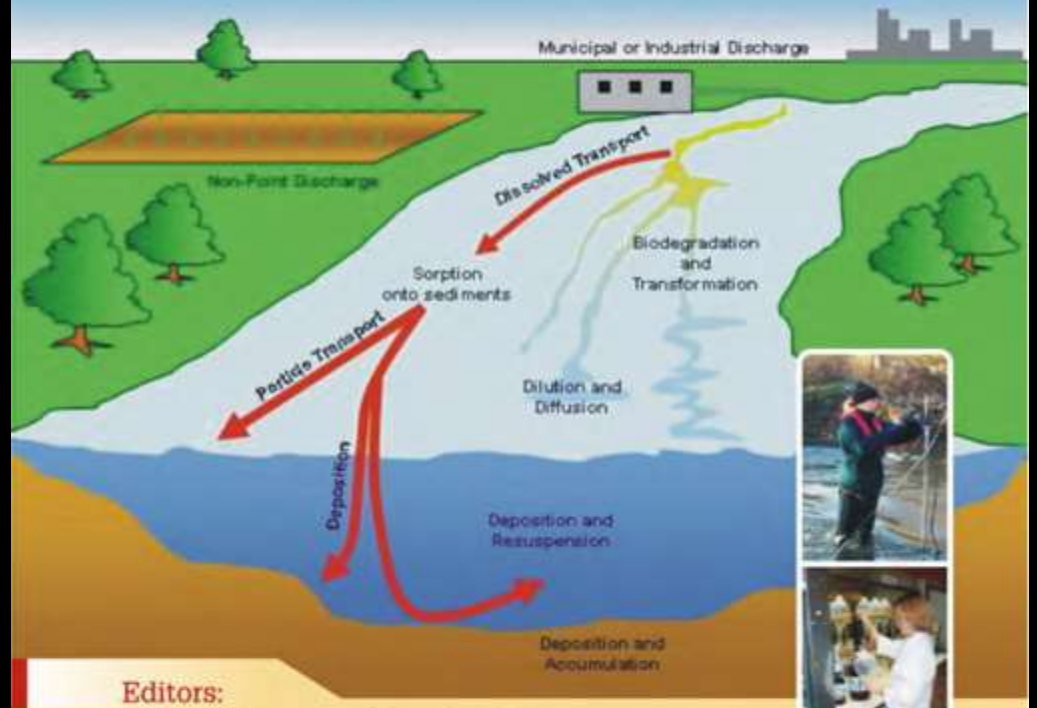

SOIL
AND WATER
CONSERVATION
SOCIETY

Model of Conservation Agriculture Production System



World Association of Soil and Water Conservation
Special Publication No. 4

Soil and Water Assessment Tool (SWAT)
Global Applications



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Manuel Reyes
Samran Sombatpanit


SANREM
USAID
Carbon Sequestration CCRA
3
② WHAT ARE THE
OPPORTUNITIES TO
WORK ACROSS PROJECTS
FOR THE BENEFIT
OF ALL?


gn and Some Preliminary Results
USAID
Neal Eash
Mike Kelly
USAID


Kitale Technology Network Information Flows


CASSA
STYLOSA
CASSAVA
60-30-30 N
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Experiencias en el manejo integrado de recursos naturales en la subcuenca del río Chimbo, Ecuador

Editores:

Víctor Hugo Barrera

Jeffrey Alwang

Elena Cruz

The 3rd International Conference
on Conservation Agriculture in Southeast Asia

Hanoi · 10th > 15th December 2012

PROCEEDINGS

Conservation Agriculture
and Sustainable Upland Livelihoods

Innovations for, with and by Farmers
to Adapt to Local and Global Changes

cirad

The University Of Queensland
AUSTRALIA

World Association of Soil and Water Conservation (WASWAC)

Special Publication No. 7

Conservation Agriculture in Southeast Asia and Beyond

Editors: Michael J. Mulvaney, Manuel R. Reyes, Catherine Chan-Halbrendt, Stéphane Boulakia, Kaesorn Jumpa, Chinapatana Sukvibool and Samran Sombatpanit

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Program Leader, Livestock Systems and Environment, ILRI/Nairobi

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Nadezda Amaya

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Margaret Kroma

Assistant Director General for Partnerships, ICRAF

Gladys Buenavista
International Consultant