

Research Partnership for Development Impact

Conceptual and Methodological Challenges



DINDO CAMPILAN
CIP Impact Enhancement Division &
UPWARD Partnership Program

Agricultural Research for Development Impact

Rootcrops
research

participatory research
dissemination and scaling up
technology promotion
understanding and working with
farmers

Development
impact

CIP Sweetpotato ICM Research: Southeast Asia



VIETNAM

Animal feed utilization through
participatory technology devt and
farmer-to-farmer learning

PHILIPPINES

*Production of healthy planting
materials* through community-
managed system

INDONESIA

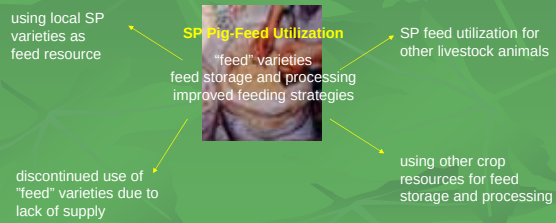
*Crop production in drought-
prone environment* through
collective action

How We Think and Do Research for Impact?

7 conceptual and methodological challenges

- Adoptors or innovators?
- Technology plus
- Beyond yield and income
- Culture in agri-culture
- Participation: from principle to practice
- Impact attribution or contribution?
- Lack of impact vs. lack of evidence of impact

1. Adoptors or innovators?



1. Adoptors or innovators?



2. Technology plus



- use of *in vitro* mother plants
- rapid multiplication techniques
- controlled (nethouse) envt
- serological indexing
- investing in construction and management of low-cost nethouses
- informal policy on premium pricing for healthy planting materials
- organizing farmers for distribution and marketing

2. Technology plus

Components	Development Outcomes	Knowledge (Research) Products
1. Strengthening capacity of tissue culture units	Technical/research capacities of 4 institutions strengthened, local resources mobilized	Capacity development strategies evaluated in on-going IDRC project
2. Establishment and management of field nethouses	65 field nethouses locally managed, local resources mobilized	4 low-cost nethouse prototypes
3. FFS for planting materials production	170 farmers and 17 technicians (8 municipalities) trained	Curriculum for FFS-planting materials
4. Rapid multiplication technology development	117 farmers engaged in quality PM prodn, ave. net income of \$1,175.57/ha	Best-bet PM prodn practices
5. Restructuring markets for quality planting materials	Market price of quality PM is 50% cheaper than traditional PM	Mechanisms for market restructuring
6. Disease/crop performance monitoring	Use of quality PM with IDM yielded over 70% more than use of traditional PM	Best-bet ICM practices
8? Livelihoods monitoring and evaluation	Use of quality PM with IDM led to 150% more net income than use of traditional PM	Documented contributions to livelihood enhancement

INNOVATION

TECHNOLOGY + Organization + Financial capital + Infrastructure + Market + Policy

3. Beyond yield and income

- Impact of SP feed improvement on pig-raising livelihoods in Vietnam

OUTPUTS
(results of activities)

- "feed" varieties selected
- fermentation/silage methods developed

OUTCOMES
(effects/
immediate changes)

- increased knowledge on SP pigfeed potentials
- increased application of feeding strategies developed through project

IMPACTS
(effects of outcomes/
long-term changes)

- savings in women's labor spent for feed preparation → Do women have more time for other social roles?
- increased feed availability during pig-raising season → Are people less likely to migrate to urban centers?
- increased net profit from pig-raising → Does it increase household savings and enhance livelihood capitals?

3. Beyond yield and income

Emerging impact targets

- Gender equity
- Empowerment
- Social capital
- Local governance
- Capacity development
- Partnerships



4. Culture in agri-culture

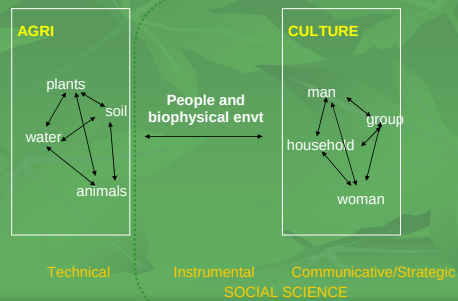


- SP IPM regional program in Southeast Asia
- Key pest constraints: *weevil*, *viruses*

- But in Indonesia: PIGS



4. Culture in agri-culture

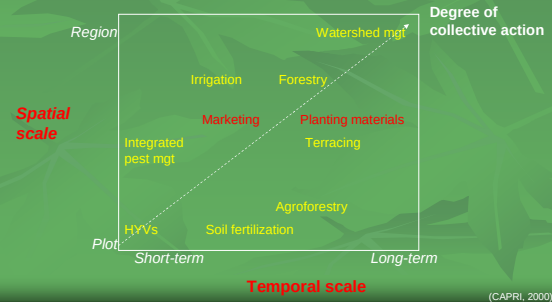


5. Participation: from principle to practice

- When is collective action necessary?

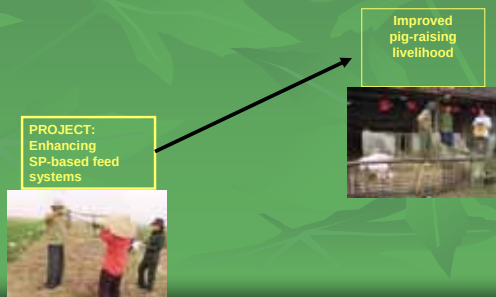


5. Participation: from principle to practice



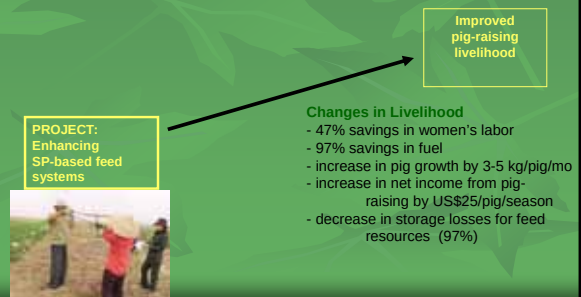
6. Impact attribution or contribution?

- SP feed impact on pig-raising livelihoods in Vietnam

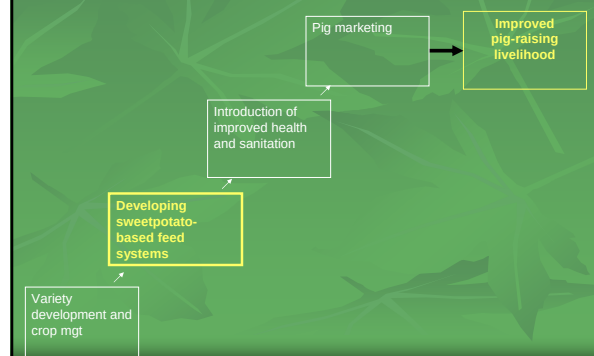


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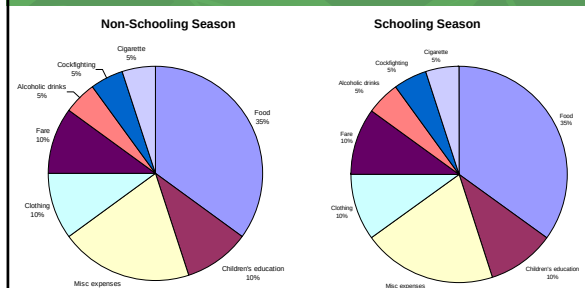


6. Impact attribution or contribution?



8. Lack of impact or lack of evidence of impact?

How increased income is used by SP farming households in the Philippines



8. Lack of impact or lack of evidence of impact?

Lack of impact

vs

Lack of evidence of impact

Project failed to achieve goal

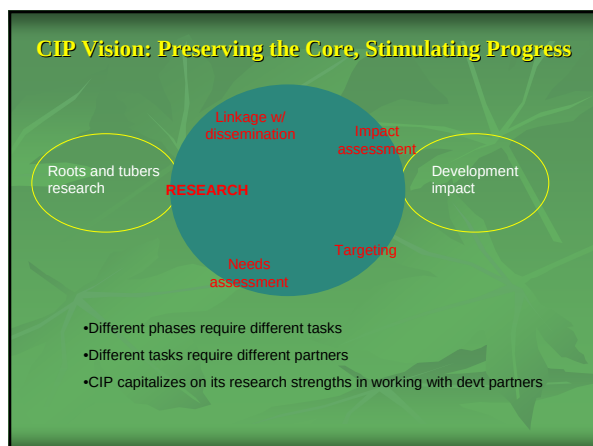
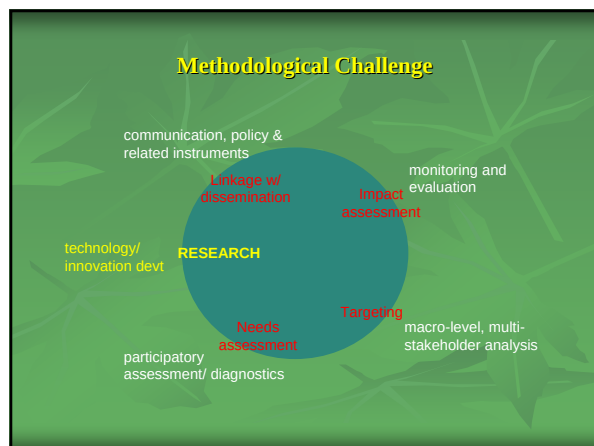
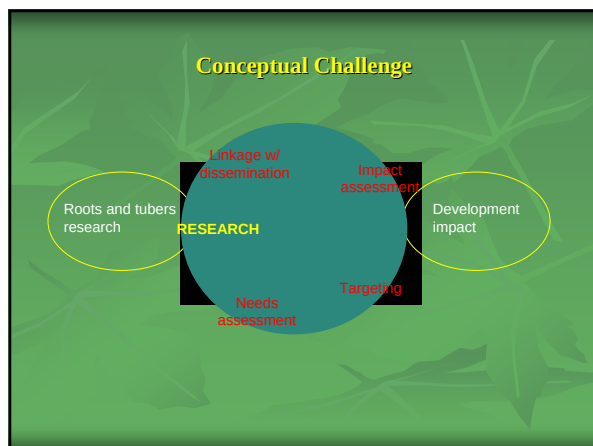
Project may have achieved goal but failed in providing the evidence

Implementation issue

Monitoring and evaluation issue

What Next for CIP?

- Enhancing contribution of root and tubers to the UN MDGs
- No longer "business as usual"
- Taking research-for-development more seriously



For more information

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