

**Participatory Impact Pathway Analysis Workshop Participants, 24th-25th July 2009, Nha Trang, Vietnam**

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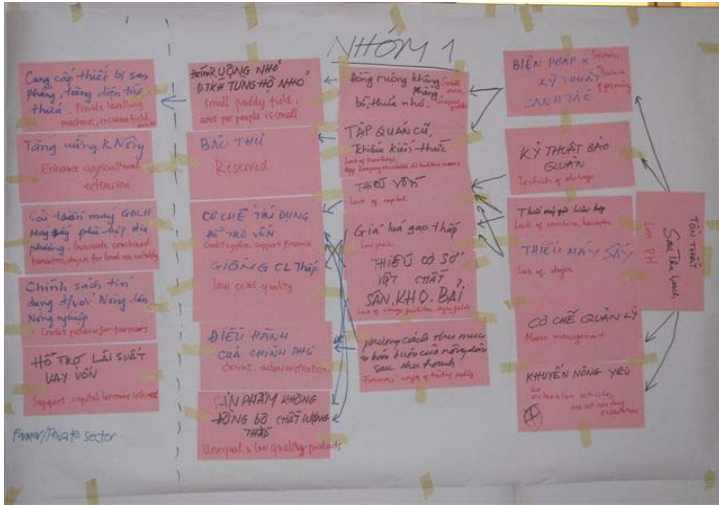
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<b>Support</b>								
	Tonya Schuetz	Female						
	Rica Joy Flor	Female						
	Phan Hiếu Hiền	Male						

**Participants' grouping**

<b>Name</b>	<b>Organization / Agency</b>	<b>Position / Title</b>
<b>Group 1</b>	<b>Farmers and private sector</b>	
Phan Văn Thuận	Viet Tien Machinery Company, Khanh Hoa Province	Director
Nguyễn Thị Hồng Ngọc	Ideal Agriculture Joint-stock Co., HCMC	Director
Trần Châu Việt	Machinery Shop, Binh Thuan Province	Head
Nguyễn Văn Lành	Hoa Quang Nam Trading Cooperative, Phu Hoa District, Phu Yen Province	Head
Lương Công Văn	Ninh Hoa Cooperative Alliance, Khanh Hoa Province	Head
Nguyễn Trường Sanh	Dien Lac Cooperative, Khanh Hoa Province	Head
Phan Ngọc Ân	Van Gia Town Cooperative, Van Ninh district, Khanh Hoa Province	Head
<b>Group 2</b>	<b>Researchers</b>	
Nguyễn Lê Hưng	NLU HCMC	Vice Rector
Đặng Hữu Dũng	NLU HCMC	Vice Dean
Trịnh Trường Giang	NLU HCMC	Rector
Nguyễn Văn Hùng	NLU HCMC	Vice Head BTI
Lê Thị Diệp Thảo	DST Khanh Hoa Province	Specialist
Đỗ Thị Yến	APEC Khanh Hoa Province	Vice Head
<b>Group 3</b>	<b>Government agencies 1</b>	
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Nguyễn Như Thức	DARD Phu Yen Province	Vice Director
Lê Viết Cường	DARD Phu Yen Province	Specialist
Võ Công Hậu	DARD Vung Tau Province	Vice Director
Tô Hữu Lộc	AEC Vung Tau Province	Head of Technical Division
Phan Tấn Trung	AEC Binh Thuan Province	Vice Head of Technical Division
Kiều Tấn Đạt	DARD Ninh Thuan Province	Specialist
Trương Hữu Lan	Branch of DARD Khanh Hoa Province	Head
Phan Minh Báu	DARD Dong Nai Province	Vice Director
<b>Group 4</b>	<b>Government agencies 2</b>	
Võ Hiệp Hưng	AEC Tay Ninh Province	Head
Lê Công Thọ	DARD Phu Yen Province	Specialist
Phạm Thị Chín	AEC Vung Tau Province	Vice Head
Nguyễn Ngọc Hưng	DARD Binh Thuan Province	Vice Director
Đỗ Văn Mao	Hoa Thanh Agriculture-Services Cooperative, Phu Long Town, Ham Thuan Bac District, Binh Thuan	Head
Lê Tiến Dũng	APEC Ninh Thuan Province	Vice Head of Technical Division
Võ Đình Khánh	AEC Binh Phuoc Province	Vice Head of Technical Division
<b>Support</b>		
Tonya Schuetz	IRRI	Expert
Rica Joy Flor	IRRI	Expert
Phan Hiếu Hiền	NLU HCMC	Expert
<b>Facilitators</b>		
Bùi Ngọc Hùng	NLU HCMC	Vice Dean
Nguyễn Văn Xuân	NLU HCMC	Director
Trương Thực Tuyền	NLU HCMC	

**Group 1**  
**Problem tree of entrepreneurs/manufacturers group 1 (Nha Trang)**



Provide levelling equipments, increase field areas	Small fields, small area per households	Unlevelled fields, small areas	Lack of cultivation method and techniques	
Enhance agricultural extension	conservative	Old-fashioned practices, lack of knowledge		
	Lack of credit support system	Lack of capital	Lack of preservation techniques	
Improve appropriate combined harvesters and dryers locally	low quality seeds	Low rice prices	Lack of combined harvesters	
		Lack of materials, warehouses	Lack of dryers	PH Losses
Have credit policy for agriculture	Governmental Management	Trading ways of farmers	Weak management structure	
Support loan interest		Low quality and unequal products	Weak agricultural extension	

Group 2

Problem tree of researchers group 2 (Nha Trang)



Enhance agricultural extension	Lack of information	Lack of equipments, techniques	Delayed harvesting time	
Develop the information network	Lack of stakeholders' networks			
Build up policies	Unstabilized cultivation	Due to nature, cultivation practices		
	Limitation of new tech acquisition			
Mechanisation	Workers emigration to cities due to industrialisation	Lack of labour forces	Lack of transportation equipments	PH losses
			Lack of dryers	
Study equipment manufacturing	Lack of information	Lack of equipments, techniques		
Rural credit	Lack of linkages		Lack of trimming, storage equipments	
	Lack of capital			

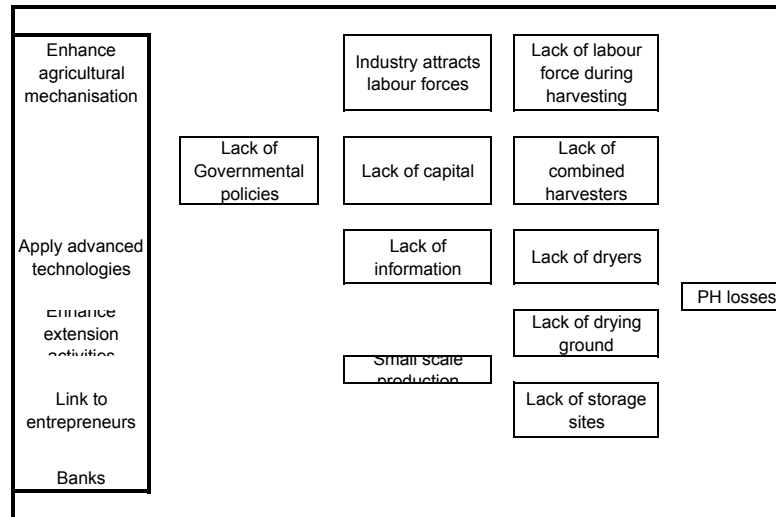
Group 3

Problem tree of governmental group 3 (Nha Trang)



Enhance research and tech transfer projects	Weak research activities	Inappropriate techniques	Lack of combined harvesters	
Reorganise production	Old-fashion production organisation	Small production scale		
Have supporting policies	Lack of supporting capital policy	Unlevelled fields		
		Lack of capital	Lack of dryers	PH losses
Enhance extension activities	Weak extensions	Lack of machine knowledge		
Reorganise production	Lack of production	Small production scale, ineffective	Unsuitable storage,	
		Low durability		
Increase services	Lack of services	Unsuitable preservation method		

**Group 3**  
**Problem tree of governmental group 4 (Nha Trang)**



**Visions Summaries**

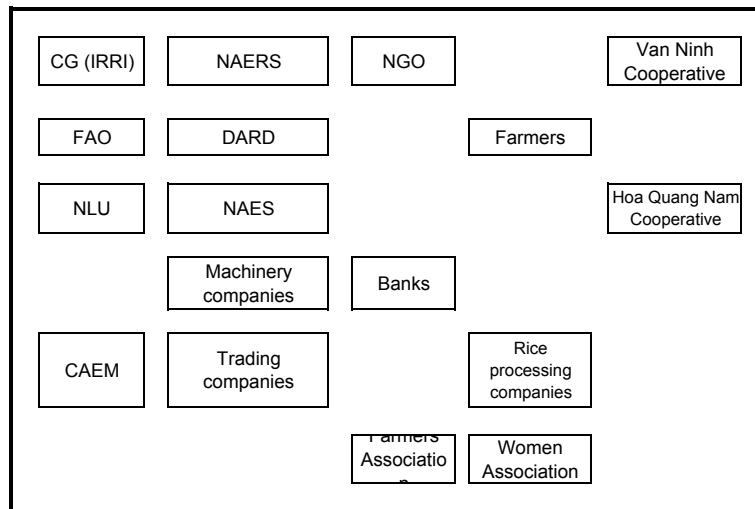
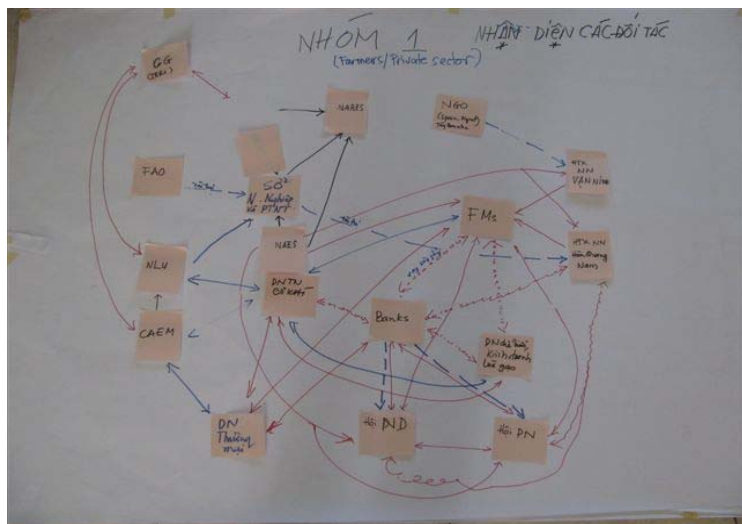
<b>Group1:</b> Farmer & Priv. Sect.	Policy makers and local authorities pay more attention to farmers by making suitable policies and increasing extension activities. Researchers and manufacturers produce suited PH equipments with reasonable prices. Entrepreneurs share profits with farmers. Scaling out: Information dissemination to farmers by mass media and training workshops. Political support: suitable policies and actions such as tax incentives, increasing land limit, equipment subsidy, loan-interest supporting etc. Farmers are inspired and enable to buy PH equipments, thus their incomes & livelihoods increase.
<b>Group2:</b> Researcher	Researchers: develop PH machines such as combined harvester, dryers, storage silos and business model. Scaling out: AEC, prototypes and on-site workshops; political support: human resources (education, training extension staff), mechanism facilitation (bank credit, new model of cooperative); by 2013, better livelihoods and rice production technical level will be obtained while manual labour will be reduced.
<b>Group3:</b> Govt Ag.I	Policy makers, researchers, manufacturers and banks make their own suitable actions in terms of policy promulgation, technology research, equipment manufacture and credits, respectively. Scaling out: focus on extension activities and the Learning Alliance; Political support: loan, tax incentives; improving services. Farmers are encouraged to apply PH mechanisation. As a result, incomes & quality products increase.
<b>Group4:</b> Govt Ag.II	Scientists produce appropriate equipments; Scaling out: farm clubs, extension activities; Political support: loan, tax incentives, deferred-payment via extension schemes. Farmers will put more investment to rice production. Their incomes and livelihoods will be better.



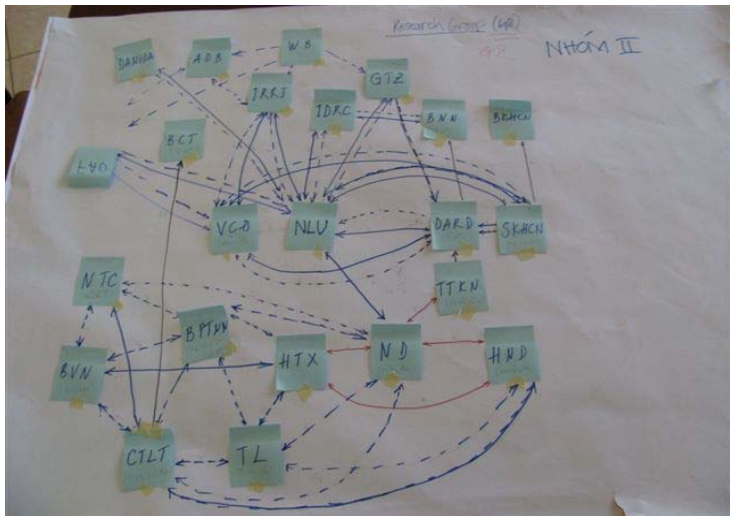
Visions	Farmers and private sector	Researchers	Government agencies 1	Government agencies 2
	Group 1	Group 2	Group 3	Group 4
<p><b>What are the next users doing differently? How are men benefiting? How are women benefiting?</b></p>	<p>Policy makers (legislature): make suitable policies (laws, decrees)  Entrepreneurs: reasonable payment, share profits with farmers  Researchers, manufacturers: bring about products, technologies, seeds suited for each region with reasonable prices  Authorities (executive): increase extensions, enable to change the inappropriate cultivation and storage practices  Banks, credit fund: flexible credit system</p>	<p>Improve medium size combined harvesters (wide 2m, losses &lt; 3%)  Study some modern and high capacity dryer models which are acceptable by users  Figure out effective business model to reduce PH losses  Build up storage silos with capacity 10,000 tons</p>	<p>Promulgate suitable policies, technology transfer  Study to bring out the appropriate technologies  Produce equipments, machines suited to needs  Banks are ready to provide credit in right demands</p>	<p>Scientists: manufacture, improve suitable equipments</p>
<p><b>How are project outputs disseminating (scaling out)?</b></p>	<p>Increase time limit, quality of information broadcasted on mass media  Conduct training courses, workshops towards farmers  Support, encourage farmers to apply new technologies  Find out fund resources for farmer households</p>	<p>Develop effective agricultural extension and information systems  Develop prototypes and on-site workshops</p>	<p>Increase the effectiveness of extension activities (media, prototypes, demonstrations, workshops, training)  Enhance the effectiveness of Learning Alliance</p>	<p>Establish clubs of farmers  Organise workshops and study tour for agricultural extension  Information dissemination</p>
<p><b>What political support is nurturing this spread (scaling up)?</b></p>	<p>Support buying equipment by subsidy, reducing interest, long-term loan  Tax policy for entrepreneurs, cooperatives buying rice directly  Land and land limit policies</p>	<p>Educate rural professions  Have incentive policy for agricultural extension staff  Credit support  Develop new model of cooperatives  Develop infrastructure</p>	<p>Support capital for farmers buying equipments  Reduce taxes of import, equipment manufacture  Enhance service activities</p>	<p>loan incentives  Buy materials and equipments by deferred-payments  Support capital, techniques via agricultural extension schemes</p>
<p><b>What are the end users doing differently? How are they benefiting?</b></p>	<p>Reduce labour, increase income, higher rice price  Enable to buy high tech equipments  Be inspired  Increase consumption and living standard</p>	<p>Increase profits and better livelihoods  Reduce labour work, particularly for women  Enhance technical level of rice production</p>	<p>Be encouraged to buy equipments and apply advanced technologies  Cooperate and associate for suitable production organisation  Improve PH knowledge  Increase income thanks to PH losses reduction  Increase the value and quality of products</p>	<p>Increase the percentage of advanced tech application  Put more investment to production  Economic effect: high yield, good quality  Increase living standard</p>

Acronym	Full Name
<b>Government Intities</b>	
AEC	Agricultural Extension Centre
ARDA	Agriculture and Rural Development Agency
Crop Agency	Crop Agency
DARD	Department of Agriculture and Rural Development
District level DARD	District level DARD
DIT	Department of Industry and Trade
DPI	Department of Planning and Investment
DST	Department of Science and Technology
MARD	Ministry of Agriculture and Rural Development
MIT	Ministry of Industry and Trade
MST	Ministry of Science and Technology
NAEC	National Agricultural Extension Centre
Processing Agency	Processing Agency
Quality Management Agency	Quality Management Agency
UBND Tinh	People's Committee (Provincial)
<b>International Organisations</b>	
DANIDA	
FAO	Food and Agriculture Organization
GTZ	
IRRI	International Rice Research Institute
NGO	non-governmental organisation
<b>Univeristy/Institutions</b>	
CAEM	Centre of Energy and Agricultural Machinery NLU HCMC
NLU	Nong Lam University
O Mon Rice Institute	O Mon Rice Institute (Mekong Delta River)
VIAEP	Vietnam Institute of Agricultural Engineerng and Postharvest Technology
VN Agricultural Science Institute	VN Agricultural Science Institute
Farmers	
Van Ninh Cooperative	
Hoa Quang Nam Cooperative	
Cooperative Alliance	
Cooperative Alliance	
<b>Private Sector</b>	
Banks	
Machinery companies	
Trading companies	
Rice processing companies	
Nam Thanh miller	
BV Ngo manufacturer	
Trader	
<b>Organisations</b>	
Farmers Association	
Women Association	
Youth Organisation	
Labour Organisation	

**Group1 Network Map**

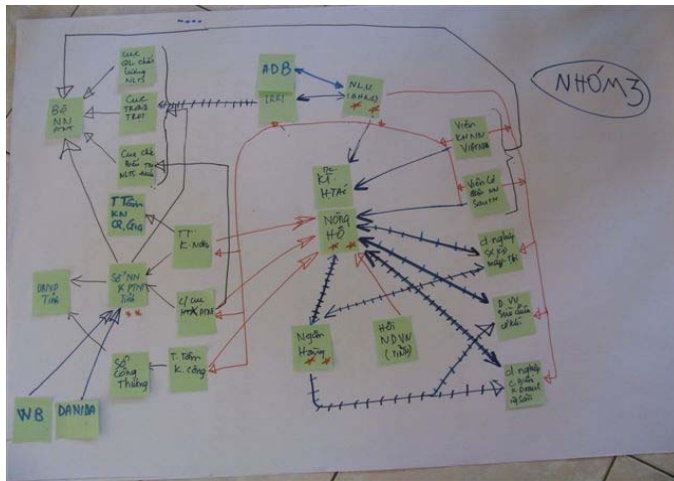


**Group2 Network Map**



DANIDA	ADB	WB	GTZ		
FAO	MIT	IRRI	IDRC	MARD	MST
	VIAEP			DARD	DST
Nam Thanh miller		NLU		AEC	
BV Ngo manufactur		cooperativ e	farmer	Farmer Association	
	food company	Trader			

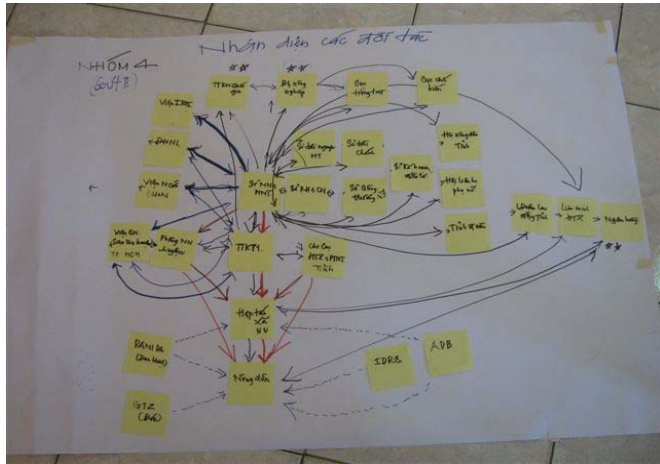
Group3 Network Map



MARD	Quality Management Agency		ADB	NLU**	VN Agricultural Science Institute
	Crop Agency		IRRI	Tech Centre	VIAEP
	Processing Agency			Farmer	equipment manufacturer
UBND Tinh	NAEC	AEC			service provider
WB	DARD **	ARDA **	Banks **	Farmer Association	food processing company
DANIDA	DIT	IEC			

Group4 Network Map

Group4 Network Map



	NAEC**		Crop Agency					
IRRI		MARD**		Processing Agency				
NLU		DNRE	Dept. Finance	Farmer Association				
O Mon Rice Institute	DARD	DST	DPI	Women Association				
VIAEP	District level DARD	AEC	DIT	Youth Organisation	Labour Organisation	Cooperative Alliance	Bank	
DANIDA	Cooperative	ARDA		ADB				
GTZ	Farmer		IDRC					

**Combined Outcome Logic Model (Group 1-4) Nha Trang**

(1)=Farmers and private sector group; (2)=Research group; (3)=Governmental Agencies 1 group; (4) Governmental Agencies 2 group

Actor (or group of actors)	Change in practice	Change in Knowledge, Attitudes or Skills	Strategies for achieving these changes in KAS and practice?
Farmers	Apply advanced PH technologies and equipment (1-4); Use high quality seeds (1); Approach market information: prices, demands (1); Create links to economic organisations (3); Acknowledge profits of rice cultivation is equivalent to efforts (1)	Acquire technological knowledge (2, 3, 4); Increase the awareness, the expertise and the application of PH Technologies (3); Follow up PH, market information in mass media (1); Be aware of economic cooperation (3); Attend training, workshops(1)	Organise training workshop (1, 2); vocational training (4); PH farmer clubs (4); information dissemination on radio, internet to countryside (2) study tours national and global (2, 4); More attention of local authorities (1); Good hold of information, production collaboration, investment planning (3)
Governmental officials/Local authorities	Make suitable policies: credit and land limit (1, 2, 4), Research and technology transfer (3), information network for rural areas (2), Educate rural professions (2); budgets for AE training and activities (1)	Proper attention to farmers and rural area (2, 3); management competencies (2, 3), timely policy promulgation (1); training local technical officers (1)	Accurate estimation global and national rice market needs and demand (1), information of equipments, production and market (3, 4), Suitable policies: land limit increase, loan support, countryside extension staff wage incentives (1, 2, 4), training program for extension staff qualifications, PH equipment competition (2); Rural infrastructure (2); linkage point between collaborative of 4-actors (3)
Research institution	Manufacture PH machines (combined harvester, dryers, etc.) successfully (2, 3)	design knowledge (2); close touch with reality (2, 3); manufacture and technology transfer skills (2)	Design and manufacture expertise, soft skills for technical staff (2); update worldwide technology application (4); visions of equipment production and research in response to farmers' needs locally (4); an order system and fit pay (copyright) to valuable products (machines, technologies) (3)
Enterprises/ manufacturers	Produce suitable equipments in accordance with farmers' needs (3, 4)	Serve customers thoughtful (3); Enhance strategies approaching market demands (4)	Province information of equipments, produce PH equipments suited for localities with low prices, high quality (3, 4); Invest for technology change and plan long-term production strategies (4); Good production management, reduce product cost, convenience trading way for farmers, value the after-sales system (4);
Mediators (private sector, cooperatives)	Apply advanced technologies (1); Act as links between farmers and other mediators (1)	Raise the sense of initiative in updating information related to PH technology (1)	Update frequently technological information, consult to farmers and food processing companies (1); Establish info network of rice market (2)
Extension officers	Technology transfer skills (4)	Equip knowledge for farmers (4)	Scale out demonstrations, training course, workshops, study tours for improving farmers' competencies; Enhance communications by various ways as forums, farmers' mailboxes; Organise and consolidate cooperative groups, cooperatives; Improve qualification of local extension staff. Establish volunteer extension groups (4)
Banks	Quicker and better order loan procedures(4)	Acknowledge farmers' needs (4)	Improve loan procedures to help farmers approaching loan capital incentives; Improve qualification of bank staff; Deduct partly bank profits to support farmers applying PH technology advances (4)
Sponsors	Provide effective donor resources(3)	Evaluate suitable sponsor subjects (3)	Support right demands of subjects: farmers buying equipments, PH technology studies, Manufacturers producing equipments with reasonable prices. (3)

### Group 1 Outcome Logic Model

Actors	Change in practice	Change in KAS to support changes	Strategies to bring about these changes in KAS & practice
Farmers	Apply advanced technology to cultivation	Increase agricultural extension	Widen information network by organising training workshop to local for cultivation knowledge improvement
	Mechanise all PH stages	Follow up information in mass media	Local authorities should pay more attention to facilitate farmers approaching and implementing projects
	Approach market info: prices, demands	Bring internet to rural areas	
	Acknowledge profits of rice cultivation is equivalent to efforts	Organise training, workshops	
	Use high quality rice seeds	Support loan credit	
Mediators (Private sectors, cooperatives)	Potential to support farmers	Raise the sense of initiative in updating information related to PH technology	Update frequently technological information, consult to farmers and food processing companies
	Take the initiative in applying advanced technologies		
	To be treated equally to get benefits	To be given proper attention, in accordance with one's post in terms of policy and conception	
	Act as links between farmers and other mediators		
Government	Increase land limit	Promulgate suitable policies timely	Estimate accurately needs of demand and supply in rice market nationally and globally to promulgate suited policies
	Provide budgets for AE training and activities	Support training for enthusiastically technical officers to localities	Policies of agricultures have to be long-term stable.



## Group 2 Outcome Logic Model

Actors	Change in practice	Change in KAS to support changes	Strategies to bring about these changes in KAS & practice
Researchers	Manufacture PH machines (combined harvester, dryers, etc.) successfully	Strengthen design knowledge	Develop technology transfer projects
		Close touch with reality	Organise training course of design and manufacture
		Enhance manufacture and technology transfer skills	Improve soft skills for technical staff
Farmers	Apply technologies and machines	Enhance technology and knowledge acquisition	Improve communication activities, agricultural extension combined with researchers' consultancy
		To be aware of the benefits of mechanisation	Set up information sites (radio, internet) to districts
		Use equipments effectively	Organise prototype of production applying mechanisation effectively
			To be attended training courses Organise for farmers visiting national and global fairs or effective production venues
Government	Have credit policies frequently	Have skills of project planning and management	Increase land limit to facilitate the application of mechanisation into large scale production
	Bring information network to rural areas	Pay proper attention to rural areas and farmers	Have loan-supporting policies for agriculture
	Educate rural professions to serve rural development		Develop the internal transportation system in fields
			Have wage policies and incentives for technical staff working in countryside
			Organise training workshops for strengthening agricultural extension staffs' competencies

### Group 3 Outcome Logic Model

Actors	Change in practice	Change in KAS to support changes	Strategies to bring about these changes in KAS & practice
Farmers	Practise more equipments (combined harvesters, dryers)	Increase the awareness, the expertise and the application of PH Technologies	Get a good hold of information, production collaboration, planning for capital investment in buying equipments
	Create more links to economic organisations		
Government/ authorities	Build up, promulgate, deploy suitable policies	Improve management competency	Plan and conduct project implementation, PH production mechanisation.
	Research and technology transfer	Have a close touch with reality	Focus on: supporting policies, training on management and technical knowledge
			Provide information of equipments, production and market. Act as linkage point between collaborative of 4-actors
Entrepreneurs	Produce suitable equipments in accordance with farmers' needs	Serve customers thoughtful	Provide information of equipments, produce PH equipments suited for localities
	Enhance credit service activities		
Researchers	Study, manufacture, modify equipments for farmers	Have a close touch with reality	Have an order system and fit pay (copyright) to valuable products (machines, technologies).
			Plan and conduct PH mechanisation projects suited for localities.
Donours	Provide effective donor resources	Evaluate suitable donor subjects	Support right demands of subjects: farmers buying equipments, PH technology studies, Manufacturers producing equipments with reasonable prices.

## Group 4 Outcome Logic Model

Actors	Change in practice	Change in KAS to support changes	Strategies to bring about these changes in KAS & practice
Farmers	Change cultivation method by using modern equipments	Have knowledge and skills to use combined harvester, dryers etc.	Vocational training to get a good hold of technologies and increase communication ways
			Establish clubs of farmers who applying PH technologies Study tour for exchanges of experiences nationally and globally
Equipment manufacturers	Improve equipment manufacture suited for each region	Enhance capability of approaching market demands	Manufacture advanced equipments for each region with high quality
			Invest for technology change and plan long-term production strategies
			Good production management, reduce product cost, convenience trading way for farmers, value the after-sales system
Banks	Quicker and better order loan procedures	Acknowledge farmers' needs	Improve loan procedures to help farmers approaching loan capital incentives
			Improve qualification of bank staff
			Deduct partly bank profits to support farmers applying PH technology advances
Researchers	Hasten advanced technologies in production	Improve levels of using equipments	Identify visions for production, studies of equipment manufacture and improvement in response to farmers' needs locally
			Update technology applications derived from research works worldwide
Extension officers	Technology transfer	Equip knowledge for farmers	Scale out demonstrations, training course, workshops, study tours for improving farmers' competencies
			Enhance communications by various ways as forums, farmers' mailboxes
			Organise and consolidate cooperative groups, cooperatives
			Improve qualification of local extension staff
Authorities	Have suitable policies timely	Foster production development	Plan suitable and long-term policies, and PH technology development
			Create legal lobby (policies) to facilitate project implementation for increasing social and economic effects

**Participants' Next Actions**

No	Name	Designation/Office	Next Action
1	Võ Đình Khánh	Vice Head of Technical Division/Center of Agricultural Extension, Binh Phuoc Province	<i>Taking part in conducting postharvest project</i>
2	Trần Châu Việt	Head/ Machinery Shop, Binh Thuan Province	<i>Consulting milling equipment to obtain high milling yield</i>
3	Nguyễn Ngọc Hưng	Vice Director/Dept. of Agriculture and Rural Development, Binh Thuan Province	
4	Phan Tấn Trung	Vice Head of Technical Division/Center of Agricultural Extension, Binh Thuan Province	
5	Đỗ Văn Mao	Head/Hoa Thanh Agriculture-Services Cooperative, Phu Long Town, Ham Thuan Bac District, Binh Thuan Province	<i>Conducting a project related to PH losses</i>
6	Phan Minh Báo	Vice Director/Dept. of Agriculture and Rural Development, Dong Nai Province	<i>Organising for Provincial Centre of Agricultural Extension conducting postharvest support program for farmer households</i>
7	Nguyễn Thị Hồng Ngọc	Director/Ideal Agriculture Joint-stock Co., HCMC	
8	Trịnh Trường Giang	Rector/Nong Lam University, HCMC	
9	Nguyễn Lê Hưng	Vice Rector/Nong Lam University, HCMC	<i>Taking part in admin team of PH project</i>
10	Đặng Hữu Dũng	Vice Dean/Faculty of Machinery and Engineering, NLU HCMC	<i>Conduct training course of combined harvester</i>
11	Trần Văn Khanh	Lecturer/Center of Energy and Agricultural Machinery, NLU HCMC	<i>Transferring technologies of rice harvesting by combined harvester and field levelling by laser control</i>
12	Nguyễn Văn Hùng	Vice Head/Technology Bussiness Incubator, NLU HCMC	<i>Taking part in PH training for farmers. Conducting partly the website for LA</i>
13	Trương Thực Tuyền	Lecturer/ Faculty of Food Science and Technology, NLU HCMC	<i>Conducting partly the establishment of LA</i>
14	Phan Văn Thuận	Director/Viet Tien Machinery Company, Khanh Hoa Province	<i>Consulting technology of machine manufacture with high effectiveness and reasonable price</i>
15	Trương Hữu Lan	Head/Branch of DARD, Khanh Hoa Province	<i>Conducting a small PH project in Khanh Hoa Province</i>
16	Lê Thị Diệp Thảo	Specialist/Dept. of Science & Technology, Khanh Hoa Province	<i>Introducing information of PH project to "Bringing information to rural area" project of Khanh Hoa Province</i>
17	Đỗ Thị Yến	Vice Head/Center of Agricultural and Piscicultural Extensions, Khanh Hoa Province	<i>Taking part in technology transferring, introducing, consulting PH equipments to farmers. Introducing PH project on Journal of Agricultural Extension of Khanh Hoa Province</i>
18	Lương Công Văn	Head/ Ninh Hoa Cooperative Alliance, Khanh Hoa Province	<i>In company with other members of cooperative helping farmers the technologies ofcultivation practice and rice storage and buying combined harvesters, rice dryers to reduce PH losses</i>
19	Nguyễn Trường Sanh	Head/Dien Lac Cooperative, Khanh Hoa Province	<i>Attending PH training and disseminating this knowledge to other farmers</i>
20	Phan Ngọc Ân	Head/Van Gia Town Cooperative, Van Ninh district, Khanh Hoa Province	<i>Being propagandist to disseminate knowledge of PH to farmers locally</i>
21	Kiều Tấn Đạt	Specialist/Dept. of Agriculture and Rural Development, Ninh Thuan Province	
22	Lê Tiến Dũng	Vice Head of Technical Division/Center of Agricultural and Piscicultural Extensions, Ninh Thuan Province	

23	Nguyễn Như Thức	Vice Director/Dept. of Agriculture and Rural Development, Phu Yen Province	<i>Implementing the postharvest project in Phu Yen province</i>
24	Lê Công Thọ	Specialist/Dept. of Agriculture and Rural Development, Phu Yen Province	<i>Taking part in program of PH losses reduction actively</i>
25	Lê Viết Cường	Specialist/Dept. of Agriculture and Rural Development, Phu Yen Province	
26	Nguyễn Văn Lành	Head/Hoa Quang Nam Trading Cooperative, Phu Hoa District, Phu Yen Province	<i>Volunteering to guide cooperative acting as a pilot site for scaling out the PH project</i>
27	Nguyễn Văn Quân	Head of Agricultural Division/Dept. of Agriculture and Rural Development, Tay Ninh Province	<i>Disseminating the postharvest project</i>
28	Võ Hiệp Hưng	Head/Center of Agricultural Extension, Tay Ninh Province	<i>Introducing advanced PH technology into 'Working plan 2010 and following years' of Centre of Agricultural Extension Tay Ninh Province</i>
29	Võ Công Hậu	Vice Director/Dept. of Agriculture and Rural Development, Vung Tau Province	<i>Implementing this PH project locally</i>
30	Phạm Thị Chín	Vice Head/Center of Agricultural Extension, Vung Tau Province	<i>Supporting actively advanced PH technology of Vung Tau Province</i>
31	Tô Hữu Lộc	Head of Technical Division/Center of Agricultural Extension, Vung Tau Province	<i>Providing information on needs of farmers related to applying of postharvest mechanisation. Supporting the establishment of LA to work effectively</i>

## NEXT STEPS for the project component Vietnam Nha Trang region

WHO	WHAT	WHEN
Binh Phuoc AEC	Increase demonstrations of combined harvesters	07-10.2010
Binh Thuan AEC	Deliver 2 combined harvesters for farmers	10-12.2009
Binh Thuan AEC	Plan the mechanisation model by 2010	10.2009
Hoa Thanh Cooperative	Build up drying plant with capacity of 20 tons/batch	09.2009
Binh Thuan -Ninh Thuan Cooperative	Jointly host the workshop of setting up mechanisation between two provinces (Binh Thuan & Ninh Thuan)	2010
Dong Nai EC	Suggest Binh Thuan DARD organising PH pilots	10.2009
NLU HCMC	Deliver problems of PH inappropriate management, disseminate advances of mechanised cultivation	8.2009
CEAM-NLU HCMC	Set up PH website	10.2009
CEAM-NLU HCMC	Support technology of field levelling by laser control	08.2009-10.2010
BTI, NLU-HCMC	Take part in provincial PH Workshops	08.2009
NLU HCMC	Create links of PH development and equipment transferring	2010
Khanh Hoa DTS	Support PH automatic machines with low prices	08.2009
Khanh Hoa AEC	Develop project, disseminate PH information to countryside	2009-2010
Khanh Hoa ARD	Support 3 dryers for farmers and organise training workshops	07-08.2009
Khanh Hoa ARD	Allocate PH staff	8.2009
Khanh Hoa ARD	Cooperative with local authorities to investigate PH status	08-10.2009
Ninh Thuan AEC	Set up plan of Agricultural Mechanisation by cooperation with other agencies	10-12.2009
Phu Yen DARD	Conduct study tour in China for farmers	08.2009
Phu Yen DARD	Review current status of PH losses to figure out intervention opportunities	12.2009
Phu Yen DARD	Conduct workshop of PH losses prevention	9.2009
Tay Ninh AEC	Assign Provincial Agricultural Extension Centre implementing Agricultural Extension and PH Tech	2010
Vung Tau DARD	Disseminate advances of PH Tech in Agriculture Column broadcasted in Tay Ninh Television	2010
Vung Tau DARD	Enhance agricultural extension activities and PH management	8.2009
Vung Tau AEC	Set up plan of PH mechanisation	08-12.2009
Vung Tau AEC	Approach, set up, transfer mechanisation model to prevent PH losses	10.2009
Van Gia Cooperative	Demonstrate field levelling by laser control	9.2009
Hoa Vang Nam Cooperative	Introduce plan of buying dryers to agenda of Cooperative Member Annual Meeting	12.2009
Dien Lac Cooperative	Take part in all aspects of PH Project	08-12.2009
Dien Lac Cooperative	Transfer advanced technology to farmers, particularly PH equipments	08.2009
Dien Lac Cooperative	Visit Agricultural Extension Club and organise on-site workshops	