Innovations Systems	Date	Localisation: Province	Localisation: District	Localisation: Village	Detail innovation implemented: 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1. Apply green munaul for reducing chemical fertilizer input to grow cabrige	30/12/2016-30/12/2019	Xekong Champasack	Thateng Pakxong	Lak Khao Thong Set		yes		yes									yes			
2. Verify the standard of chemical ferlizer quality and input for corn and tomatoes.	2017-2018	Vientian capital	Naxaythong	Sendin		yes		yes					yes				yes	yes		
3. Apply wood vinigar to control the pest and desease of crop or plan	2017-2018	Vientian capital	Xaythany	ALADC (DALaM)					yes								yes			
4. Produce Phosphorus(P) from the bone of animal for applying in compost fertilizer	2017-2018	Vientian capital	Xaythany	ALADC (DALaM)		yes		yes					yes				yes	yes		
5. Green manure production from agriculture waste	2015-2018	Vientian capital	Xaythany	ALADC (DALaM)		yes		yes					yes				yes	yes		
6. Effective Microorganisms (EM) Liquid Production from the fish waste	2017-2018	Vientian capital	Xaythany	ALADC (DALaM)		yes		yes					yes				yes	yes		
7. Use egg shell and waste to produce Potassium fertilizer and apply to paddy rice	2017-2018	Vientian capital	Xaythany	ALADC (DALaM)		yes		yes					yes				yes	yes		
8. Soil, water and fertlizer management model for Sustainable crop production	2017-2018	Khammuan Savanhnaket Salavanh	NongBok, Xebangfhai Kaisone, Songkhone, Champhone Lakhonpheng			yes							yes	yes			yes			
9. Land Use Information System (LUIS)	2018-present	Vientian capital	Xaythany	Land Manaement Division, DALaM										yes						
10. Apply RTK for Agriculture Land survey and management	2018-present	Vientian capital	Xaythany	Land Manaement Division, DALaM		yes							yes	yes						
11. Village soil specialist volunteer formatiton and network	2015-2020	Huaphan Luangphabang Luangnamtha Xaygnaboury Vientian Vientian capital Bolikhamxai Khammuan Savanhnakhet Salavanh Champasack Bokeo Oudomxai Atapue	Son, Huoa muang Luangphabang, Phonxai, Nambak Long, Nalee, Namtha, Sing Xaiyaboury, Thongmexai, Boten, Xienghon, Phieng Mun, Nguen, Phonhong, Thulakhom Naxaithong, Hatxaifhong Pakxan, Pa, Bolikan, Viengthong Thakae, NongBok, Nhommalath, Mahaxai, Buaolapha, Xaiphuthong, Xebangfhai Kaisone, Champhone, Xongkhon, Xaiphouthong, Phalanxai, Xonboury, Xepond Salavanh, Lao Gnam, TaOu, Lamam Mounlapamok, Pakxe, Pakxong Phaoudom, Mueng, Huayxai Xai, Beng, Hun Sanamxai, Xaixetha, Samakhyxai										yes	yes			yes			

Innovations Systems	Type of innovation: Technical	Organizational	Institutional	Step of value chain: Funding/Supplying	Production	Processing	Marketing	Scale of implementation: Begining	Currently	Future
1. Apply green munaul for reducing chemical fertilizer input to grow cabrige	yes				yes			1	1	1
2. Verify the standard of chemical ferlizer quality and input for corn and tomatoes.	yes		yes		yes			2	2	4
3. Apply wood vinigar to control the pest and desease of crop or plan	yes				yes			3	3	1
4. Produce Phosphorus(P) from the bone of animal for applying in compost fertilizer	yes		yes		yes			2	2	4
5. Green manure production from agriculture waste	yes				yes				2	1
6. Effective Microorganisms (EM) Liquid Production from the fish waste	yes				yes				2	1
7. Use egg shell and waste to produce Potassium fertilizer and apply to paddy rice	yes				yes				2	1
8. Soil, water and fertlizer management model for Sustainable crop production	yes				yes			1	1	1
9. Land Use Information System (LUIS)	yes		yrs			yes		4	4	3
10. Apply RTK for Agriculture Land survey and management	yes		yes					4	4	3
11. Village soil specialist volunteer formatiton and network	yes	yes			yes			1	1	1

Innovations Systems	Stakesholders involved – Begining: Farmers	Traders	Governement	Researchers	Others	Currently: Farmers	Traders	Governement	Researchers	Others	Future: Farmers	Traders	Governement	Researchers	Others
1. Apply green munaul for reducing chemical fertilizer input to grow cabrige	yes		yes	yes		yes		yes	yes		yes	yes		yes	
2. Verify the standard of chemical ferlizer quality and input for corn and tomatoes.	yes	yes		yes		yes	yes		yes		yes	yes			
3. Apply wood vinigar to control the pest and desease of crop or plan				yes					yes		yes	yes		yes	
4. Produce Phosphorus(P) from the bone of animal for applying in compost fertilizer			yes	yes				yes	yes		yes	yes		yes	
5. Green manure production from agriculture waste			yes	yes				yes	yes		yes	yes		yes	
6. Effective Microorganisms (EM) Liquid Production from the fish waste			yes	yes				yes	yes		yes	yes		yes	
7. Use egg shell and waste to produce Potassium fertilizer and apply to paddy rice			yes	yes				yes	yes		yes	yes		yes	
8. Soil, water and fertlizer management model for Sustainable crop production	yes		yes	yes		yes			yes		yes	yes			yes
9. Land Use Information System (LUIS)			yes	yes				yes	yes				yes		
10. Apply RTK for Agriculture Land survey and management			yes	yes				yes	yes				yes	yes	
11. Village soil specialist volunteer formatiton and network	yes		yes	yes		yes			yes		yes		yes		yes

Innovations Systems	Projects involved: Name	Date (start/end)	1	2	3	4	5	6	7
1. Apply green munaul for reducing chemical fertilizer input to grow cabrige	ASEAN Network for Sustainable Organic Farming Technology (AFACI-	30 /12/2016 to 30/12/2019				yes	yes	yes	yes
2. Verify the standard of chemical ferlizer quality and input for corn and tomatoes.	Sino Ago Potass Ltd,..	2017-2018		yes					yes
3. Apply wood vinigar to control the pest and desease of crop or plan	Apply wood venigar to control the pest and desease of crop or plant (Research activities of ALADC of DALaM)	Annually and will be ended 2020		yes		yes	yes		yes
4. Produce Phosphorus(P) from the bone of animal for applying in compost fertilizer	Government Investment (PCAP) Produce Phosphorus(P) from the bone of animal for appling in compost fertilizer	Annually and will be ended 2020		yes		yes	yes		yes
5. Green manure production from agriculture waste	Government Investment (PCAP)	Annually and will be ended		yes		yes	yes		yes
6. Effective Microorganisms (EM) Liquid Production from the fish waste	Apply wood venigar to control the pest and desease of crop or plant (Research activities of ALADC of DALaM)	Annually and will be ended 2020		yes		yes	yes		yes
7. Use egg shell and waste to produce Potassium fertilizer and apply to paddy rice	Apply wood venigar to control the pest and desease of crop or plant (Research activities of ALADC of DALaM)	Annually and will be ended 2020		yes		yes	yes		yes
8. Soil, water and fertlizer management model for Sustainable crop production	GWM, ADB	2016-2018	yes	yes		yes	yes		yes
9. Land Use Information System (LUIS)	GIZ "Land Management Decentralized Planning" (LMDP) (GIZ)	2018-present				yes		yes	yes
10. Apply RTK for Agriculture Land survey and management	ABD,	2018-present				yes	yes		yes
11. Village soil specialist volunteer formatiton and network	Government Investment (PCAP) Village soil specialist volunteer formatiton and network	2015-2020	yes	yes		yes	yes		

Innovations Systems	Organisations involved: Name	Dates (start/end)	1	2	3	4	5	6	7
1. Apply green munaul for reducing chemical fertilizer input to grow cabrige	ALADC of DALaM,	30 /12/2016 to 30/12/2019				yes	yes	yes	yes
	PAFO					yes	yes	yes	yes
	DAFO					yes	yes	yes	yes
2. Verify the standard of chemical ferlizer quality and input for corn and tomatoes.	ALADC of DALaM	2017-2018		yes					yes
3. Apply wood vinigar to control the pest and desease of crop or plan									
4. Produce Phosphorus(P) from the bone of animal for applying in compost fertilizer	ALADC of DALaM	2017-2018		yes		yes	yes		yes
5. Green manure production from agriculture waste	ALADC of DALaM	2015-2018		yes		yes	yes		yes
6. Effective Microorganisms (EM) Liquid Production from the fish waste	ALADC of DALaM	2017-2018		yes		yes	yes		yes
7. Use egg shell and waste to produce Potassium fertilizer and apply to paddy rice	ALADC of DALaM	2017-2018		yes		yes	yes		yes
8. Soil, water and fertlizer management model for Sustainable crop production	ALADC of DALaM	2016-2018	yes	yes		yes	yes		yes
	PAFO		yes	yes		yes	yes		yes
	DAFO		yes	yes		yes	yes		yes
9. Land Use Information System (LUIS)	ALM of DALaM	2018-present				yes	yes		yes
10. Apply RTK for Agriculture Land survey and management	ALM of DALaM	2018-present				yes	yes		yes
11. Village soil specialist volunteer formatiton and network	ALADC of DALaM,	2015-2020	yes	yes		yes	yes		
	PAFO	2015-2020	yes	yes		yes	yes		
	DAFO	2015-2020	yes	yes		yes	yes		

Note: Detail innovation implemented number code

Pick in the list below.

1) Credit access
2) Collective management of the production
3) Irrigation
4) Inputs
5) Pest control
6) Forestry
7) Farming practices
8) Breeding
9) Agricultural Advice
10) Information system
11) Post cropping operations
12) Processing
13) Quality promotion
14) Agricultural entrepreneurship
15) Territorial governance
16) Others

Note: the Number code are Scale of implementation

1 Village
2 District
3 Province
4 Country

Note: the Number code are Functions provided

1 Awareness and exchange of knowladge
2 Advisory, consoltancy and backstopping
3 Demand acticulation
4 Network, facilitation, and brokerage
5 Capacity building
6 Access to resources
7 Institutional support