



Appendix A
Community Data List

Table A1 Community Data List from Literature Review

Data List	Source		
	Related Research Document	TCNAP	Smart IS Village
1 Community History			
1.1 Community/Village Age	✓		✓
1.2 Community/Village Naming History	✓		✓
1.3 A Group in Community/Village	✓		✓
1.3.1 Name	✓		✓
1.4 Founding History of Community	✓		✓
1.5 Law of Community	✓		
1.5.1 Law Name	✓		
1.5.2 Penalty Rule	✓		
1.6 Persistent Object Creation	✓		
1.6.1 Persistent Object Name	✓		
1.6.2 Creation History	✓		
1.6.3 Creation Budget	✓		
1.6.4 Source of Creation Budget	✓		
1.6.5 Labor Source	✓		
1.6.6 Founder	✓		
2 General Community Information			
2.1 Location	✓	✓	✓
2.1.1 Currently Community Name	✓	✓	✓
2.1.2 Subdistrict	✓	✓	✓
2.1.3 District	✓	✓	✓
2.1.4 Province	✓	✓	✓
2.1.5 Postal Code	✓	✓	✓
2.1.6 Geo-Location	✓		
2.1.6 Community Map	✓		✓
2.2 Territory	✓	✓	✓

Table A1 Community Data List from Literature Review (continued)

Data List		Source		
		Related Research Document	TCNAP	Smart IS Village
2.3	Topography	✓		✓
2.4	Climate	✓		
2.5	Characteristic of Soil	✓		
2.6	Community Area	✓		✓
2.7	Number of Household	✓		✓
2.8	Number of Citizen	✓		
2.9	Fertirity		✓	
2.10	Mortality		✓	
2.11	Labor Immigration		✓	
3 Infrastructure and Service				
3.1	Road	✓		Overall Data
3.1.1	Motorway	✓		
3.1.2	Route Nationale	✓		
3.1.3	Rural Road	✓		
3.1.4	Local Road	✓		
3.1.5	Concession Road	✓		
3.1.6	Private Road	✓		
3.1.7	Other Type of Road	✓		
3.2	Convinence Route	✓		
3.3	Public Park	✓	✓	
3.4	Telephone System	✓		
3.4.1	Land Line	✓		✓
3.4.2	Public Land Line	✓		✓
3.4.3	Cell Phone	✓		✓
3.4.4	Faximile	✓		
3.4.5	Radio Amature	✓		
3.4.6	Internet Accessibility	✓		
3.5	House with Electricity	✓		✓
3.6	House with Tap Water	✓		✓
3.7	Public Service	✓		
3.8	Public Lighting			✓

Table A1 Community Data List from Literature Review (continued)

Data List		Source		
		Related Research Document	TCNAP	Smart IS Village
4 Social				
4.1	Local Wisdom Elite Philosopher	✓	✓	Overall Data
4.1.1	Agriculture	✓	✓	
4.1.2	Industrial and Craft	✓	✓	
4.1.3	Traditional Thai Medicine	✓	✓	
4.1.4	Natural Resource Management	✓	✓	
4.1.5	Local Funds and Business	✓	✓	
4.1.6	Welfare	✓	✓	
4.1.7	Arts	✓	✓	
4.1.8	Management	✓	✓	
4.1.9	Language and Literature	✓	✓	
4.1.10	Religious and Tradition	✓	✓	
4.1.11	Interdisciplines	✓	✓	
4.2	Learning Source	✓		
4.2.1	School	✓		
4.2.2	Reading Newspaper	✓		✓
4.2.3	Library	✓		
4.2.4	Learning Center	✓		✓
4.2.5	Advertising Booard			✓
4.3	Standardize Child Care Center	✓		
4.4	Religious Place	✓	✓	✓
4.5	Ancient Monument and Antique	✓	✓	
4.6	Civil Society	✓		✓
4.7	Ethnic	✓		
4.8	Frequency of Lacency	✓		
4.9	Number of Drug-Anti Empowerment Community	✓		
4.10	Frequency of Quarrel	✓		
4.11	Community Development Project	✓		
4.12	Internet Service Provider	✓		
4.13	Complied Organization-Policies Service Facilities	✓		

Table A1 Community Data List from Literature Review (continued)

Data List	Source		
	Related Research Document	TCNAP	Smart IS Village
4.14 Number of Safety Agency			✓
5 Economic and Agriculture			
5.1 Average Income of Citizen	✓		✓
5.2 Agriculturist with GAP Standard	✓		
5.3 Business in Community	✓		
5.4 Community Enterprise	✓	✓	
5.5 Developed Community Enterprise	✓		
5.6 Occupation	✓	✓	✓
5.7 Number of Household with Low Income	✓		
5.8 Saving and Obligation	✓		
5.9 Community Bank	✓		
5.10 Agriculture Area	✓		
5.11 Rice Farming Area	✓		
5.12 Rice Production Type	✓		
5.13 Income from Rice Farming	✓		
5.14 Area of Crops Farming	✓		
5.15 Type of Crops Farming	✓		
5.16 Crops Farming Income	✓		
5.17 Crops Plant Area	✓		
5.18 Type of Crops Plant	✓		
5.19 Crop Plant Income	✓		
5.20 Number of Household with Livestock	✓		
5.21 OTOP Product	✓		✓
5.22 Important Community Product	✓		✓
5.23 Funding Support in Community		✓	✓
5.24 Happiness Level Indicator			✓
6 Politic			
6.1 Number of Elector	✓	✓	
6.2 Number of Voter	✓		
6.3 Local Administrative Organization	✓		

Table A1 Community Data List from Literature Review (continued)

Data List		Source		
		Related Research Document	TCNAP	Smart IS Village
6.4	Political Activity	✓		
6.5	Community Committee		✓	✓
6.6	Citizen Participation Level		✓	
6.7	Best Practice of Community Administration		✓	
6.8	Resource Management Right		✓	
7 Education				
7.1	Institutaion	✓	✓	
7.1.1	Name	✓	✓	
7.1.2	Type of Institutaion	✓	✓	
7.1.3	Agency	✓	✓	
7.1.4	Number of Student	✓	✓	
7.1.5	Number of Teacher			
7.1.6	Contact Information			
7.2	Number of Standard Scholl	✓		
7.3	Number of Citizen with compulsory education	✓		
8 Public Health				
8.1	Community Health Service	✓	✓	
8.1.1	Health Service Provider Name	✓	✓	
8.1.2	Type of Health Service Provider	✓	✓	
8.1.3	Contact Information	✓	✓	
8.1.4	Information of Health Service Provider			
8.2	Number of Standard Health Service	✓		
8.3	Number of Standard Grocery	✓		
8.4	Number of Market Stall in Community	✓		
8.5	Public Health Service Promotion Area	✓	✓	
8.6	Communicable Disease in Community	✓	✓	

Table A1 Community Data List from Literature Review (continued)

Data List		Source		
		Related Research Document	TCNAP	Smart IS Village
8.7	Non-Communicable Disease in Community	✓	✓	
8.8	Information about Defective in Community	✓	✓	
8.9	Health Promotion Project	✓		
8.10	Environmental Problem	✓	✓	
8.11	Top 5 of Healthy Problem in Community		✓	
8.12	Environment Management		✓	
	8.12.1 Successfully Level of Environment Management		✓	
9 Culture and Tourism				
9.1	Important Tourist Attraction	✓	✓	
9.2	Tourist Service Agency Center	✓		
9.3	Important Community Traditional	✓		
9.4	Tourism Income	✓		
10 Water Resource				
10.1	Water Source for Consuming	✓		Overall Data
	10.1.1 Type of Water Source	✓		
	10.1.2 Number of Water Source	✓		
	10.1.3 Water Source Capability	✓		
10.2	Water Source for Non-Consuming	✓		
	10.2.1 Type of Water Source	✓		
	10.2.2 Number of Water Source	✓		
	10.2.3 Water Source Capability	✓		
10.3	Water Source for Agriculture	✓		
10.4	Number of Surface Water	✓		
10.5	Number of Ground Water	✓		
11 Natural and Environment				
11.1	Forest Area Size	✓		
11.2	Mineral Resource	✓		

Table A1 Community Data List from Literature Review (continued)

Data List	Source		
	Related Research Document	TCNAP	Smart IS Village
11.2.1 Mineral Name	✓		
11.2.2 Mineral Production Status			
11.2.3 Mineral GIS Location			
11.3 The Usage of Renewable in Community	✓		
11.3.1 Type of Renewable in Community	✓		
11.4 Water Quality Problem	✓		
11.5 Soil Quality Problem	✓		
11.6 Air Quality Problem	✓		
11.7 Garbage Problem	✓		
12 Public Hazard			
12.1 Natural Hazard Area	✓		
12.1.1 Type of Hazard	✓		
12.1.2 Number of Impacted Household	✓		
12.1.3 Level of Violence	✓		
12.1.4 Hazard History	✓		
12.2 Human-Based Hazard	✓		
12.2.1 Type of Hazard	✓		
12.2.2 Number of Impacted Household	✓		
12.2.3 Level of Violence	✓		
12.2.4 Hazard History	✓		
13 Community Empowerment			
13.1 Safety Public Meeting	✓		
13.2 Type 5 of Problem Solving Requirement in Community	✓		✓
13.3 Community SWOT Analysis	✓		✓
13.4 Solved-Problem of Community	✓		✓
13.5 Type 5 of Problem Solving Requirement in Community	✓		
14 Community Communication			
14.1 Data Provider		✓	

Table A1 Community Data List from Literature Review (continued)

Data List		Source		
		Related Research Document	TCNAP	Smart IS Village
14.2	Data Type		✓	
14.3	Community Communication Channel	✓	✓	
14.4	Community Information Usage		✓	
15 Other				
15.1	Smart IS Village Procedure		✓	✓
15.2	Quality of Life Analysis Procedure		✓	✓
15.3	Self-reliant Village Guideline		✓	✓
15.4	Community Plan		✓	✓
15.5	Community Image Gallery		✓	✓
15.6	Social Network Contact Channel		✓	✓
15.7	Community Presentation		✓	✓
15.8	Community Knowledge e-Document		✓	✓
15.9	Community Activity Information		✓	✓
15.10	Community Admiration		✓	✓
15.11	Community Identity		✓	✓
15.12	Community Development Support Organization		✓	✓
15.13	Community Herb		✓	✓

Appendix B

CDWG's data usage requirement questionnaire

Topic: Community data usage requirement of community data working group

1. This questionnaire is a data collection tool for a research, please answer all of the question from your own opinion. The information collected will not affect to the respondents and will be kept secret.

2. This questionnaire consists of 2 parts, including:

Part 1 General information of the respondent

Part 2 Community data usage requirement

Part 1 General information of the respondent

Instruction: Please mark ✓ in the ○ and □, fill the text into dotted lines

1.1 Gender (choose only 1)

☐ Male

☐ Female

1.2 Age (choose only 1)

☐ 15 – 19 years

☐ 20 – 29 years

☐ 30 – 39 years

☐ 40 – 49 years

☐ 50 – 59 years

☐ 60 years and above

1.3 Highest education (choose only 1)

☐ Uneducated

☐ Primary School

☐ Secondary School

☐ High School

☐ Vocational Cert.

☐ Diploma

☐ Bachelor degree

☐ Graduate studies

☐ Other(Please Specify).....

1.4 Occupation (Choose Only 1)

- ☐ Employee / Private Employee ☐ Trading / Private Business
☐ Contractor ☐ Agriculturalist
☐ Student ☐ Housewife/Househusband
☐ Unemployed ☐ Public Servant
☐ Employees / Employees Of State / State Enterprises
☐ Other (Please Specify).....

Part 2 Community data usage requirement

Instruction: Please mark ✓ in the box where matches your opinion the most.

Data List	Level of Requirement				
	Very High	High	Medium	Low	Lowest/Not needed
1 Community history: including backgrounds, local groups, historic events, construction of important buildings					
2 General information of the community: including geographical location, community map, borders, geography, climate, population statistics, labor migration statistics.					
3 Infrastructure and Service: including street/route information, electricity availability, water supplies, public lights, parks, communication system.					

Data List	Level of Requirement				
	Very High	High	Medium	Low	Lowest/Not needed
4 Society: including local wisdom, local group gatherings, races, criminal records, general happiness level, past community development programs.					
5 Economy: including average income, local businesses, enterprises, top 5 occupations in the community, average debt, OTOP products, local funds.					
6 Agriculture: including numbers of agriculturalists in the community, total agricultural areas, rice fields, annual produce and income from rice fields, crop fields, annual produce and income from crop fields, livestock feeders and annual income, number of households without lands.					
7 Community politics: including number of eligible voters in the village/community, voting statistics, name list of local administrative members from the past to present, list of village committees, community engagement level, political events in the community.					

Data List	Level of Requirement				
	Very High	High	Medium	Low	Lowest/Not needed
8 Education: including local educational institutions, number of schools that pass health encouragement standards, number of people undergoing compulsory education, higher education continuation rate, other education sources such as public library, community learning center.					
9 Public health: including local healthcare centers, people with house registration in villages that do not reach health coverage, number of Social Security Card / Gold Card, number of seniors receiving subsistence allowance, number of disabled persons who have been registered for service, results of environmental health standard assessment, contagious diseases found in the village / community, the five most common health problems and diseases in the past, the successes of environmental management.					
10 Culture and tourism: including information on archaeological sites in villages / communities, major tourist attraction, Tourist Service Centers, important traditions in the village / community and the time of tradition, average annual income from tourism.					

Data List	Level of Requirement				
	Very High	High	Medium	Low	Lowest/Not needed
11 Water resources: including information on water resources for consumption, water source for agriculture, number of surface / groundwater sources, number of water supply systems in the community.					
12 Natural resources and environment: including information about forests, mineral resources, alternative energy use in the village, water / soil / air quality / waste disposal problems, medicinal plants and community forests					
13 Public hazard: including information about natural hazard areas, and human risk areas					
14 Community empowerment: including crime and accident statistics, list of the top five issues that the community needs to solve each year, SWOT analysis, and barriers of the community.					
15 Community communication: including information about community contributors, community-based communication channels, the use of data to benefit recipients of information, information on public relations resources, online communication channels in the community.					

Data List	Level of Requirement				
	Very High	High	Medium	Low	Lowest/Not needed
16 Other data: including community plans, community activities photos, community knowledge, publications, news, activities, community identity, honors or rewards retrieved by members of the village, village / community development supporting organizations, village development protocols for quality of life development.					

In addition to above, what data related to your village or community would like to know or need to follow.

Appendix C

Community citizen's data usage requirement questionnaire

Topic: Community data usage requirement of community citizen

1. This questionnaire is a data collection tool for a research, please answer all of the question from your own opinion. The information collected will not affect to the respondents and will be kept secret.

2. This questionnaire consists of 2 parts, including:

Part 1 General information of the respondent

Part 2 Community data usage requirement

Part 1 General information of the respondent

Instruction: Please mark ✓ in the ☐ and ☐, fill the text into dotted lines

1.1 Gender (choose only 1)

☐ Male

☐ Female

1.2 Age (choose only 1)

☐ 15 – 19 years

☐ 20 – 29 years

☐ 30 – 39 years

☐ 40 – 49 years

☐ 50 – 59 years

☐ 60 years and above

1.3 Highest education (choose only 1)

☐ Uneducated

☐ Primary School

☐ Secondary School

☐ High School

☐ Vocational Cert.

☐ Diploma

☐ Bachelor degree

☐ Graduate studies

☐ Other(Please Specify).....

1.4 Occupation (Choose Only 1)

- ☐ Employee / Private Employee ☐ Trading / Private Business
☐ Contractor ☐ Agriculturalist
☐ Student ☐ Housewife/Househusband
☐ Unemployed ☐ Public Servant
☐ Employees / Employees Of State / State Enterprises
☐ Other (Please Specify).....

1.5 Are you affected by cadmium contamination issue?

- ☐ Affected by (please select the following, could be more than 1)
☐ Having cadmium contamination in the body.
☐ Living in the area contaminated with cadmium.
☐ Land users in area contaminated with cadmium
☐ No information of affection
☐ Other, please specify
☐ Not affected ☐ Not sure ☐ Lack of information

Part 2 Community awareness and community digital center access experience.

Instruction: Please mark ✓ in the ☐ and ☐, fill the text into dotted lines

2.1 In what channel do you retrieve the information regarding your own community
(could be more than 1)

- ☐ Radio station ☐ Villagers meeting
☐ Local newspaper ☐ Advertising car
☐ Local cable TV ☐ Websites of local organizations
☐ Social media, Facebook, Line ☐ Personal communication

- ☐ News tower
- ☐ Other local printed media such as flyers, posters, brochures
- ☐ Other, please specify.....

2.2 Have you ever access to the ICT learning center in your subdistrict?

☐ Yes (Please select the service used, could be more than 1)

- ☐ Use a computer for printing jobs.
- ☐ Internet surfing
- ☐ Training
- ☐ Other, please specify.....

☐ No (Please select the following reasons, could be more than 1)

- ☐ Do not know that there is the digital community center in the community (If chosen, skip to next question)
- ☐ Know that there is the digital community center in the community but do not know what type of service to use
- ☐ Know that there is the digital community center in the community but do not know who are allowed to use the services
- ☐ Know that there is the center in the community but do not know about the operating time of the center
- ☐ Know that there is the center in the community but do not have time to use the services
- ☐ Other, please specify.....

2.3 Do you agree on the establishment of the community data center (select only 1)

- ☐ Agree ☐ Not sure ☐ Do not agree

Part 3 Community data usage requirement

Instruction: Please mark ✓ in the box where matches your opinion the most.

Data List	Level of Requirement				
	Very High	High	Medium	Low	Lowest/Not needed
1 Community history: including backgrounds, local groups, historic events, construction of important buildings					
2 General information of the community: including geographical location, community map, borders, geography, climate, population statistics, labor migration statistics.					
3 Infrastructure and Service: including street/route information, electricity availability, water supplies, public lights, parks, communication system.					
4 Society: including local wisdom, local group gatherings, races, criminal records, general happiness level, past community development programs.					
5 Economy: including average income, local businesses, enterprises, top 5 occupations in the community, average debt, OTOP products, local funds.					
6 Agriculture: including numbers of agriculturalists in the community, total agricultural areas, rice fields, annual produce and income from rice fields, crop fields, annual produce and income from crop fields, livestock feeders and annual income, number of households without lands.					

Data List	Level of Requirement				
	Very High	High	Medium	Low	Lowest/Not needed
7 Community politics: including number of eligible voters in the village/community, voting statistics, name list of local administrative members from the past to present, list of village committees, community engagement level, political events in the community.					
8 Rights of communities in environmental protection: including roles, responsibilities, and rights of the community to the resources.					
9 Education: including local educational institutions, number of schools that pass health encouragement standards, number of people undergoing compulsory education, higher education continuation rate, Other education sources such as public library, community learning center.					
10 Public health: including local healthcare centers, people with house registration in villages that do not reach health coverage, number of Social Security Card / Gold Card, number of seniors receiving subsistence allowance, number of disabled persons who have been registered for service, results of environmental health standard assessment, contagious diseases found in the village / community, the five most common health problems and diseases in the past, the successes of environmental management.					

Data List	Level of Requirement				
	Very High	High	Medium	Low	Lowest/Not needed
11 Culture and tourism: including information on archaeological sites in villages / communities, major tourist attraction, Tourist Service Centers, important traditions in the village / community and the time of tradition, average annual income from tourism.					
12 Water resources: including information on water resources for consumption, water source for agriculture, number of surface / groundwater sources, number of water supply systems in the community.					
13 Natural resources and environment: including information about forests, mineral resources, alternative energy use in the village, water / soil / air quality / waste disposal problems, medicinal plants and community forests					
14 Public hazard: including information about natural hazard areas, and human risk areas					
15 Community empowerment: including crime and accident statistics, list of the top five issues that the community needs to solve each year, SWOT analysis, and barriers of the community.					

Data List	Level of Requirement				
	Very High	High	Medium	Low	Lowest/Not needed
16 Community communication: including information about community contributors, community-based communication channels, the use of data to benefit recipients of information, information on public relations resources, online communication channels in the community.					
17 Cadmium contamination: including the level of cadmium contamination in human and agricultural products, documents relating to legal proceedings, such as court papers, etc.					
18 Establishing environment protected area: including situation / progress reports / related documents, details of environmental protection program.					
19 Other data: including community plans, community activities photos, community knowledge, publications, news, activities, community identity, honors or rewards retrieved by members of the village, village / community development supporting organizations, village development protocols for quality of life development.					

In addition to above, what data related to your village or community would like to know or need to follow.

Appendix D

Focus group topic:

Data selection for community data management system development

Objective of the focus group

1. To select which data could be used in community data system development

Focus group members

1. Community Data Working Group: 18 people

Topics of focus group

1. How to select the surveyed data used for community data management system development?
2. Which parts of data could be used in community data management system development, according to the working group and data retrieved from users.

Appendix E

Focus group topic:

Gathering data and identify data supporter

Objective of the focus group

1. To identify data sources and gathering sources of required information.

Focus group members

1. Community Data Working Group: 18 people
2. Operator and administrator of Digital Community Centers of Mae Ku and Phra That Pha Daeng subdistricts: 4 people
3. Data Providers from the Social Welfare Department of Mae Ku municipality and Phra That Pha Daeng subdistrict administrative organization: 2 people

Topics of focus group

1. What community data required by the community does the working group has available in hand?
2. What community data required by the community does Mae Ku municipality and Phra That Pha Daeng subdistrict administrative organization has available in hand?
3. Which sources of data are usable?
4. What are the forms of those usable data?

Appendix F

Focus group topic:

Defining a feature of community data management system

Objective of the focus group

1. To define a feature of community data management system

Focus group members

1. Community Data Working Group: 18 people
2. Operator and administrator of Digital Community Centers of Mae Ku and Phra That Pha Daeng subdistricts: 4 people
3. Data Providers from the Social Welfare Department of Mae Ku municipality and Phra That Pha Daeng subdistrict administrative organization: 2 people
4. IT Infrastructure Provider from Tak border community, Kamphaeng Phet Rajabhat University, Mae Sot: 2 people

Topics of focus group

1. How to manage the selected data from selected source?
2. What functions should be included in the data management system?
(Users expectations)
3. How to access to the data management system? For example, On-line or Off-line.

Appendix G

Focus group topic:

Identifying an IT infrastructure supporter

Objective of the focus group

1. To analyze readiness of Digital Community Center of Mae Ku subdistrict and Phra That Pha Daeng subdistrict

Focus group members

1. Community Data Working Group: 18 people
2. Operator and administrator of Digital Community Centers of Mae Ku and Phra That Pha Daeng subdistricts: 4 people
3. Data Providers from the Social Welfare Department of Mae Ku municipality and Phra That Pha Daeng subdistrict administrative organization: 2 people
4. IT Infrastructure Provider from Tak border community, Kamphaeng Phet Rajabhat University, Mae Sot: 2 people

Topics of focus group

1. What are currently operating situation of Digital Community Centers?
2. What are included in the technological structure of the community digital center at present? How is its readiness in operation?
3. What could be in additional list to support community data providing?
4. Which are the organizations that could support the infrastructure provider? In which extent could the supports be provided?

Appendix H

Community data management system user satisfaction evaluation form

Instructions

1. This evaluation form is a tool to evaluate satisfactory of community data management system users. "
2. This evaluation form consists of 3 parts, including:
 - Part 1 General information of the respondent.
 - Part 2 Satisfaction to the community data management system
 - Part 3 recommendations

Part 1 General information of the respondent

Instruction Please mark ✓ in the box ☐ or fill the text into dotted lines.

The respondent

- ☐ Community Data Working Group of Mae Ku subdistrict
- ☐ Community Data Working Group of Phra That Pha Daeng subdistrict
- ☐ The head of the Digital Community Center
- ☐ Administrator of Digital Community Center

List	Importance and necessity				
	Very High	High	Medium	Low	Lowest
Content					
1. Each context is correct, complete, and clarified.					
1) Community history					
2) Culture and tourism					
3) Natural resources and environment					
4) General information					
5) Agriculture					
6) Public Health					
7) Information about rehabilitation, prevention and solutions of cadmium contamination in the area					
8) Information about progress and research reports conducting in the area					
9) Information and news about the establishment of environment protected area					
2. Suitable language and word choices.					
3. Correct grammar.					
4. Consistent between content and figure					
5. Data covering the demand of users					
Design:					
1. The style of the main website					
2. The style of the data system site					

List	Importance and necessity				
	Very High	High	Medium	Low	Lowest
3. Appropriate presentation					
4. Colorfulness					
5. Proper text styles					
Usage					
1. Spend of response					
2. Link to other data					
3. Easy search engine usage					
4. Easy to import data					
5. Support authentication					
Benefits from use:					
1. Information is consistent with problems in the community					
2. Information provides overall image of the area					
3. Communities has reliable data					
4. The system encourages community members to interest in digital technology					

Part 3 Recommendations



Appendix I

Focus group topic:

Defining community data management process

Objective of the focus group

1. To define community data management process of community data management system.

Focus group members

1. Community Data Working Group: 18 people
2. Operator and administrator of Digital Community Centers of Mae Ku and Phra That Pha Daeng subdistricts: 4 people
3. Data Providers from the Social Welfare Department of Mae Ku municipality and Phra That Pha Daeng subdistrict administrative organization: 2 people
4. IT Infrastructure Provider from Tak border community, Kamphaeng Phet Rajabhat University, Mae Sot: 2 people

Topics of focus group

1. How would the people put their data into the system?, what are the procedures?
2. How would the community data working committee put their information into the system?, what are the procedures?
3. Who would be responsible in checking and improving community data?
4. Who would be responsible in editing data received from the user?

5. What is the structure of community data working group?, How are the working group assigned?

6. What are procedures of community data management? What are they consisting of?



Appendix J

Focus group topic

Critical analysis of the model of community data system management process

Objective of the focus group

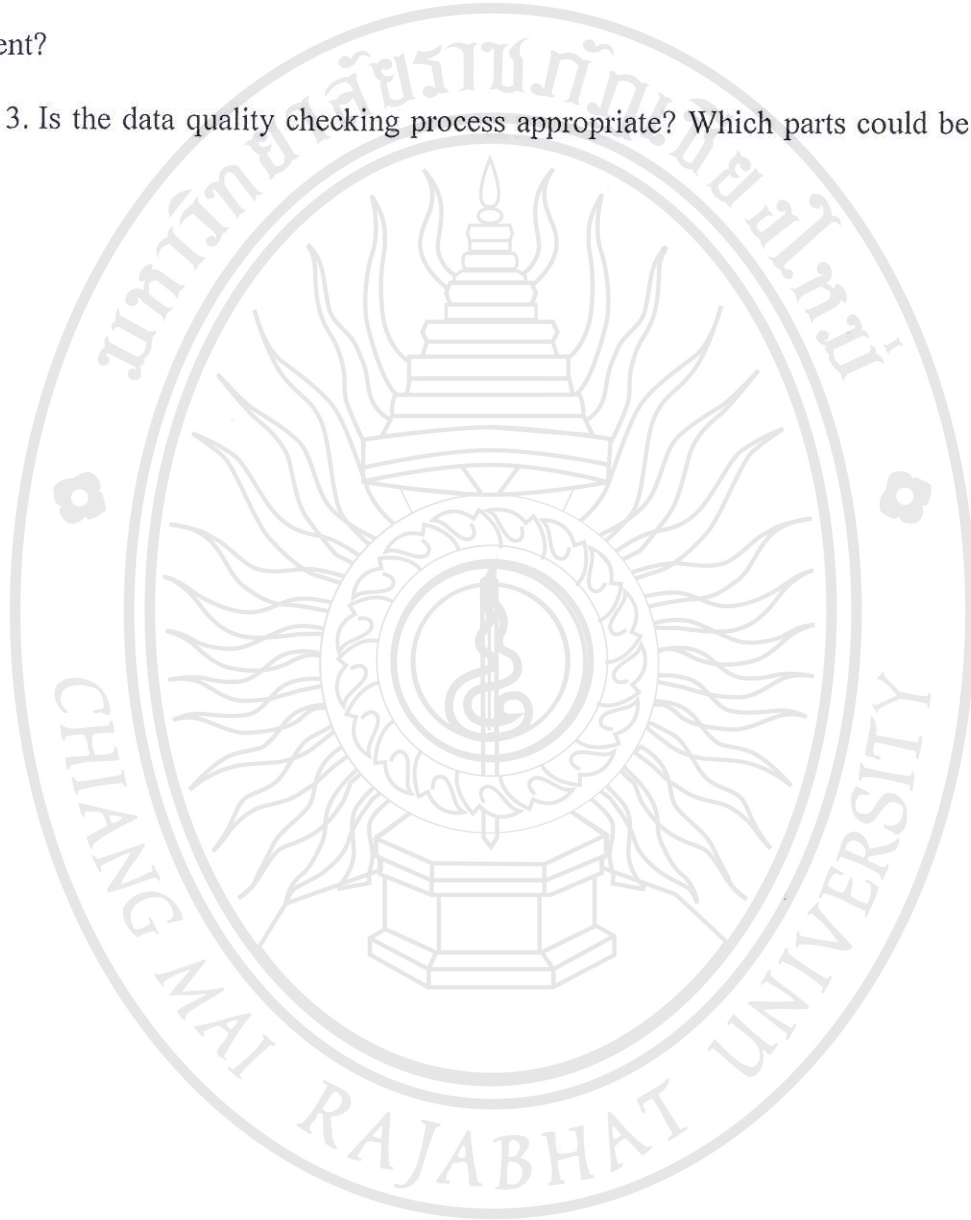
1. To review the model of community data system management process

Focus group members

1. Community Data Working Group: 18 people
2. Operator of Digital Community Centers of Mae Ku and Phra That Pha Daeng subdistricts: 4 people
3. Administrator of Digital Community Centers of Mae Ku and Phra That Pha Daeng subdistricts: 2 people
4. Data Providers from the Social Welfare Department of Mae Ku municipality and Phra That Pha Daeng subdistrict administrative organization: 2 people
5. IT Infrastructure Provider from Tak border community, Kamphaeng Phet Rajabhat University, Mae Sot: 1 person.
6. Expert in information technology: 1 person
7. Expert in social development: 1 person
8. Members of leader group network of digital community center in northern of Thailand: 2 people
9. Expert in community digital center: 1 person

Topics of focus group

1. Are the roles and responsibilities of the stakeholders appropriate? If not, what parts could be an improvement?
2. Are the procedures appropriate? If not, what parts could be an improvement?
3. Is the data quality checking process appropriate? Which parts could be improved?



CURRICULUM VITAE

Personal Profile Mr.Eakkarath Panyathep

Work Place Kamphaeng Phet Rajabhat University Mae Sot

Education 2000 Bachelor of Industrial Education (Electronics and Computer)

King Mongkut's Institute of Technology Ladkrabang

2006 Master of Science (Information Technology)

King Mongkut's Institute of Technology North Bangkok

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Business Computer Program

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Publications

Panyathep, E., Tantranont, N., Tetiwat. O., Tantisantisom. K., & Sintuya, H.

(2017). Requirement pattern of data usage of Mae Tao river basin community: The opportunity to drive Thai Telecentre to be the community data center. *Proceedings of National conference on research Pathumthani University 4th: The research for knowledge creation to Thailand 4.0*. Pathumthani: Pathumthani University.

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