Barangay San Roque, Mayorga, Leyte

HISTORICAL TIMELINE

Output #1a

In partnership with American Red Cross

Types of Disaster	TYPHOON (YOLANDA)	TYPHOON (RUFING)	EARTHQUAKE
Date of Major Occurrence	*November 08,2013*	*November 17, 1990*	*August 12, 2012*
Impact and Strength	*Signal #4*	*Strong Signal #3*	*Moderate*
Loss of Life/ Injured	- *10 people injured* - *1 person damaged*	- *5 people injured*	*Trauma on children*
Property	*90% damaged houses*	*100% damaged houses*	*NA*
Infrastructures	*Damaged School Building, Chapel, Electric Posts and Barangay Hall*	*Cottages near shores damaged*	*NA*
Agriculture	- *Totally damaged coconut farms*	- *Rice fields minimal damage*	*NA*
Environment	- *Totally damaged forestry*	- *Domestic animals such as pigs and chicken died*	*NA*
Estimated Amount of Damage	*₱100,000,000.00*	*₱20,000,000.00*	*NA*

Barangay San Roque, Mayorga, Leyte

HISTORICAL TIMELINE

Output #1b

In partnership with American Red Cross

Types of Disaster	TYPHOON (RUFING)	TYPHOON (YOLANDA)	AMIHAN
Date of Major Occurrence	*1990*	*November 08,2013*	*November – February*
Impact and Strength	*Signal #3 with warnings of storm surge*	*Signal #4*	*Severe*
Loss of Life/ Injured	- *9 people injured*	- *20 people injured* - *1 person died*	- *Increased number of malnourished and with skin disease*
Property	- *200 totally damaged houses* - *90 units of fishing boats damaged*	- *495 totally damaged houses* - *75 partially damaged houses*	*NA*
Infrastructures	*Damaged School building, Chapel, and roads*	*Damaged School Building, Church, Barangay Hall, Health Center, Day Care Center, Association building, Roads and Electric Posts*	*NA*
Agriculture	- *100% Coconut farms damaged*	- *Coconut farms, vegetable gardens, livestock damaged*	- *Vegetation dried out*
Environment	*Damaged forestry*	*Damaged forestry*	*Trees and plants dried out*
Estimated Amount of Damage	*₱2,500,000.00*	*₱20,000,000.00*	*₱500,000.00*

Barangay San Roque, Mayorga, Leyte

HISTORICAL TIMELINE

Output #1c

In partnership with American Red Cross

Types of Disaster	TYPHOON (YOLANDA)	TYPHOON (RUFING)
Date of Major Occurrence	*November 08,2013*	*November 12, 1990*
Impact and Strength	*Signal #4*	*Signal #3*
Loss of Life/ Injured	- *10 people injured* - *1 person died*	- *5 people injured*
Property	- *99% totally damaged houses*	- *100% damaged houses*
Infrastructures	- *Damaged School Building, Chapel, Electric Posts and Barangay Hall*	- *Damaged School Building, and Chapel*
Agriculture	- *99% totally damaged coconut farms*	- *Rice fields totally damaged*
Environment	- *Totally damaged forestry*	- *Damaged seaside*
Estimated Amount of Damage	*₱5,000,000.00*	*₱2,500,000.00*

Barangay San Roque, Mayorga, Leyte

HAZARD MAP

Output #2

In partnership with American Red Cross

Barangay San Roque, Mayorga, Leyte

RISK/VULNERABILITY ASSESSMENT

Output #3a

Types of Hazard	RISKS			Reason
	Low	**Medium**	**High**	
Fire		x		• *Houses are congested in some areas of the barangay.* • *Most houses are made of light materials.*
Flood		x		• *There are low lying areas in the barangay.* • *Most drainages are clogged.*
Schistosomiasis			x	• *There are stagnant water due to poor drainage system.* • *Cases of person's positive of Schistosomiasis are reported in the barangay.*
Earthquake		x		• *Frequent occurrence of earthquake* • *There are houses near buildings such as the Barangay Hall and Basketball court which could be damaged during earthquakes.*
High tide	x			• *There are houses built near the sea.*
Dengue	x			• *There are stagnant water due to poor drainage system which could be breeding grounds for dengue carrying mosquitos* • *There are only minimal cases of dengue reported in the barangay.*

Barangay San Roque, Mayorga, Leyte

RISK/VULNERABILITY ASSESSMENT

Output #3b

Types of Hazard	RISKS			Reason
	Low	**Medium**	**High**	
Flood			x	• *There is no proper drainage system especially in flood prone areas like Zone VI.* • *People throw garbage in drainages that causes clogging.*
Fire		x		• *Houses are congested in some zones of the barangay.* • *Electrical wirings and fixtures are installed improperly which could lead to fire.*
Schistosomiasis			x	• *Poor drainage in some zones leads to stagnant water.* • *Cases of person's with schistosomiasis have been identified in the barangay.*
Tidal wave			x	• *There are households living near coastal areas.*

Barangay San Roque, Mayorga, Leyte

RISK/VULNERABILITY ASSESSMENT

Output #3c

Types of Hazard	RISKS			Reason
	Low	**Medium**	**High**	
Schistosomiasis			x	• *Floods often occur due to poor drainage system.* • *Cases of person's with schistosomiasis have been identified in the barangay.* • *Poor drainage in some zones leads to stagnant water.*
Flood		x		• *There are no proper drainage system.* • *Clogged drainages* • *Heavy rains causes floods.*
Fire	x			• *Faulty wirings in some houses could result to fire.* • *Congested houses are observed in some zones.*
High tide	x			• *Some houses in the barangay are built near coastal areas.*

Barangay San Roque, Mayorga, Leyte

VULNERABILITY and CAPACITY ANALYSIS

Output #5a

In partnership with American Red Cross

Hazard Aspects (FLOOD)	Vulnerabilities	Capacities	Possible Actions
Physical/Material	• *Low elevated houses can cause water to enter the house interior.* • *Most families have young children.* • *Most houses are made of light materials.*	• *BLGU has plans for drainage cleaning*	• *Drainage cleaning should be sooner done to prevent future flooding.*
Social/Organizations	• *Most parents are out of their homes to earn a living*	• *People could help together or do PINTAKASI to unclog drainages.*	• *Head of the families should be at home to watch for their family in cases of occurrence of flooding or typhoons.*
Motivational/Attitudinal	• *People don't want to evacuate immediately when there are warnings of possible floods.*	• *People starts to evacuate when it is enforced by officials.*	• *Need to conduct awareness campaigns or educational seminars on dangers of flood*

Barangay San Roque, Mayorga, Leyte

VULNERABILITY and CAPACITY ANALYSIS

Output #5b

Hazard Aspects (SCHISTOSOMIASIS)	Vulnerabilities	Capacities	Possible Actions
Physical/Material	• *Most houses resides near the river where stagnant water could be inhabited of schistosomiasis.*	• *There is mass treatment conducted twice a year.*	• *Provide proper protective gear such as boots* • *Proper drainage system should be constructed in certain areas of the barangay to at least minimize flooding.*
Social/Organizations	• *Most people especially children are prone to having schistosomiasis due to poor immune system.*	• *The BHWs coordinates with Rural Health Unit of Mayorga about schistosomiasis and reports some cases to give proper attention.*	• *BLGU should spearhead disseminating information on the said illness and coordinating with responsible agencies.*
Motivational/Attitudinal	• *People are not fully informed of the said illness so they don't fully grasp the danger it brings to them especially to their children.*	• *People are interested to know more about schistosomiasis.*	• *Agencies or organizations relating to health should give seminars to people regarding shistosomiasis.*

Barangay San Roque, Mayorga, Leyte

VULNERABILITY and CAPACITY ANALYSIS

Output #5c

In partnership with American Red Cross

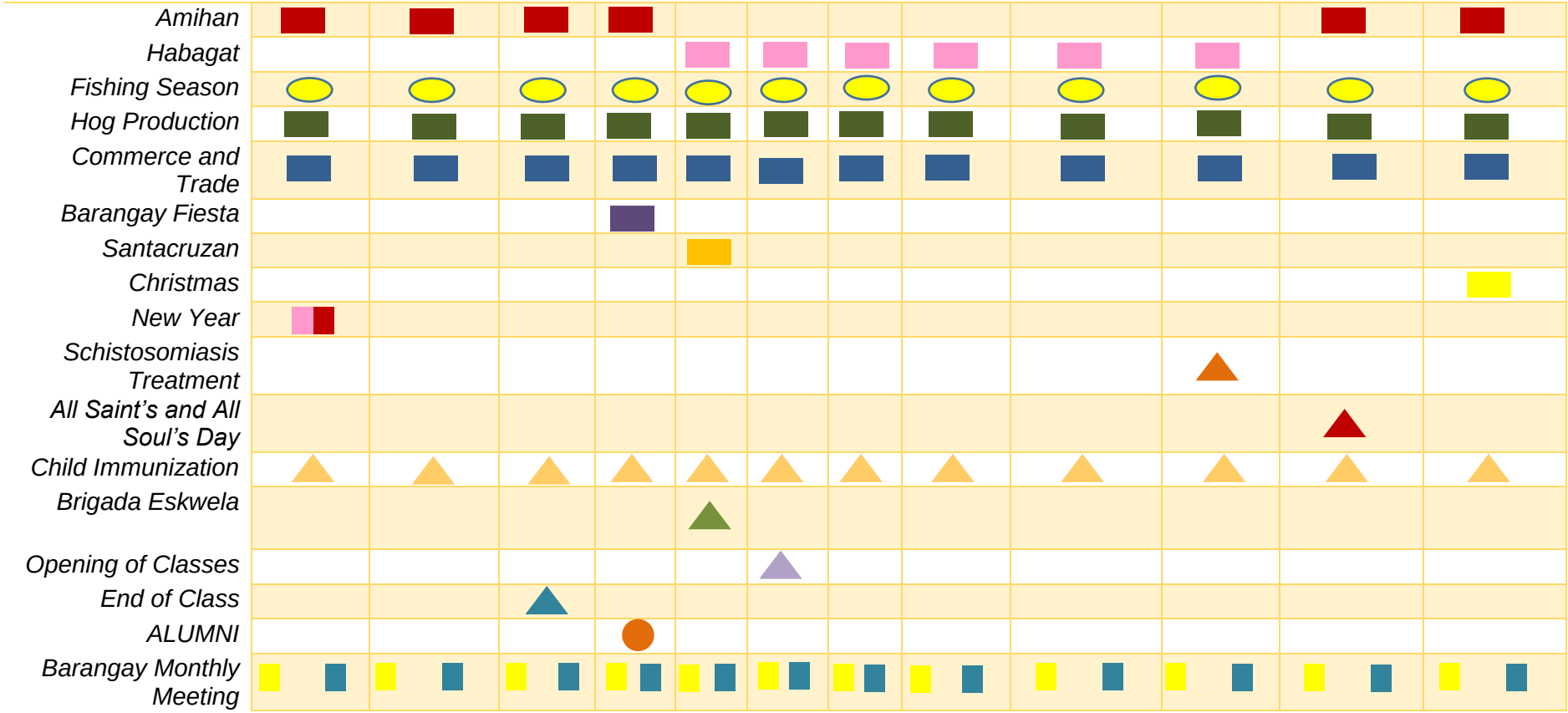
Hazard Aspects (TYPHOON)	Vulnerabilities	Capacities	Possible Actions
Physical/Material	• *Houses are made of light materials.* • *Some of the houses are constructed near the coastal area.* • *There are no designated evacuation area.*	• *There is prompt weather forecast and people have radios for information.* • *Certain buildings in the barangay are used as evacuation centers such as schools, chapel, etc.*	• *BLGU should have plans for construction of an evacuation center*
Social/Organizations	• *Families find it hard to evacuate because of big number of children.*	• *Barangay officials spearhead every evacuation and inform people on coming typhoons.*	• *Barangay officials can be the monitoring team during calamities.*
Motivational/Attitudinal	• *People don't follow evacuation plans by barangay officials.*	• *People prepares food, medicines, and clothes when there are upcoming typhoons.*	• *Increase awareness of the community to help prevent casualties during typhoons or storms*

Barangay San Roque, Mayorga, Leyte

SEASONAL CALENDAR

Output #6

In partnership with American Red Cross



Barangay San Roque, Mayorga, Leyte

SEASONAL CALENDAR LEGENDS

Output #6a

- Amihan
- Habagat
- Fishing Production
- Hog Production
- Commerce and Trade
- Barangay Fiesta
- Santacruzan
- Christmas
- New Year
- Schistosomiasis Treatment
- All Saint's and All Soul's Day
- Child Immunization
- Brigada Eskwela
- Opening of Class
- End of Class
- ALUMNI
- Monthly regular session (2nd and 3rd Wednesday of the month)

Barangay San Roque, Mayorga, Leyte

PRIORITY MATRIX

Output #8

In partnership with American Red Cross

	LACK OF CAPITAL	*MALNUTRITION*	*UNREPAIRED HOUSES*	*LACK OF DRAINAGE (SCHISTO)*	*LACK OF DRAINAGE (FLOOD)*	*LACK OF POTABLE WATER*	*ILLEGAL FISHING*	TOTAL	
LACK OF CAPITAL		5	4	5	5	5	5	29	1st priority
MALNUTRITION	2		2	3	3	2	1	13	5th priority
UNREPAIRED HOUSES	4	4		4	5	3	2	22	2nd priority
LACK OF DRAINAGE (SCHISTO)	2	2	1		3	2	1	11	7th priority
LACK OF DRAINAGE (FLOOD)	2	3	1	3		2	1	12	6th priority
LACK OF POTABLE WATER	2	2	3	4	2		1	14	4th priority
ILLEGAL FISHING	1	3	3	4	3	3		17	3rd priority

Barangay San Roque, Mayorga, Leyte

RESOURCE MATRIX

Output #9

In partnership with American Red Cross

ACTIVITIES/ RESOURCES	HUMAN	FINANCE	SOCIAL	PHYSICAL	NATURAL
LACK OF CAPITAL FOR LIVELIHOOD	✓	✓	✓	✗	✓
MALNUTRITION	✓	✓	✓	✓	✓
SHELTER REPAIR	✓	✗	✓	✓	✓
DRAINAGE (SCHISTO)	✓	✗	✗	✗	✓
DRAINAGE (FLOOD)	✓	✗	✗	✗	✓
LACK OF POTABLE WATER	✓	✗	✓	✗	✓
ILLEGAL FISHING	✓	✓	✓	✓	✓

Barangay San Roque, Mayorga, Leyte

COMMITTEE

In partnership with American Red Cross

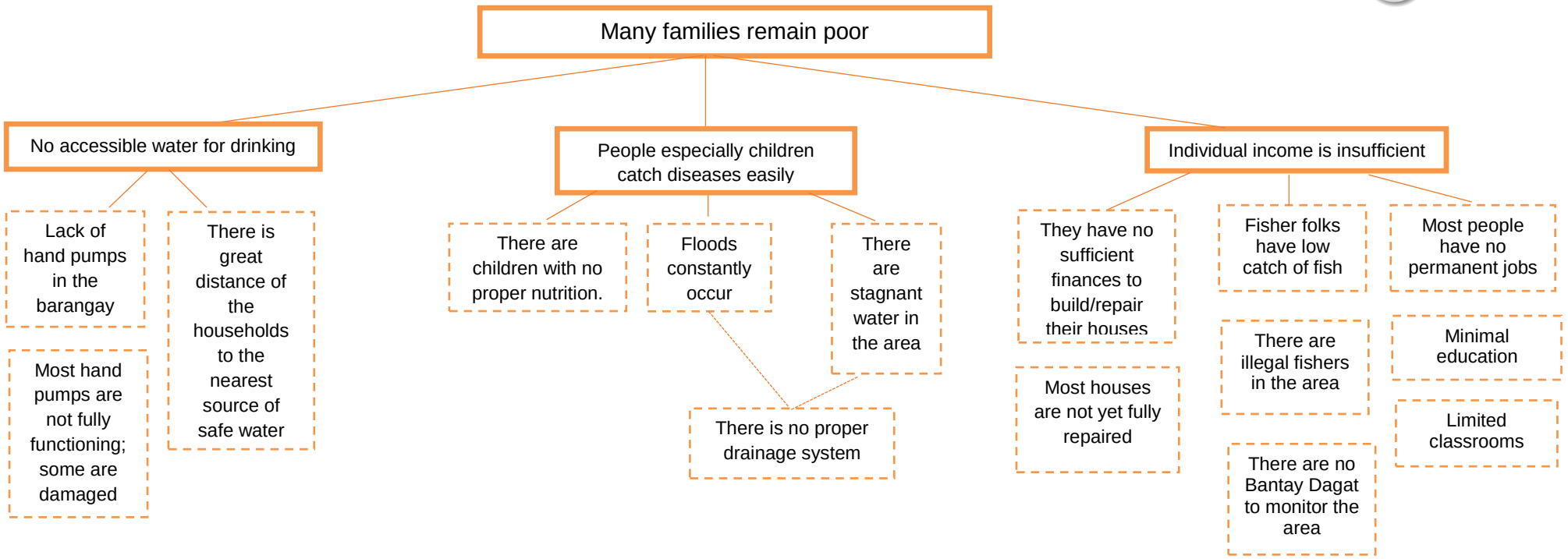
WATER and SANITATION	LIVELIHOOD	SHELTER
Chairman: Merla Cochero	Chairman: Glenda Ramirez	Chairman: Marites Ampatin
Ernesto Serrano	Lester Lauzon	Camelo Alaban
Germelina Molon	Everilda Catantan	Cherilou Simborio
Myrna Lagarto	Evelina Munez	Eduardo Cinco
Evirlida Catantan		
Evelina Munez		
Cherilou Simborio		

Barangay San Roque, Mayorga, Leyte

PROBLEM TREE

Output #7

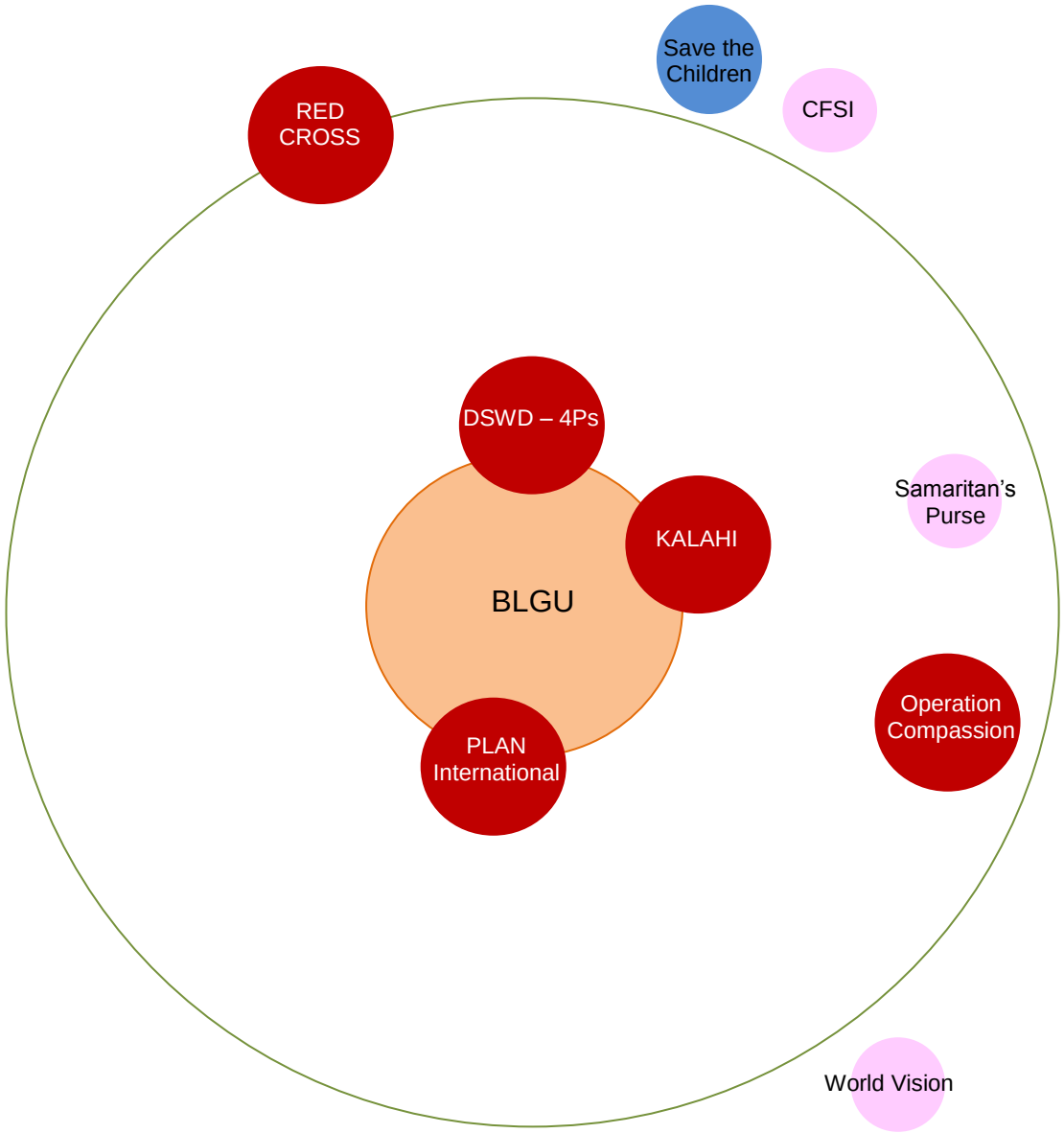
In partnership with American Red Cross



Barangay San Roque, Mayorga, Leyte

VENN DIAGRAM

Output #4



- 4Ps
- BLGU
- CFSI
- KALAHI-CIDSS
- Operation Compassion
- Plan International
- Red Cross
- Samaritan's Purse
- Save the children
- World Vision