



Breeding Sheep and Goat Production and Guidance System Enhancement Project, Taiwan-Belize

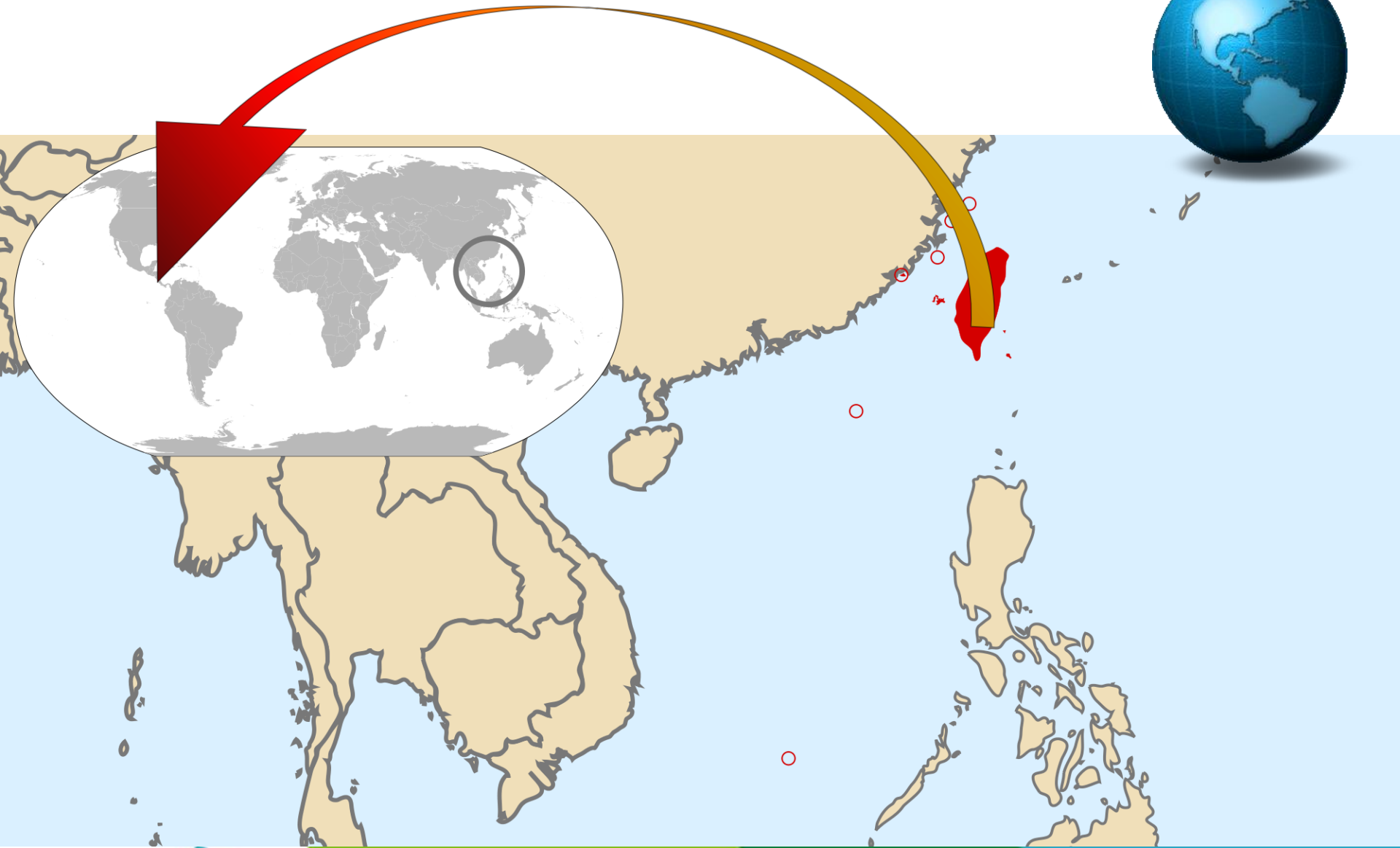


**Ministry of Agriculture, Food Security
and Enterprise AGM**

April 30, 2021

Outline

- Project's Information
- Objectives
- Sheep Industry Background
- Budget
- NSGBC Accomplishments
- Capacity Building





Project Name/Signature

- Sheep Project II: “Breeding Sheep and Goat Production and Guidance System Enhancement Project (Belize)”
- Agreement was signed between Government of Republic of China (Taiwan) and Government of Belize in March 2020

Project Objectives

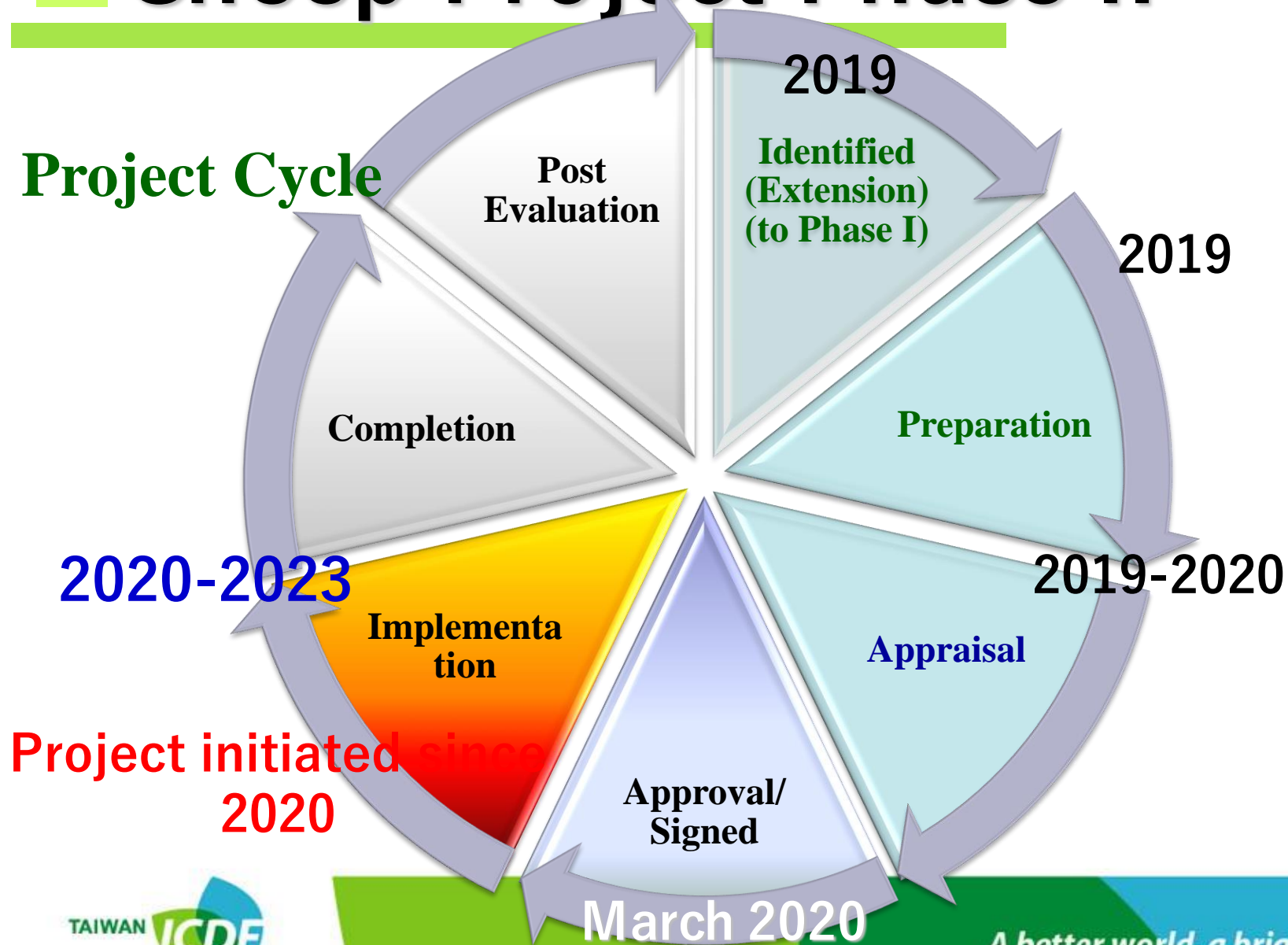
1. Improve productivity of sheep and goats via a stable supply of quality breeding stock and endless farmer training in improved management practices to improve farmer income by 30%
2. Enhance market development via market study and value chain analysis to promote sheep and goat products consumption and to strengthen the traceability for sheep and goat products

Sheep/Goat Industry in Bze



● Sheep and Goat Industry to develop need to follow same trend as Beef cattle

Sheep Project Phase II



Budget

- Implementation Period : 4 years, Jan 2020 to Dec 31, 2023 (Signed March 2020)
- Executing Agency: Ministry of Agriculture, Food Security and Enterprise, Taiwan Technical Mission in Belize.

BUDGET:

- Project Amount: US\$ 3,000,000
- The Government of Republic of China (Taiwan) : US\$2,500,000
- The Government of Belize : US\$500,000



Advantage of lamb

- An excellent source of high-quality protein
- An ideal source of iron
- Provides enough zinc
- Great source of B vitamins
- Contain trace elements
- Half the fat in lamb meat is unsaturated



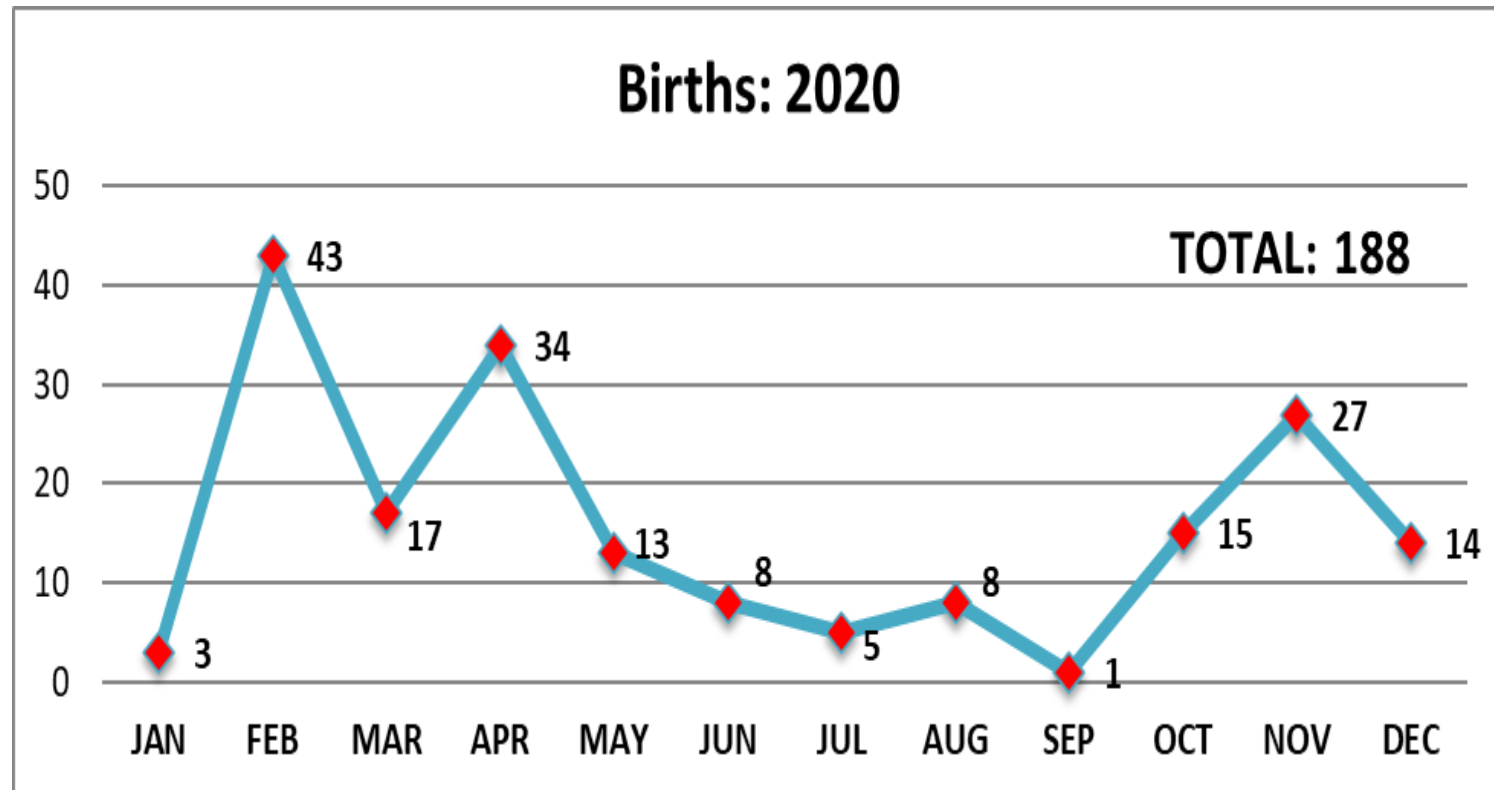
2020 NSGBC Production

1. Births:

- 188 lambs were born in 2020
- Lambing peaks (Feb-Apr) and (Oct-Dec)

2. Lambing rate = 1.504/litter (188 lambs/125ewes) is above international obtained rates FAO reports 1.51/litter (<http://www.fao.org/3/X6517E/X6517E02.htm>)

NSGBC 2020 Accomplishments



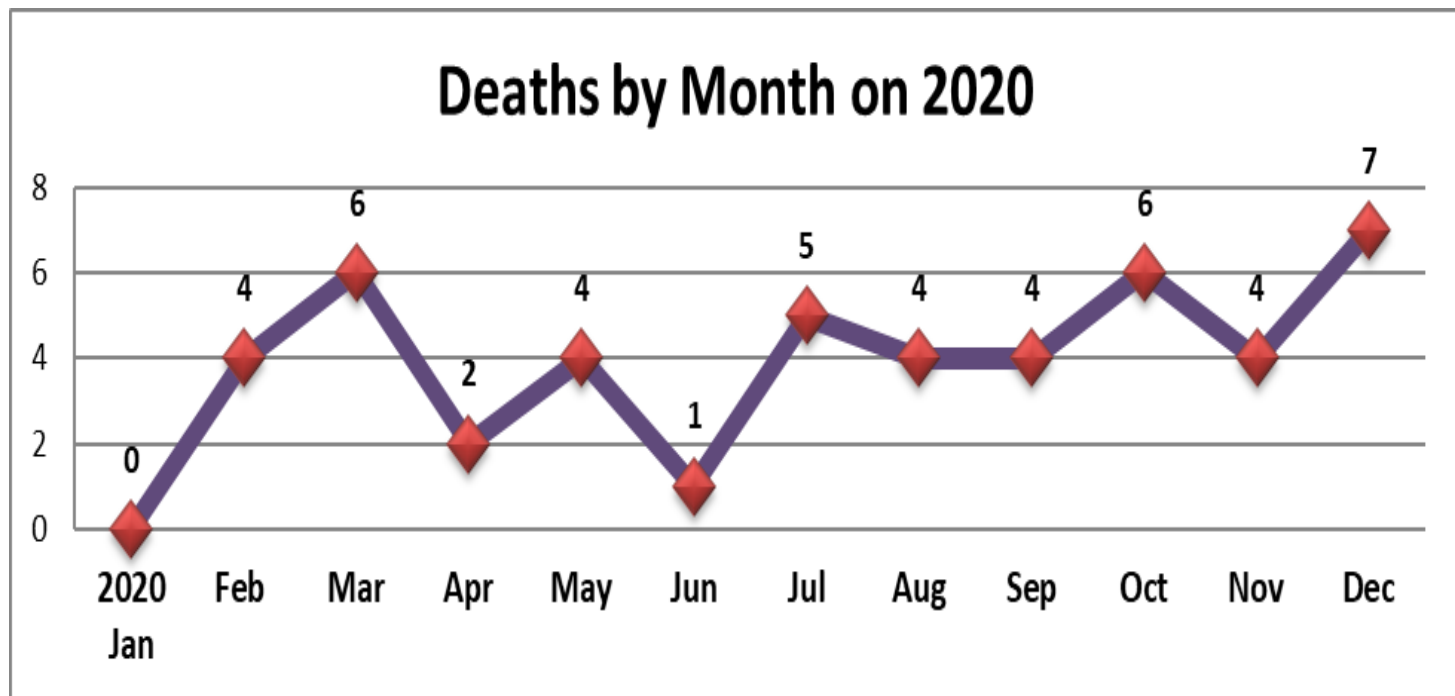
2020 NSGBC Production

- **General Mortality (GM):**
 - 47 deaths were registered in 2020 represents **12.8%**
 - International acceptable GM rates in the tropics is 10-13%
- **Lamb Mortality:**
 - 8 lambs (less than 1 month) died in 2020 represents 4.25%
 - Causes: diarrhea mainly due to coccidia
 - Corrective measures have been set in place include daily neonatal lamb care, monitoring for diarrhea, treatment of drinking water and of lambs

Note: Worldwide lamb mortality rates average from 9 to 20%

NSGBC 2020 Accomplishments

47 Deaths recorded representing 12.8%



2020 NSGBC Production

Selling Prices:

Breeding Ram is \$500.00 – Age 6 months plus

Breeding Ewe is \$400.00 – Age 6 months plus

Summary of Sales: 72 as follows:

40 sold as Breeding Stock representing 55.5%

32 sold as culled sheep representing 44.5%

Revenue Collected: **\$16,464.00**

NSGBC 2020 Accomplishments

Summary of Sales:

Breed	Male	Female	Total
Dorper	24	23	47
Katahdin	4	2	6
BBB	7	4	11
Goat	7	1	8
Total	42	30	72

Capacity Building

Date	Topics	Location	Total Participants	Collaborators
January	Pasture Establishment, parasite control, animal nutrition, breeding stock selection and traceability	Yo-Creek Orange Walk	28	Extension Dept, Cooperative Dept and BMDC
July	Pasture Establishment, parasite control, animal nutrition, breeding stock selection and traceability	Livestock Section, Central Farm	30	Extension Dept







THANK YOU FOR YOUR
ATTENTION

GRACIAS POR SU
ATENCIÓN