

OIE SEA ASF RA PROJECT - MALAYSIA

1. GIS data collection

2. Selected pathways

1. Pig and pork importation (through legal imports of pigs and swine products).
2. Swill feeding - The risk of feral pigs accessing to swine products discarded in landfills was slightly higher than the potential exposure of domestic pigs through swill feeding
3. Wild boar; infected wild boar cross borders of ASF positive country

3. Data collection on trade

Source of collected data

- i. DVS official documents (livestock trading information, movements of the commodities)
- ii. Government data (statistics) and guidelines
- iii. Scientific literature (local and international journal)
- iv. Expert opinions (pigs association/professionals)
- v. Importation requirements (DVS protocol)
- vi. OIE WAHIS database
- vii. Farmers (surveillance/questionnaire)
- viii. Social media

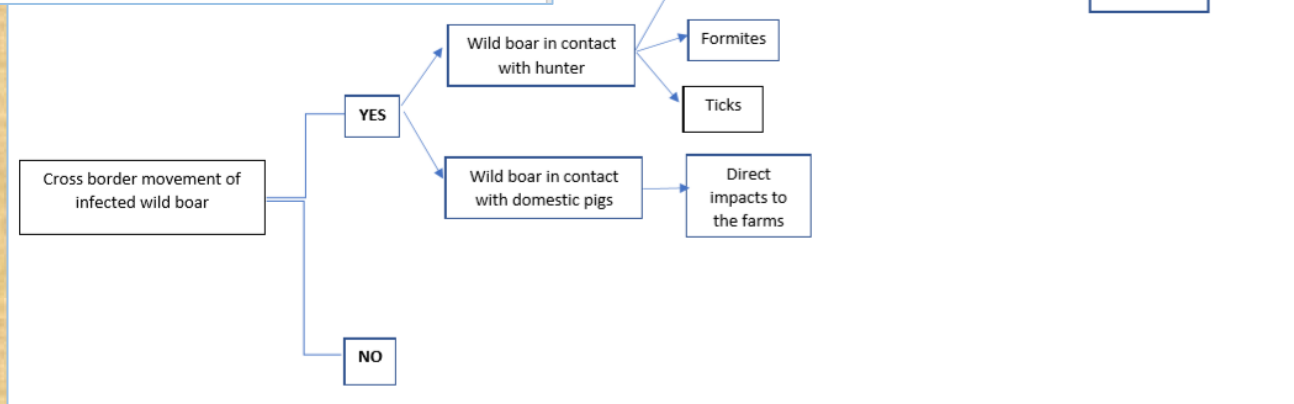
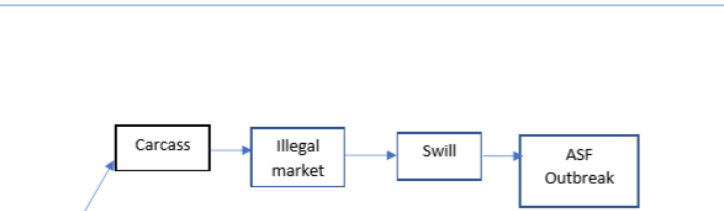
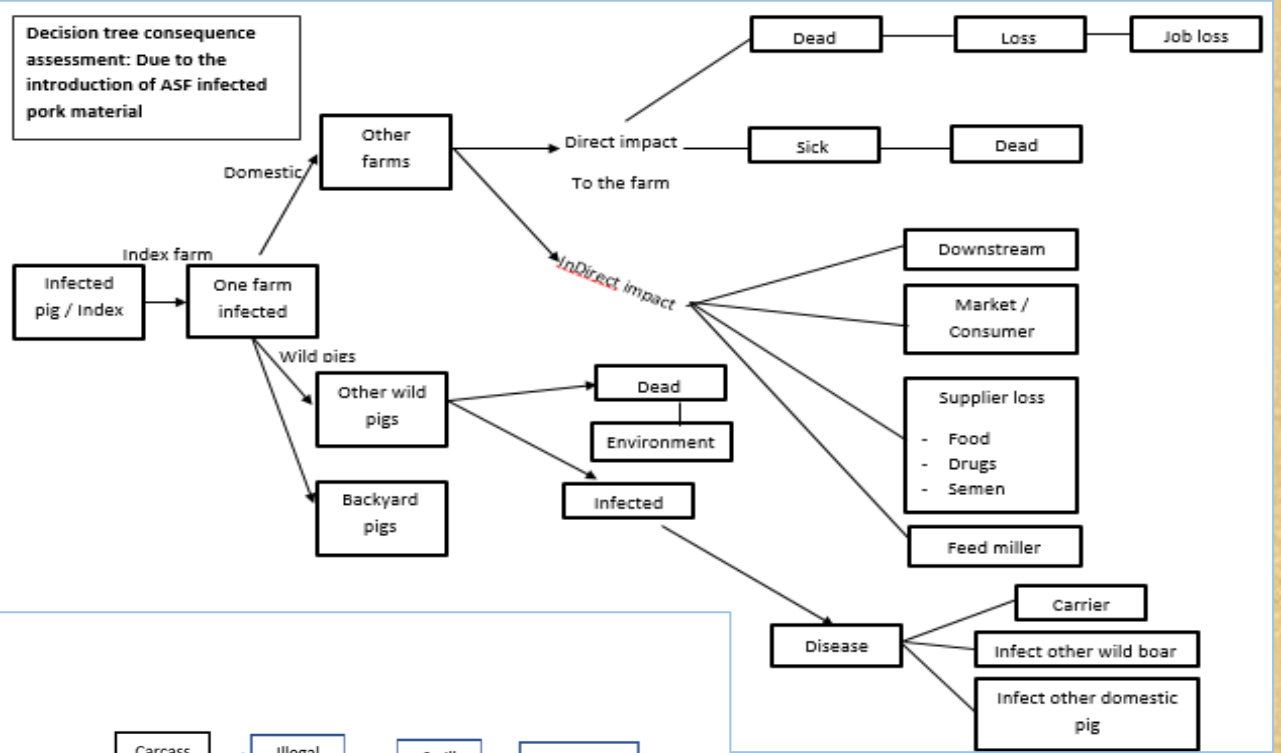
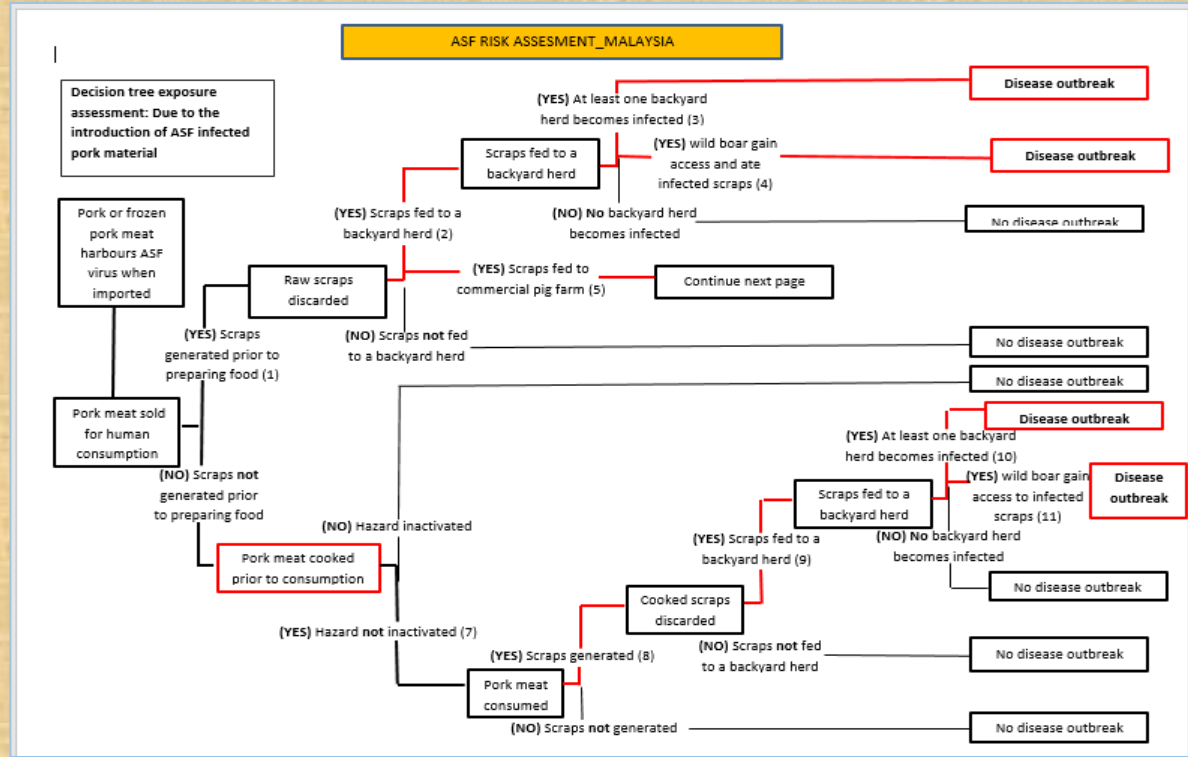
GIS Data Collection

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
	Province	Are there pig raising/keeping/production activities in the province?	What is the total number of pigs in the province?	What is the total number of pig farms in the province?	What is the number of farms with extensive/ backyard production system in the province?	What is the number of pigs raised in farms with extensive/ backyard production system in the province?	What is the number of farms with semi-intensive production system in the province?	What is the number of pigs raised in farms with semi-intensive production system in the province?	What is the number of farms with intensive production system in the province?	What is the number of pigs raised in farms with intensive production system in the province?	What is the number of farms engaged only in breeding activities in the province?	What is the number of pigs raised in farms engaged only in breeding activities in the province?	What is the number of farms engaged only in fattening activities in the province?	What is the number of pigs raised in farms engaged only in fattening activities in the province?	What is the number of farms engaged in both breeding and fattening activities in the province?	What is the number of pigs raised in farms engaged in both breeding and fattening activities in the province?	Does the province engage in direct import of live pigs from countries across the border?	Direct import of live pigs, where (country)?	Does the province engage in indirect import of live pigs from countries across the border?	Indirect import of live pigs, where (country)?	Does the province engage in direct export of live pigs to countries across the border?	Direct export of live pigs, where (country)?
1	Province	A.1.	A.2.	A.3.	A.4.	A.5.	A.6.	A.7.	A.8.	A.9.	A.10.	A.11.	A.12.	A.13.	A.14.	A.15.	B.1.	B.2.	B.3.	B.4.	B.5.	B.6.
2	Code																					
3	Johor	Yes	284850	47	0	0	0	0	47	284850	NA	NA	NA	NA	47	284850	No	No	No	No	No	No
4	Kedah	Yes	1541	2	0	0	0	0	2	1541	NA	NA	NA	2	1541	No	No	No	No	No	No	No
5	Kelantan	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	No
6	Melaka	Yes	40215	37	0	0	0	0	37	40215	NA	NA	NA	37	40215	No	No	No	No	No	No	No
7	Negeri Sembilan	Yes	850	1	0	0	0	0	1	850	NA	NA	NA	1	850	No	No	No	No	No	No	No
8	Pahang	Yes	2696	1	0	0	0	0	1	2696	NA	NA	NA	1	2696	No	No	No	No	No	No	No
9	Perak	Yes	543245	109	0	0	0	0	109	543245	NA	NA	NA	109	543245	No	No	No	No	No	No	No
10	Perlis	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	No
11	Pulau Pinang	Yes	356592	190	0	0	0	0	190	356592	NA	NA	NA	190	356592	No	No	No	No	No	No	No
12	Sabah	Yes	88848	45	260	3704	0	0	45	88848	NA	NA	NA	45	88848	No	No	No	No	No	No	No
13	Sarawak	Yes	39622	83	2397	66734	0	0	83	39622	NA	NA	NA	83	39622	No	No	No	No	Yes	Singapore	No
14	Selangor	Yes	240240	125	0	0	0	0	125	240240	NA	NA	NA	125	240240	No	No	No	No	No	No	No
15	Trengganu	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	No

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
	Province	1	Does the province engage in indirect export of live pigs to countries across the border?	Indirect export of live pigs, where (country)?	Does the province engage in direct import of pig feed from countries across the border?	Direct import of pig feed, where (country)?	Does the province engage in indirect import of pig feed from countries across the border?	Indirect import of pig feed, where (country)?	Does the province engage in direct export of pig feed to countries across the border?	Direct export of pig feed, where (country)?	Does the province engage in indirect export of pig feed to countries across the border?	Indirect export of pig feed, where (country)?	Is there any wild boar in the province?	What are the species of wild boar that are present in the province?	What is the wild boar population density in the province?							
1	Province	1	B.7.	B.8.	B.9.	B.10.	B.11.	B.12.	B.13.	B.14.	B.15.	B.16.	C.1.	C.2.	C.3.							
3	Johor	3	No	No	No	No	No	No	No	No	No	No	Yes	Sus borneo barbatus	NA							
4	Kedah	4	No	No	No	No	No	No	No	No	No	No	Yes									
5	Kelantan	5	No	No	No	No	No	No	No	No	No	No	Yes									
6	Melaka	6	No	No	No	No	No	No	No	No	No	No	Yes									
7	Negeri Sembilan	7	No	No	No	No	No	No	No	No	No	No	Yes									
8	Pahang	8	No	No	No	No	No	No	No	No	No	Yes										
9	Perak	9	No	No	No	No	No	No	No	No	No	Yes										
10	Perlis	10	No	No	No	No	No	No	No	No	No	Yes										
11	Pulau Pinang	11	No	No	No	No	No	No	No	No	No	Yes										
12	Sabah	12	No	No	No	No	No	No	No	No	No	Yes										
13	Sarawak	13	No	No	No	No	Yes	USA, Argentina, Australia	No	No	No	No	Yes									
14	Selangor	14	No	No	No	No	No	No	No	No	No	No	Yes									
15	Trengganu	15	No	No	No	No	No	No	No	No	No	No	Yes									

RISK PATHWAY

- importation of pig and pork products
- cross border of infected wildboar from neighbouring countries



Thank you