





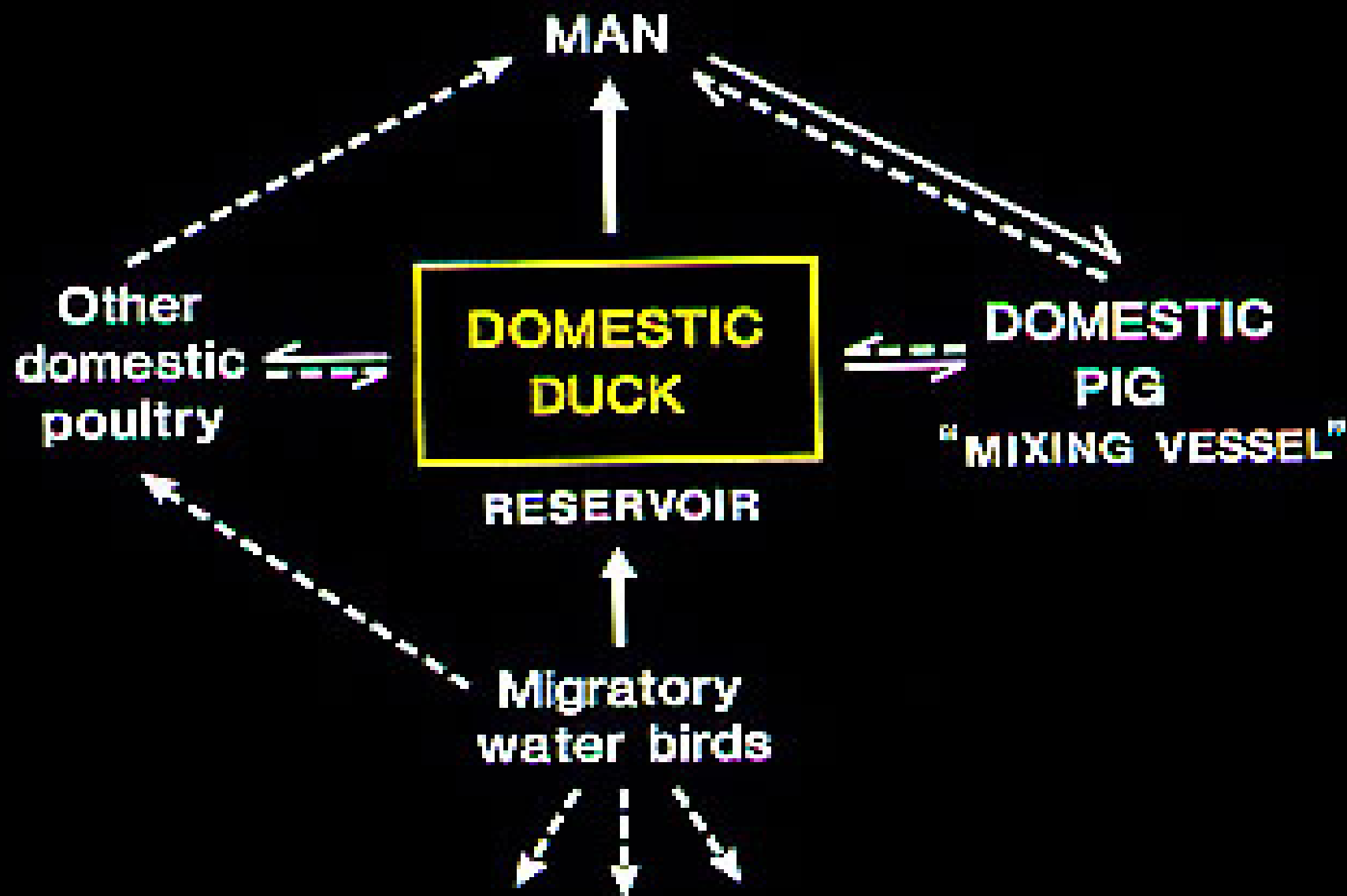
SOUTHERN CHINA

AN

INFLUENZA EPICENTRE

PANDEMIC INFLUENZA

NON-ERADICABLE ZOOONOSIS



INFLUENZA VIRUS - FUNDAMENTAL FEATURES



R. MADHUSY

- ◆ SEGMENTED RNA → GENETIC REASSORTMENT
- ◆ SINGLE STRANDED → GENETIC INSTABILITY
RNA -VE SENSE



INFLUENZA VIRUS HOSTS EAST ASIA

AQUATIC BIRDS

SEABIRDS SHOREBIRDS WATER FOWL BIRDS OF PREY MISCELLANEOUS BIRDS

DOMESTICATION **DUCK GOOSE** MAJOR POULTRY

INFLUENZA FARMYARD

GENE POOL OF SOUTHERN CHINA "EPICENTRE"



MAJOR POULTRY **CHICKEN** ← PIGEON, QUAIL, PHEASANT, CHUKAR ETC. MINOR POULTRY
DOMESTICATION

TERRESTRIAL BIRDS







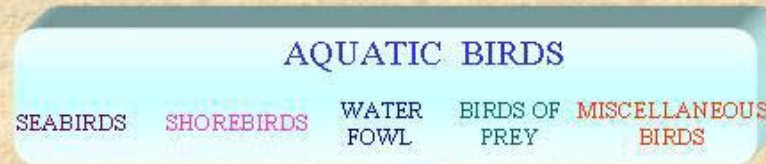




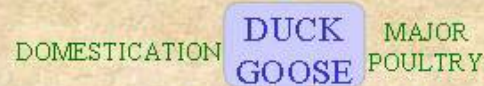


INFLUENZA VIRUS HOSTS EAST ASIA

CONTROL



No



No

INFLUENZA FARMYARD

GENE POOL OF SOUTHERN CHINA "EPICENTRE"



POSSIBLE SURVEILLANCE SLAUGHTER



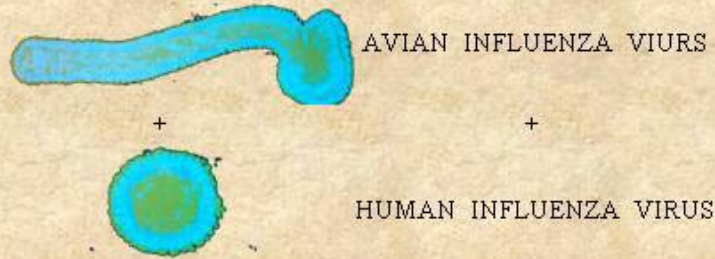
POSSIBLE SURVEILLANCE SLAUGHTER VACCINATION

TERRESTRIAL BIRDS

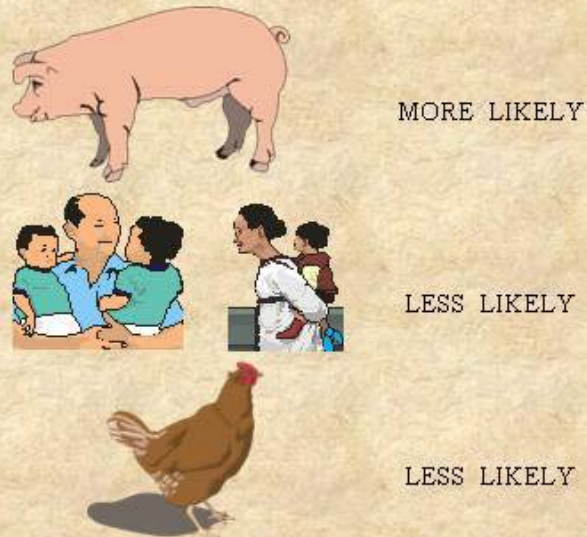


GENERATION OF A FULL-BLOODED PANDEMIC INFLUENZA VIRUS

REASSORTMENT



HOST



FLU VIRUS
EARLY WARNING
SYSTEM

