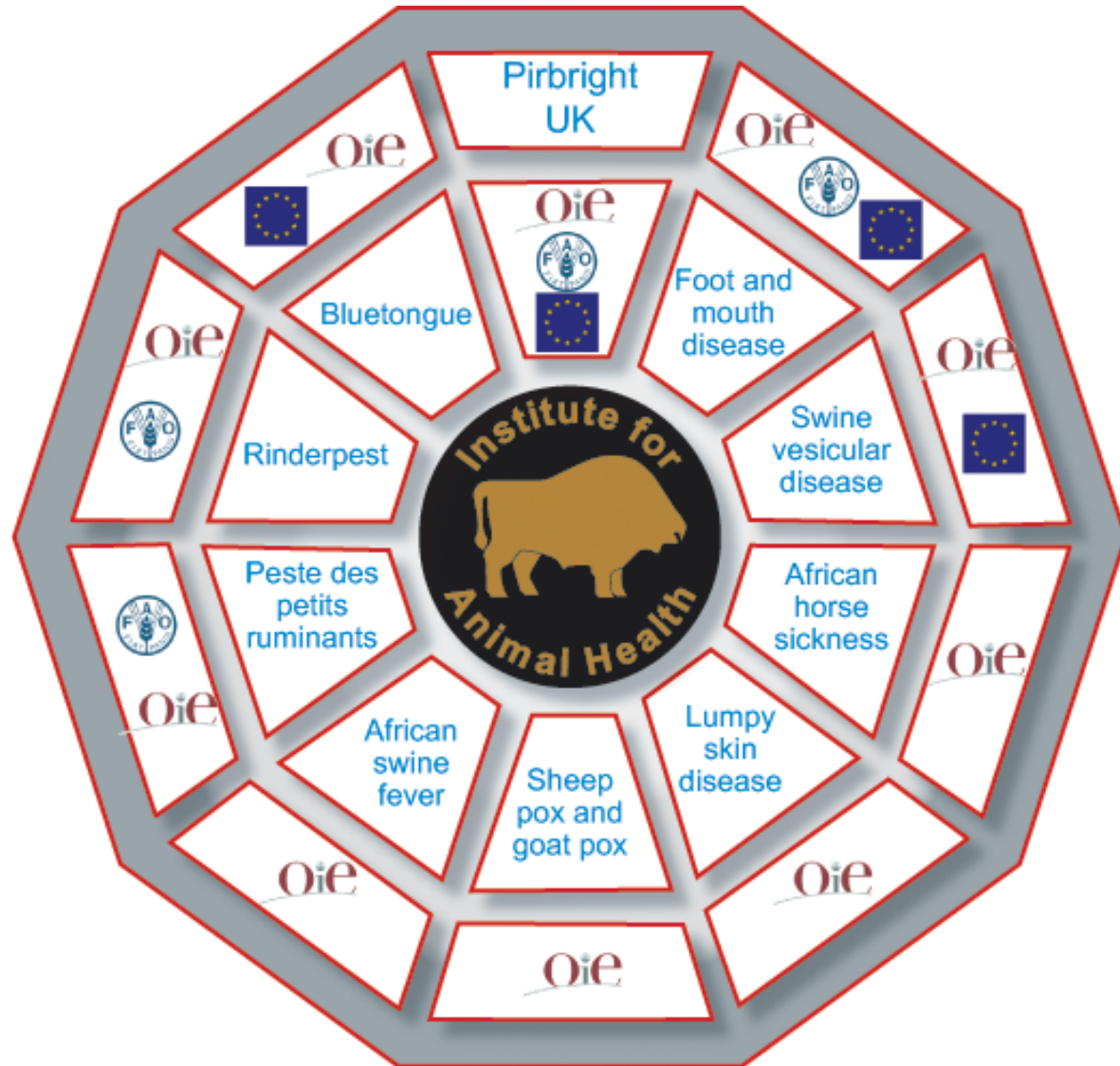
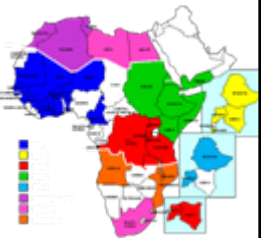
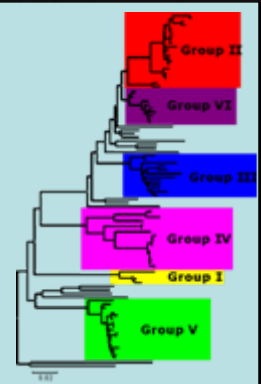


Welcome to the Symposium to
celebrate the
50th Anniversary of IAH-Pirbright
Laboratory as FAO World Reference
Laboratory for FMD
Royal Society 9 May 2008

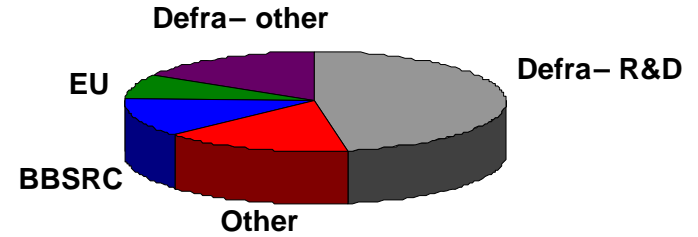
Martin W. Shirley
Director, IAH



Reference Laboratories at IAHA



FMD Programme at IAH



EPIDEMIOLOGY

- Risk of spread and virus evolution
- Correlates of transmission

DIAGNOSIS

- Lab and field tests
- Vaccine differentiation

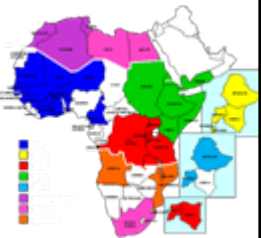
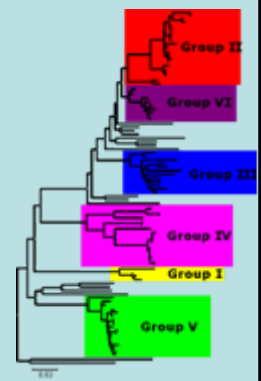
REFERENCE LABORATORIES

IMMUNITY AND VACCINES

- Correlates of transmission
- Correlates of protection
- Vaccine development

HOST:PATHOGEN INTERACTIONS

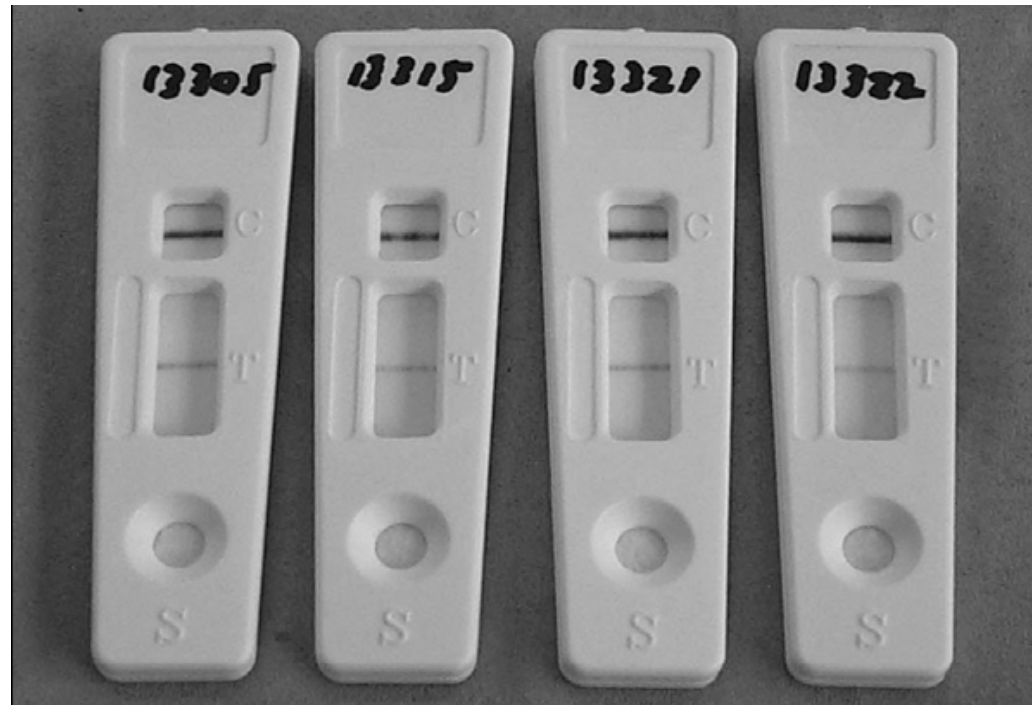
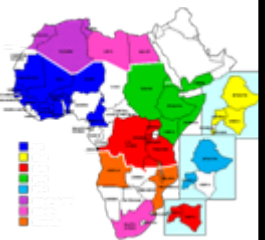
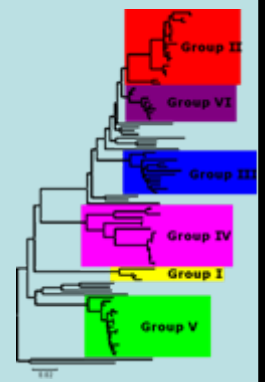
- Tropism, virus entry, replication
- Pathogenesis of infection and virus persistence



Continuing improvement

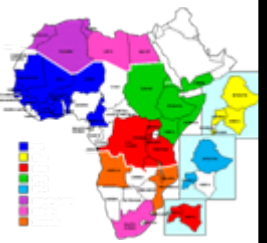
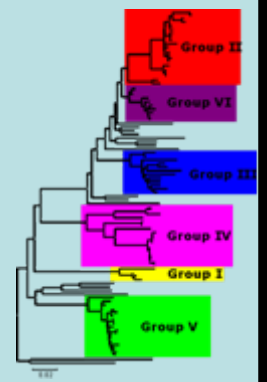
Lateral Flow Devices and RT-PCR

- Pen-side FMD virus diagnosis
- Pregnancy test-type kit to detect all 7 serotypes
- Developed and validated with IAH (IP7 in 2007)
- Result <10 mins
- Launched April 2008



Some other events in 1958

- European Economic Community (EEC) established
- Khrushchev becomes Premier of Soviet Union
- Gen. Charles de Gaulle becomes French premier
- Manchester United Munich air disaster
- First transatlantic jet passenger service started by BOAC: New York to London
- Frederick Sanger (Chemistry) - molecular structure of insulin - and Joshua Lederberg (Medicine) - genetic recombination and organization of genes of bacteria - win Nobel Prizes
- First parking meters installed in England
- The bridge on the River Kwai - top film; Catch a Falling Star (Perry Como) - top song
- Michael Jackson – born

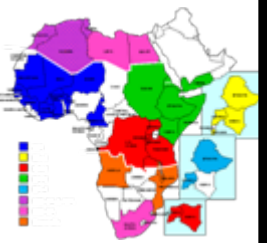
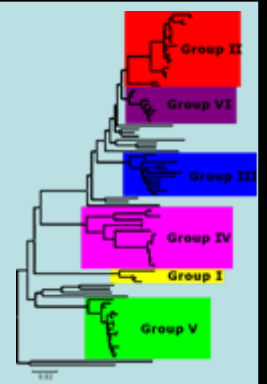




Pirbright c1950's



Pirbright c1980's



Pirbright Site Redevelopment Programme

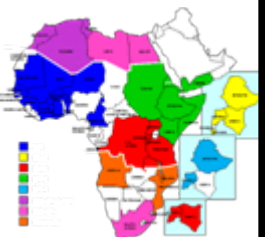
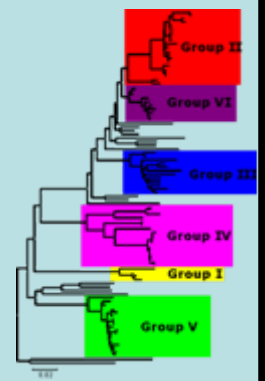
Including co-location of
Institute for Animal Health
and
Veterinary Laboratories Agency



Iain Anderson

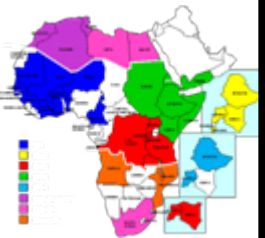
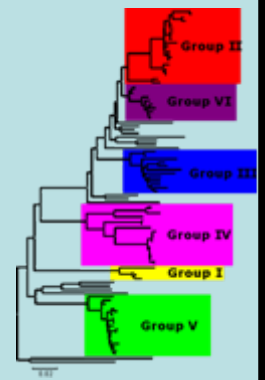
Foot and Mouth Disease 2007: A Review and Lessons Learned

“The IAH is critical to the nation’s capacity to prepare for, and respond to, the evolving animal disease and zoonotic risk. However, the facilities of IAH fall well short of internationally recognised standards. That is why the current Pirbright Site Redevelopment Programme is so important.”





New Pirbright Laboratory

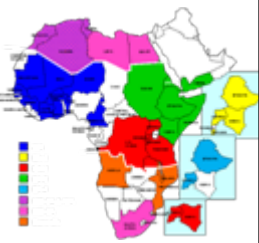
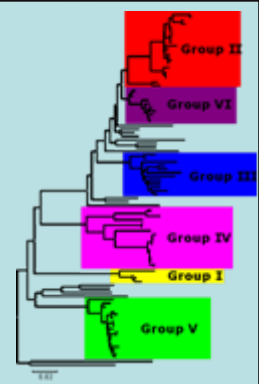


North Elevation



South Elevation





Thank you, FAO, for your early and continuing support of the science of IAH-Pirbright

Enjoy the day