



Organisation  
Mondiale  
de la Santé  
Animale

World  
Organisation  
for Animal  
Health

Organización  
Mundial  
de Sanidad  
Animal

# OIE Laboratory Twinning

Training workshop on collection and shipping of samples  
Nairobi, Kenya, 9 – 11 August 2011



**USAID**  
FROM THE AMERICAN PEOPLE

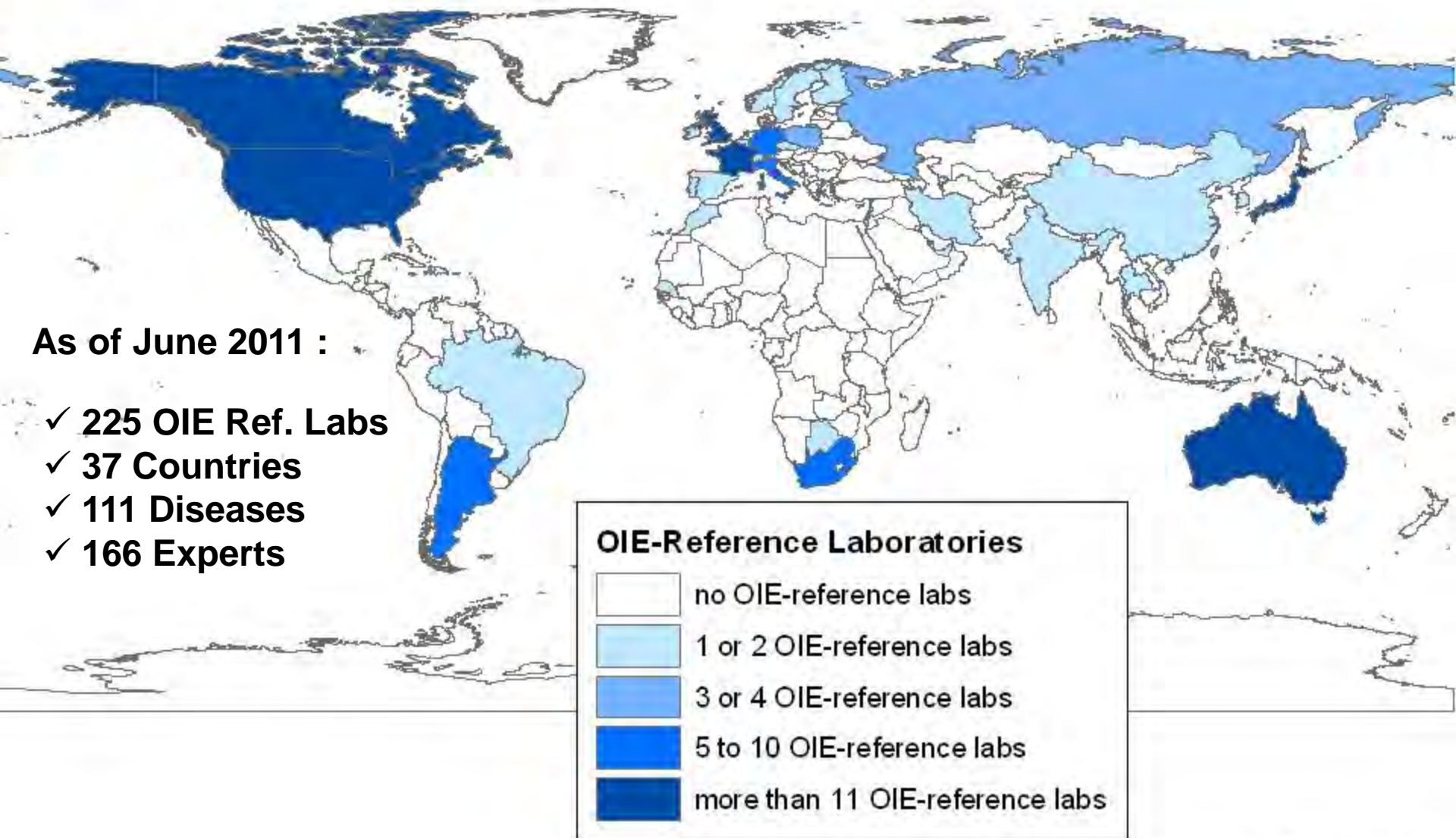


With the support of the IDENTIFY Project, of the Emerging Pandemic Threats (EPT) program, USAID.

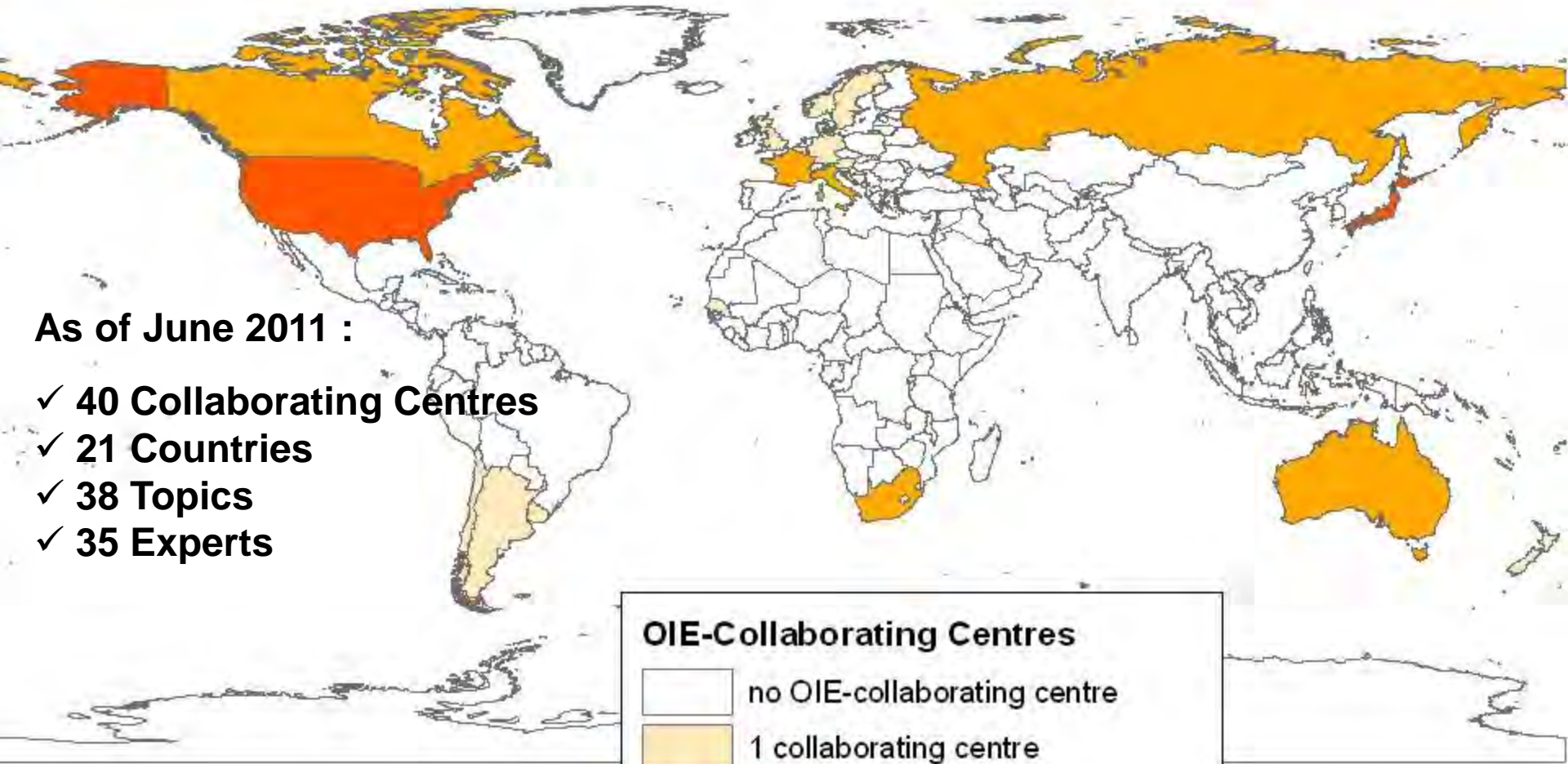
# World Distribution of the OIE- Reference Laboratories

As of June 2011 :

- ✓ 225 OIE Ref. Labs
- ✓ 37 Countries
- ✓ 111 Diseases
- ✓ 166 Experts

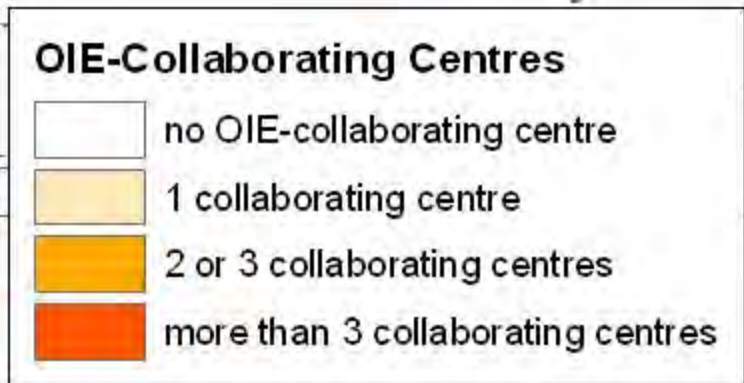


# World Distribution of the OIE- Collaborating Centres



**As of June 2011 :**

- ✓ **40 Collaborating Centres**
- ✓ **21 Countries**
- ✓ **38 Topics**
- ✓ **35 Experts**



# OIE Laboratory Twinning Programme : what is it ?

OIE is committed to :

- **Expanding and strengthening** its network of expertise.
- **Creating synergies** so as to continue to meet the emerging challenges in a globalising world.

# OIE Laboratory Twinning Programme : what is it ?

Each OIE Twinning Project is **a link** between an OIE Reference Laboratory or an OIE Collaborating Centre ('Parent') and a national laboratory wishing to improve capacity and expertise ('Candidate') for an OIE listed disease or sphere of competence.

- Concept launched in 2006.
- First project started in November 2007.

# Aims and objectives

- To improve compliance with OIE standards.
- To improve access to high quality diagnostics for more OIE Members.
- Eventually for Candidates to apply for 'reference' status.
- To help countries to enter scientific debate on an equal footing with others.

# Prerequisites

- Parent must be an OIE Reference Laboratory or Collaborating Centre.
- Candidate must have potential to provide support.
- Project needs full support of Veterinary Services.



Delegates are directly involved in this project.

# Scope of the OIE Twinning Project

- Realistic with achievable goals.
- Variability and flexibility (objectives, subjects, length of project (1-3 years) ...)



# Support from OIE

- To support the link, facilitating transfer of technical capacity and expertise.
- Encourage and assist in coordinating with other capacity building projects.
- Support from OIE covers :
  - Flights, workshops, exchanges of experts, per diems.
  - Meeting costs.
  - Laboratory consumables directly related to training (up to a limit).
  - Assessment of Candidate's material needs.

# Support from OIE (contd)

But :

- Equipment, infrastructure, and bench fees are not covered (Twinning does not cover the building of a laboratory or other infrastructure).

# A range of projects

Twining can accommodate multiple diseases or topic :

- Specific diseases.
- Multiple diseases :  
(CSF/rabies; AI/ND; PPR/FMD/SGP)
- Topics : epidemiology, veterinary medicinal products, molecular diagnostics, food safety.



# Ongoing updates to OIE Laboratory Twinning Programme Guide

- Possibility of involving more than one Parent or Candidate in a twinning project.
- Where possible, develop synergies between twinning and other capacity building projects.
- A limit on the number of twinning projects per laboratory (a maximum of two).
- Assistance with finding complementary funds from other donors and avoid duplication.
- Possibility of resource rich countries to fund their own OIE Twinning project.

# The application process

- Expression of interest by candidate or Parent laboratory may initiate.
- Initial feedback from OIE.
- Draft proposal (template provided).
- Comments from one of the OIE Standards Commissions (Aquatic or Biological).
- OIE clears administrative aspects.
- Signed letters of support from OIE Delegate and Laboratory Directors.
- Contract signed and project starts.

# Progress

- Situation in May 2011 :
  - 3 projects completed.
  - 29 projects are underway.
  - 6 new projects have been approved.
- 32 countries involved.

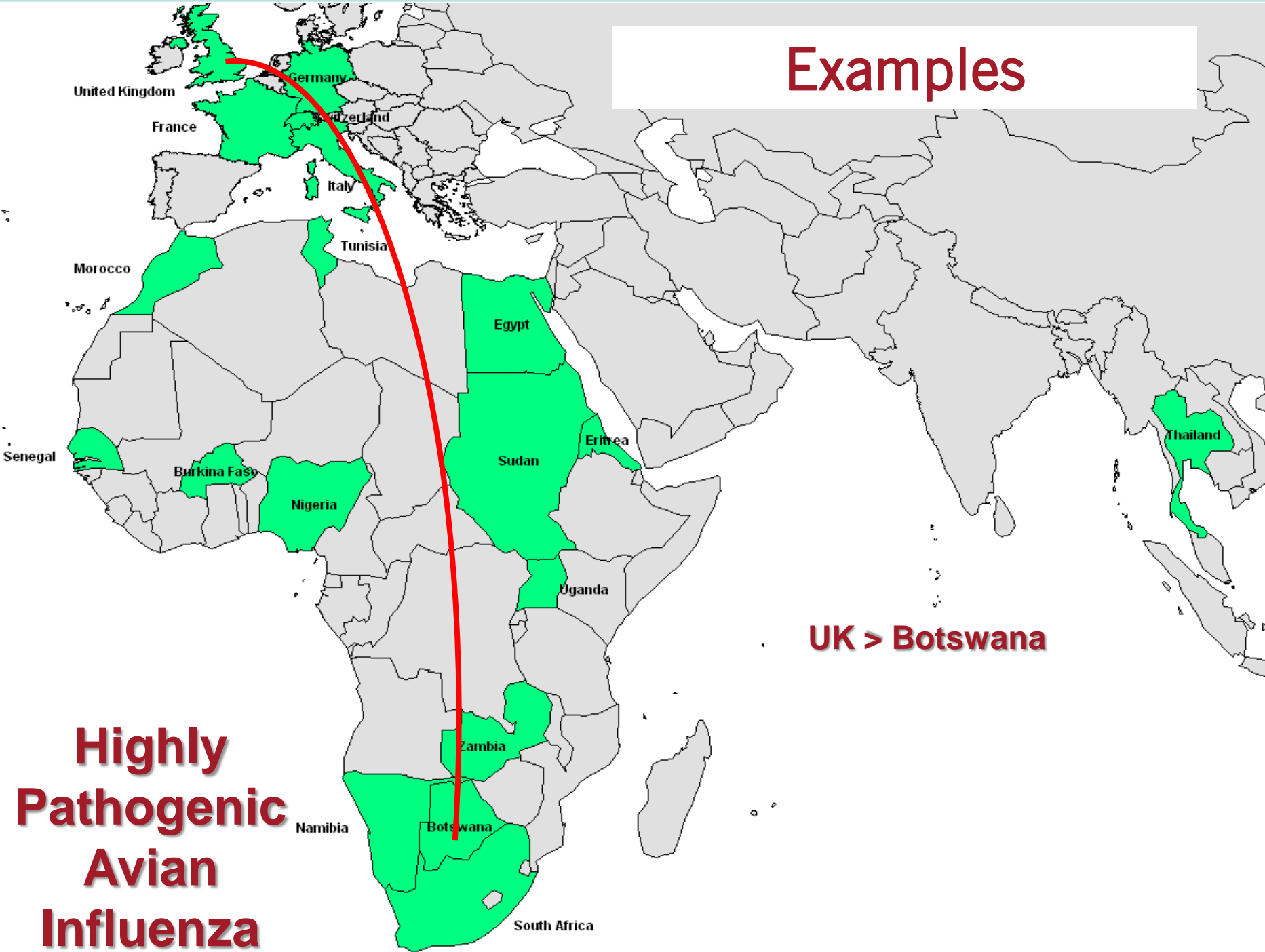
# World Distribution of the OIE- Candidate Laboratories



**Number of OIE Candidate Laboratories**

	No OIE Candidate laboratories
	1 or 2 OIE Candidate Laboratories
	3 or 4 OIE Candidate Laboratories

# Examples

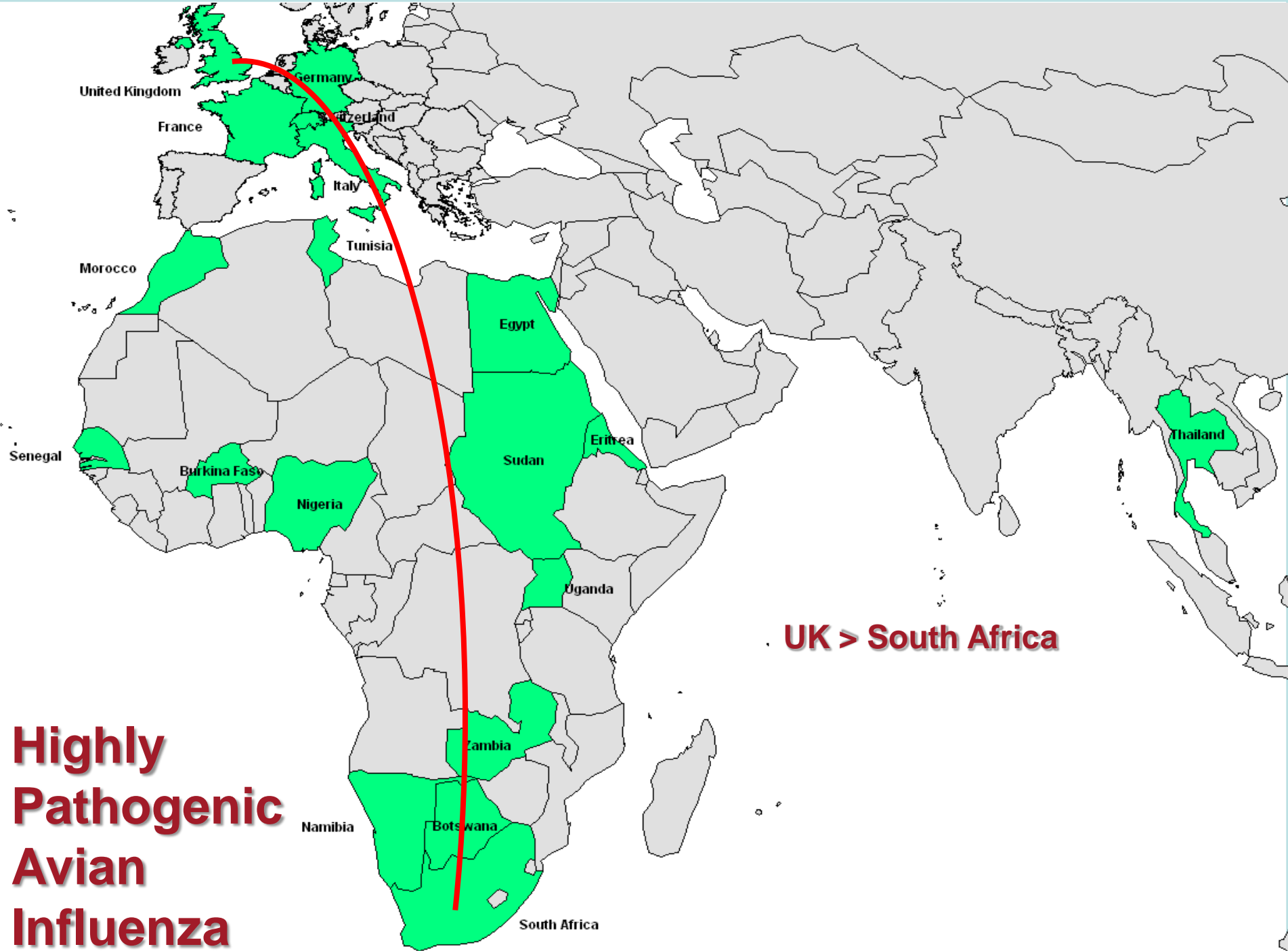


**Highly  
Pathogenic  
Avian  
Influenza**

**UK > Botswana**

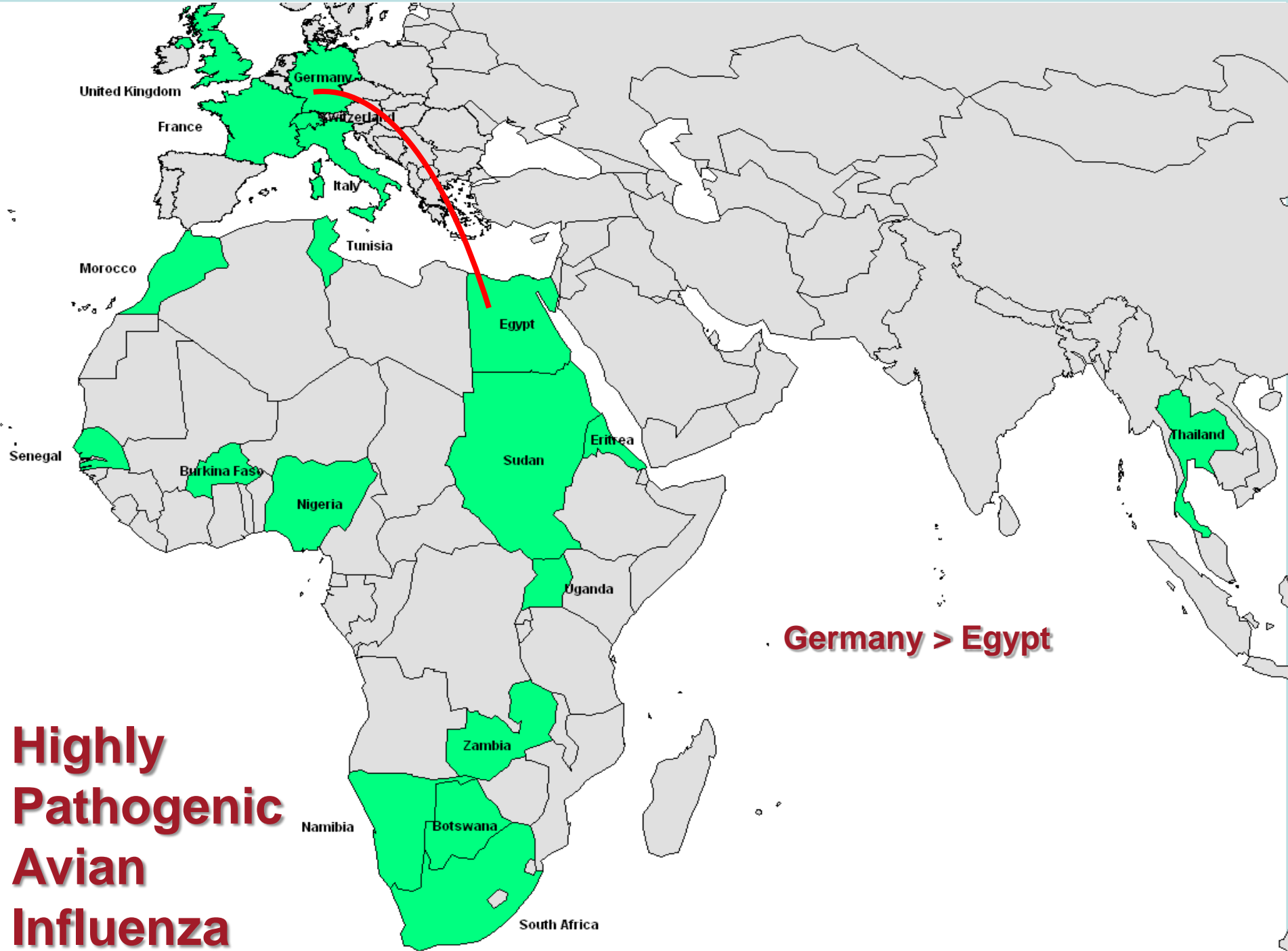


# Highly Pathogenic Avian Influenza

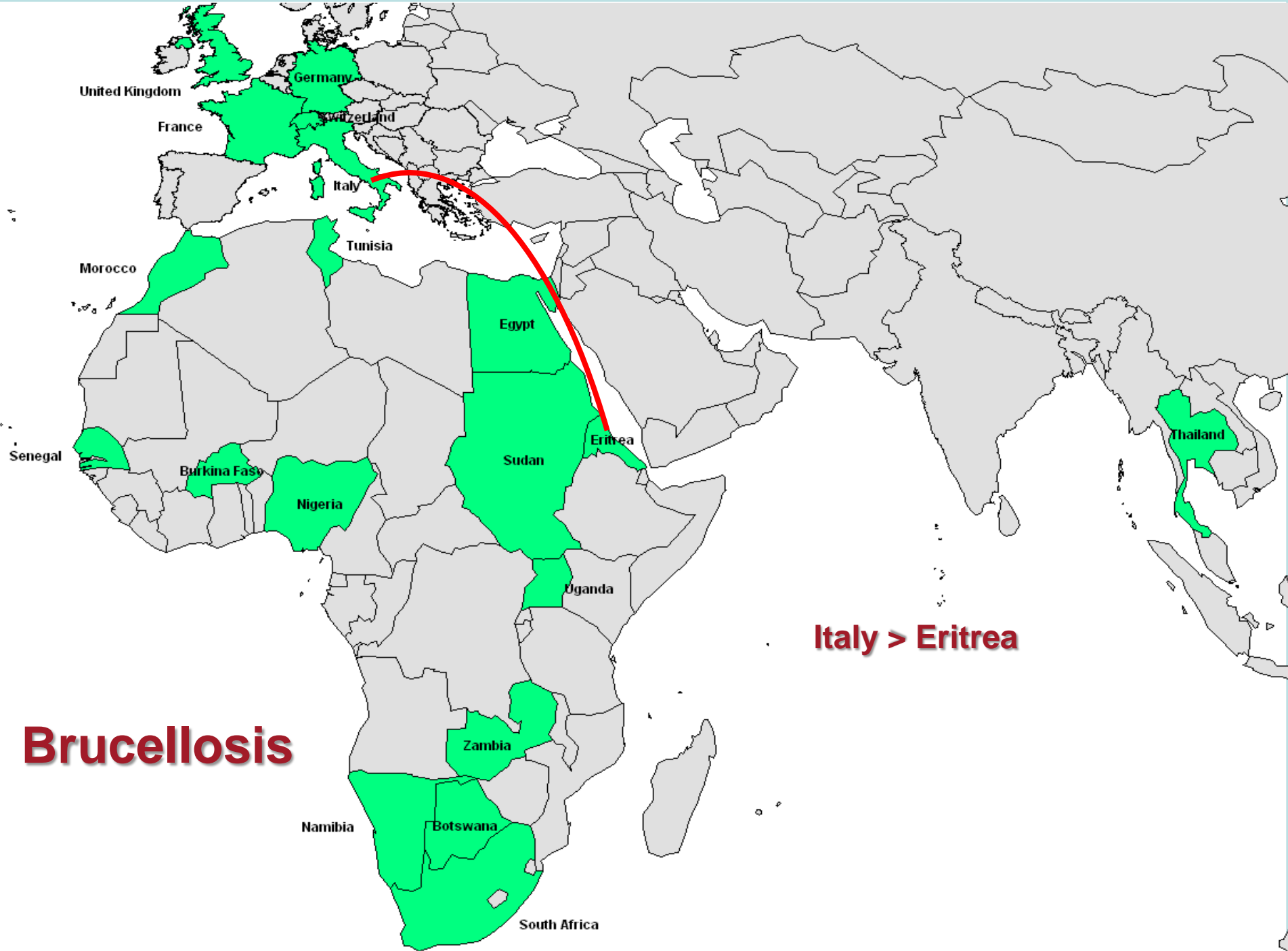


UK > South Africa

# Highly Pathogenic Avian Influenza

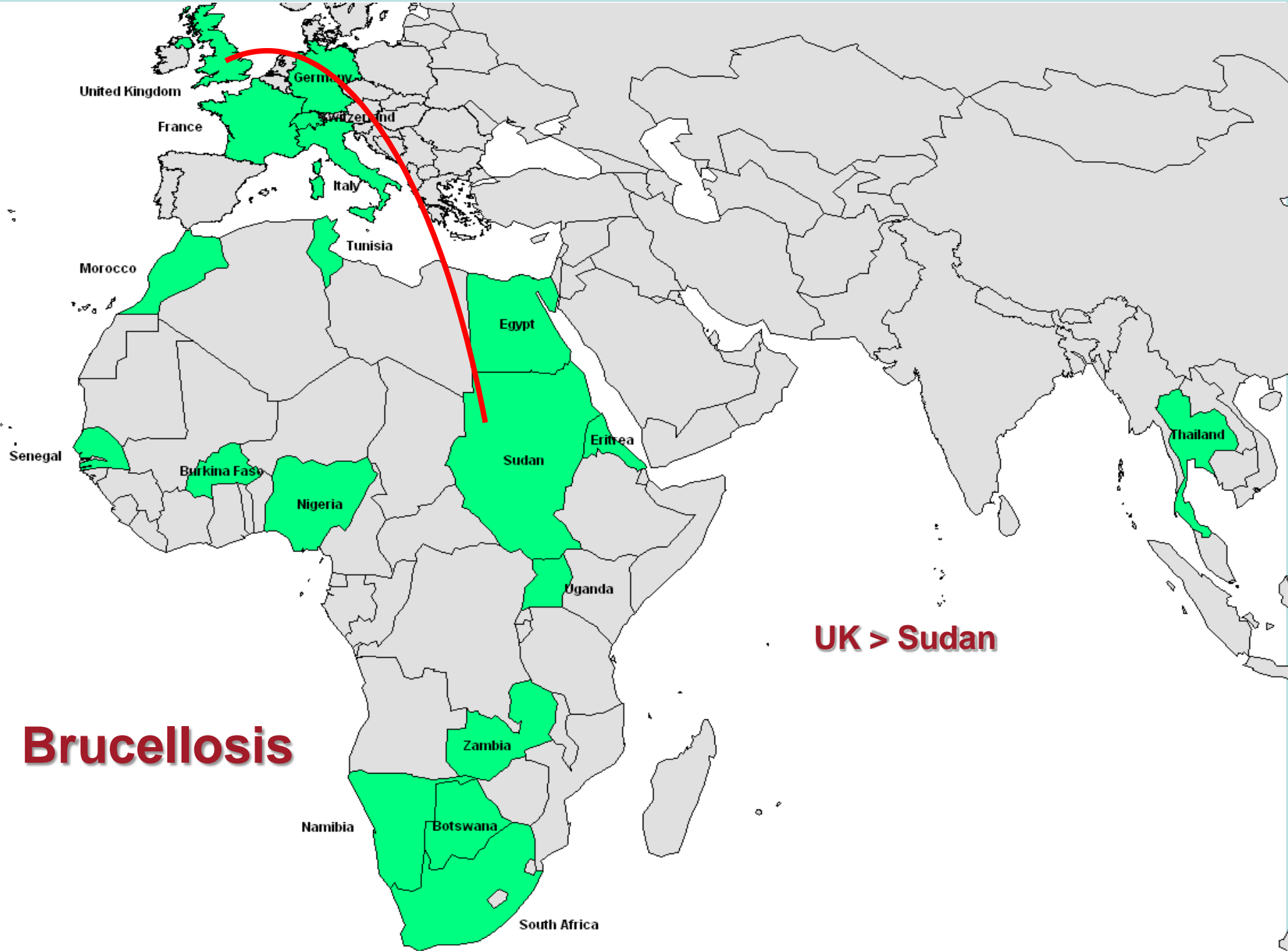


Germany > Egypt



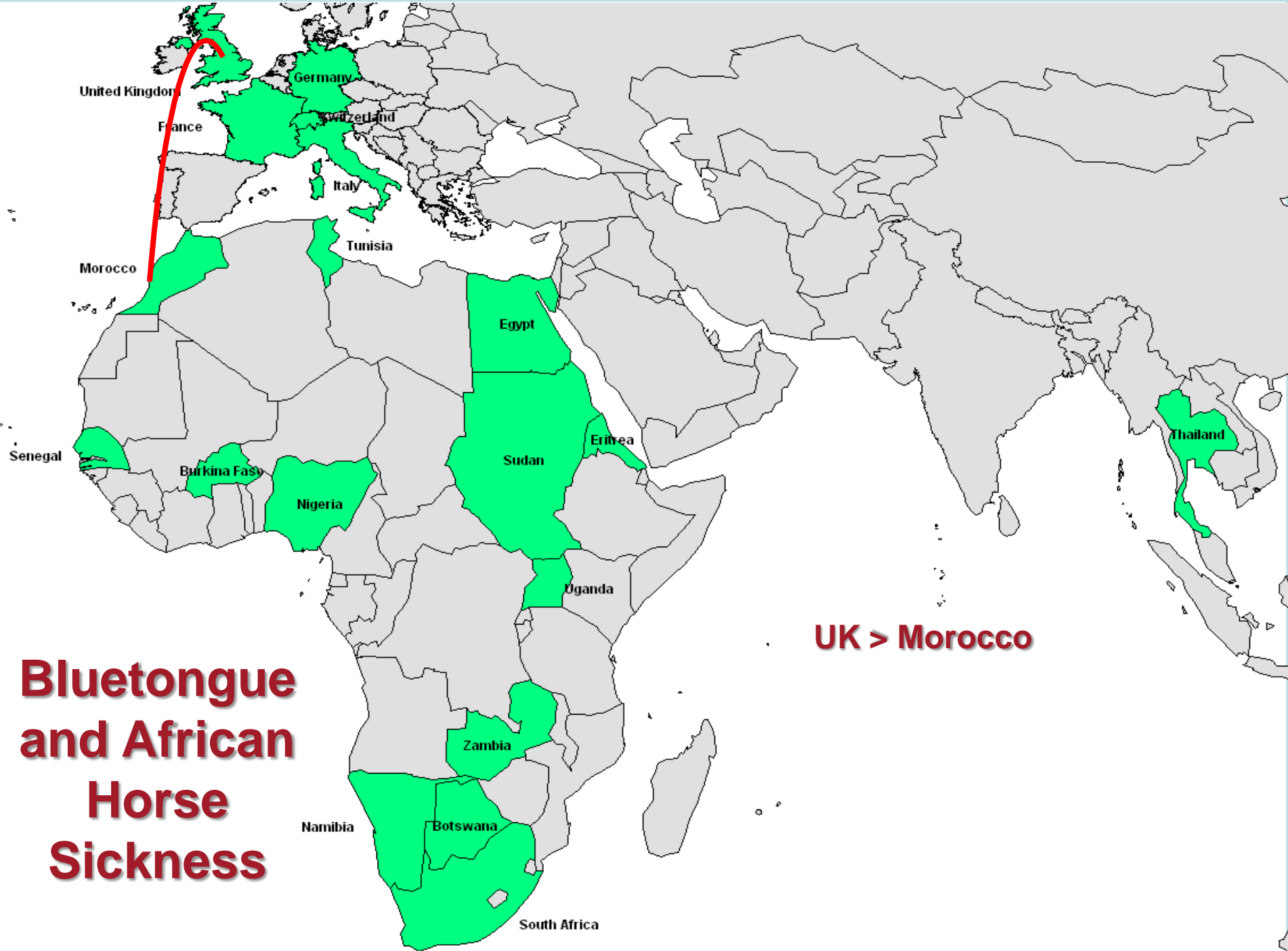
# Brucellosis

Italy > Eritrea



# Brucellosis

UK > Sudan



United Kingdom

France

Germany

Switzerland

Italy

Morocco

Tunisia

Egypt

Senegal

Burkina Faso

Nigeria

Sudan

Eritrea

Uganda

Zambia

Botswana

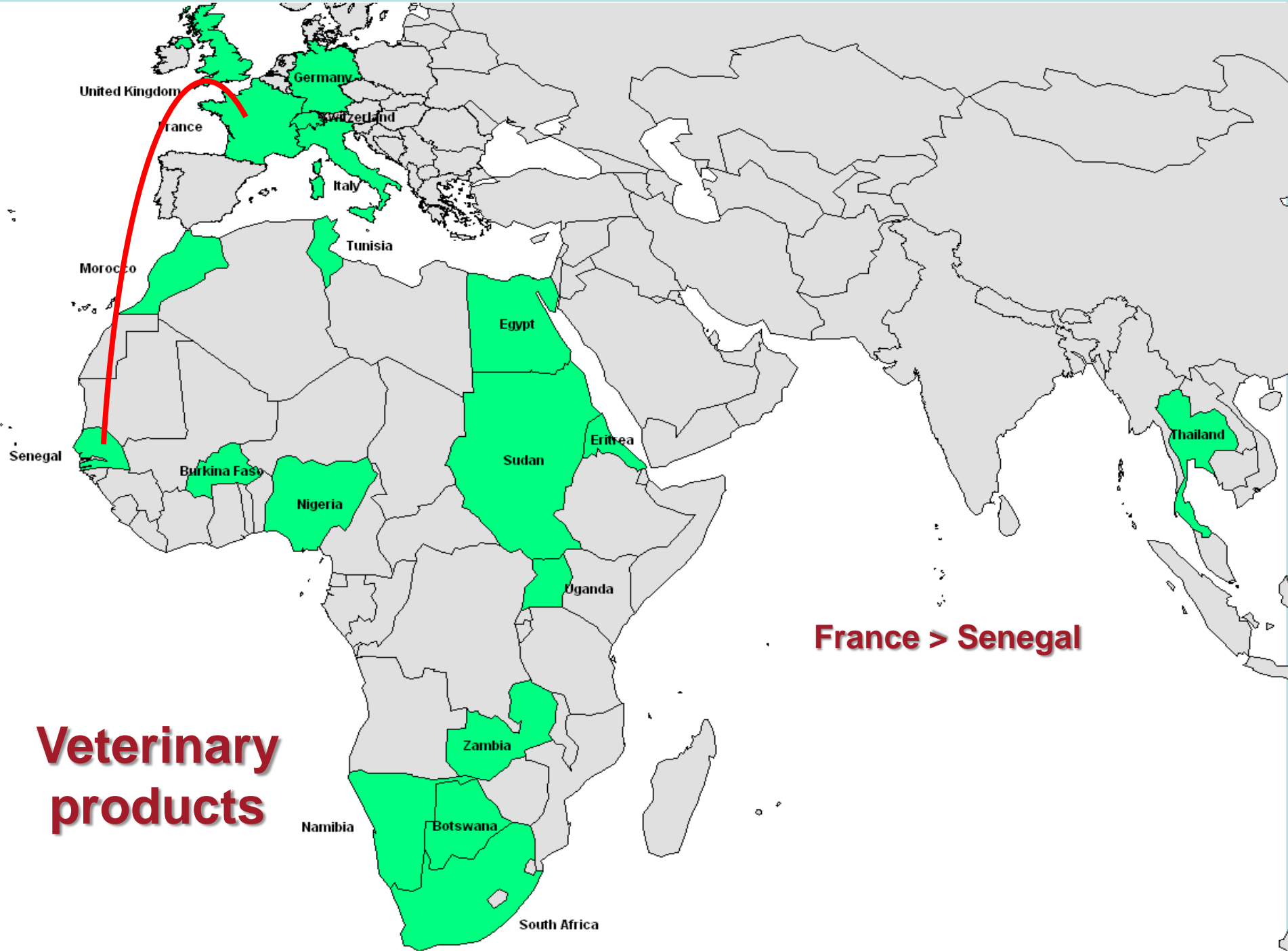
Namibia

South Africa

Thailand

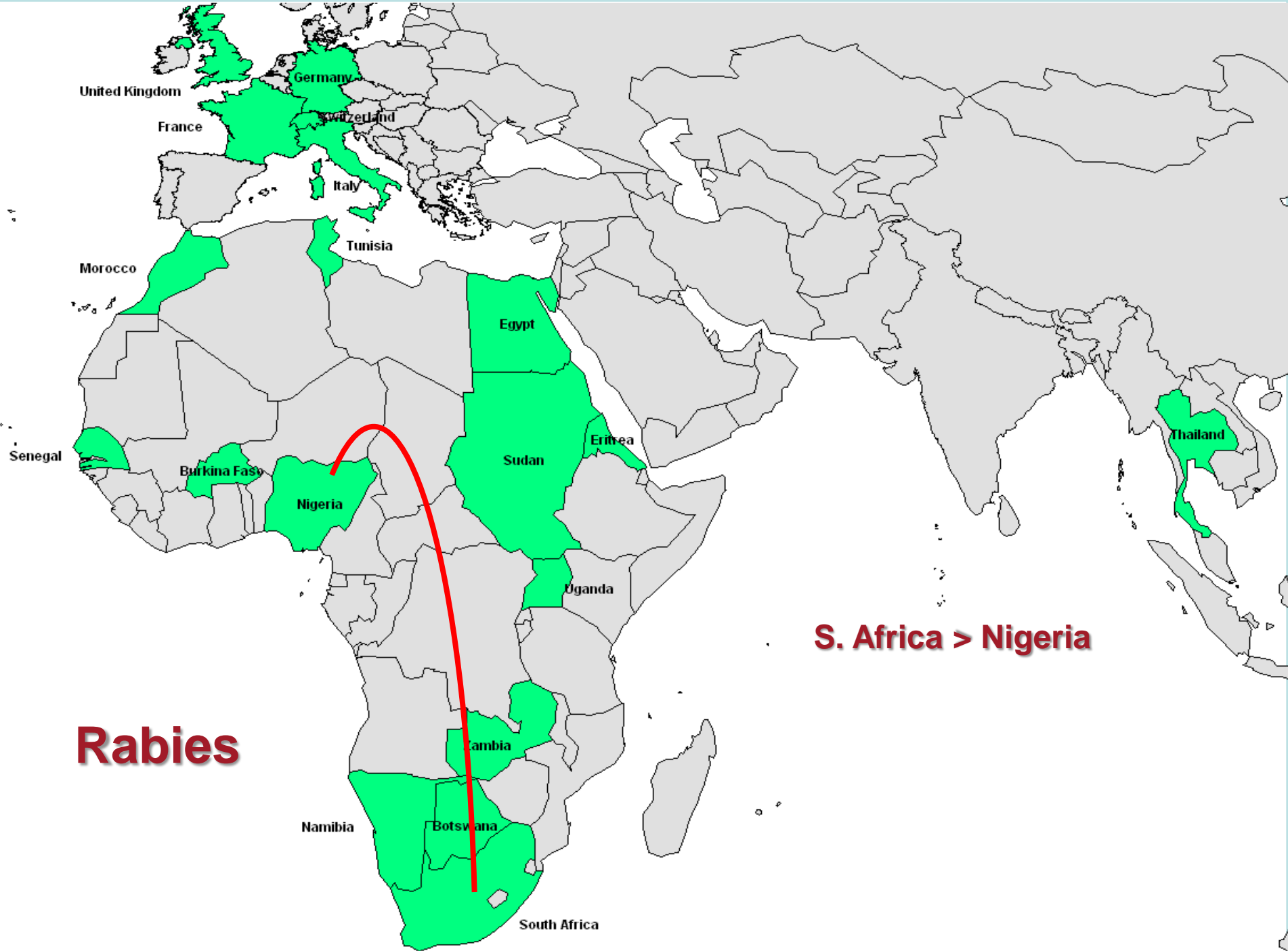
**Bluetongue  
and African  
Horse  
Sickness**

**UK > Morocco**



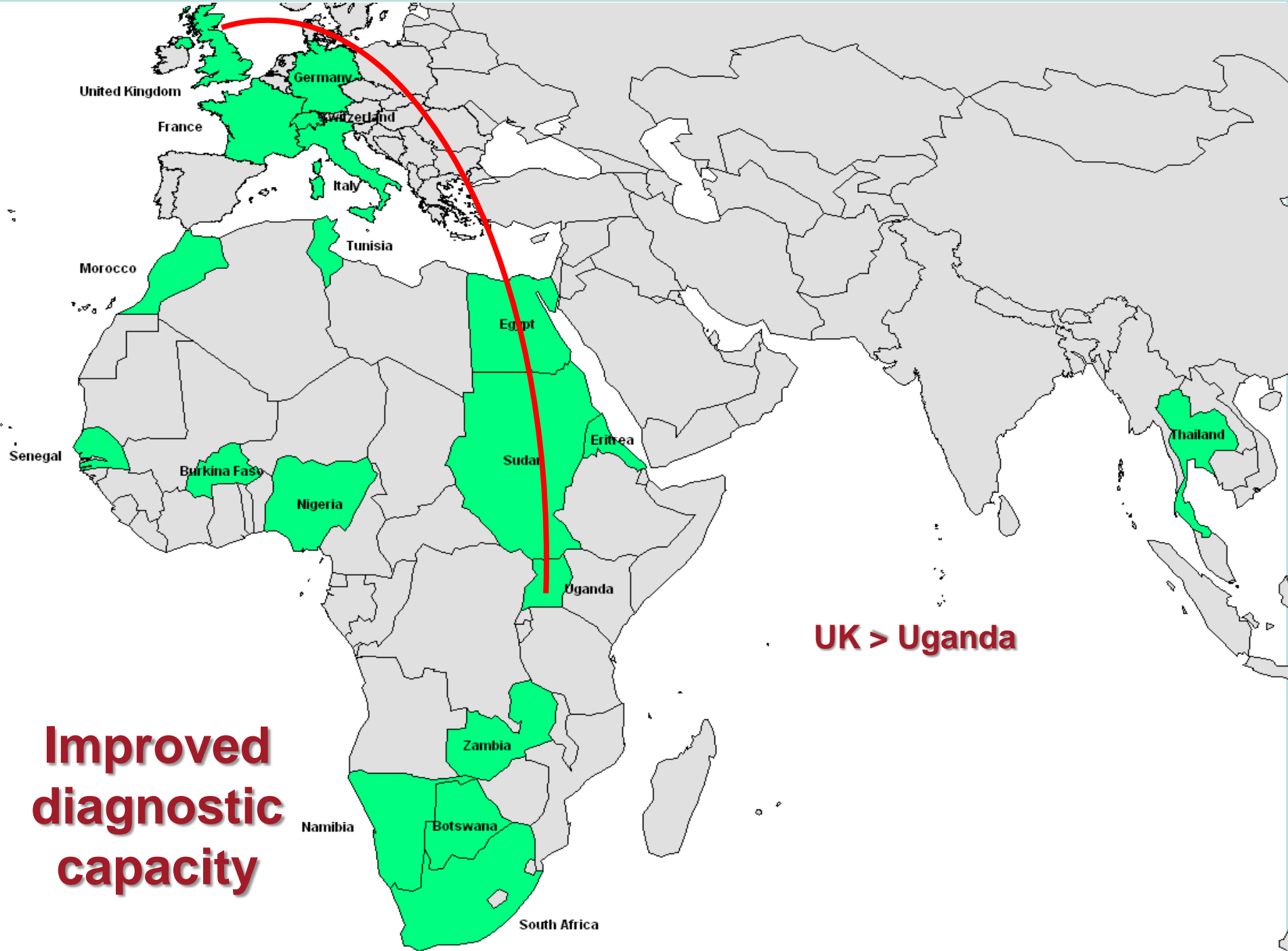
**Veterinary products**

**France > Senegal**



**Rabies**

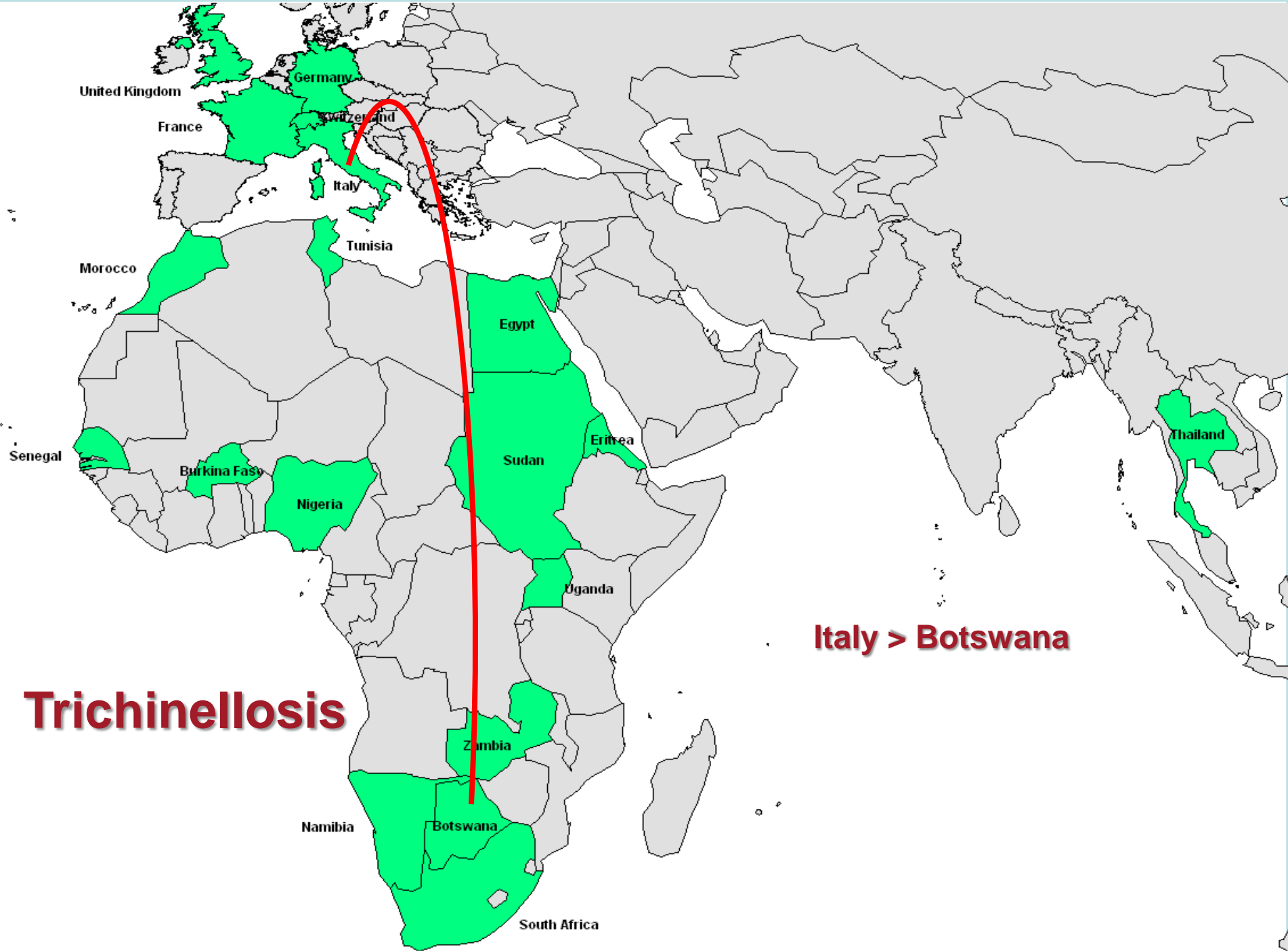
**S. Africa > Nigeria**



**Improved  
diagnostic  
capacity**

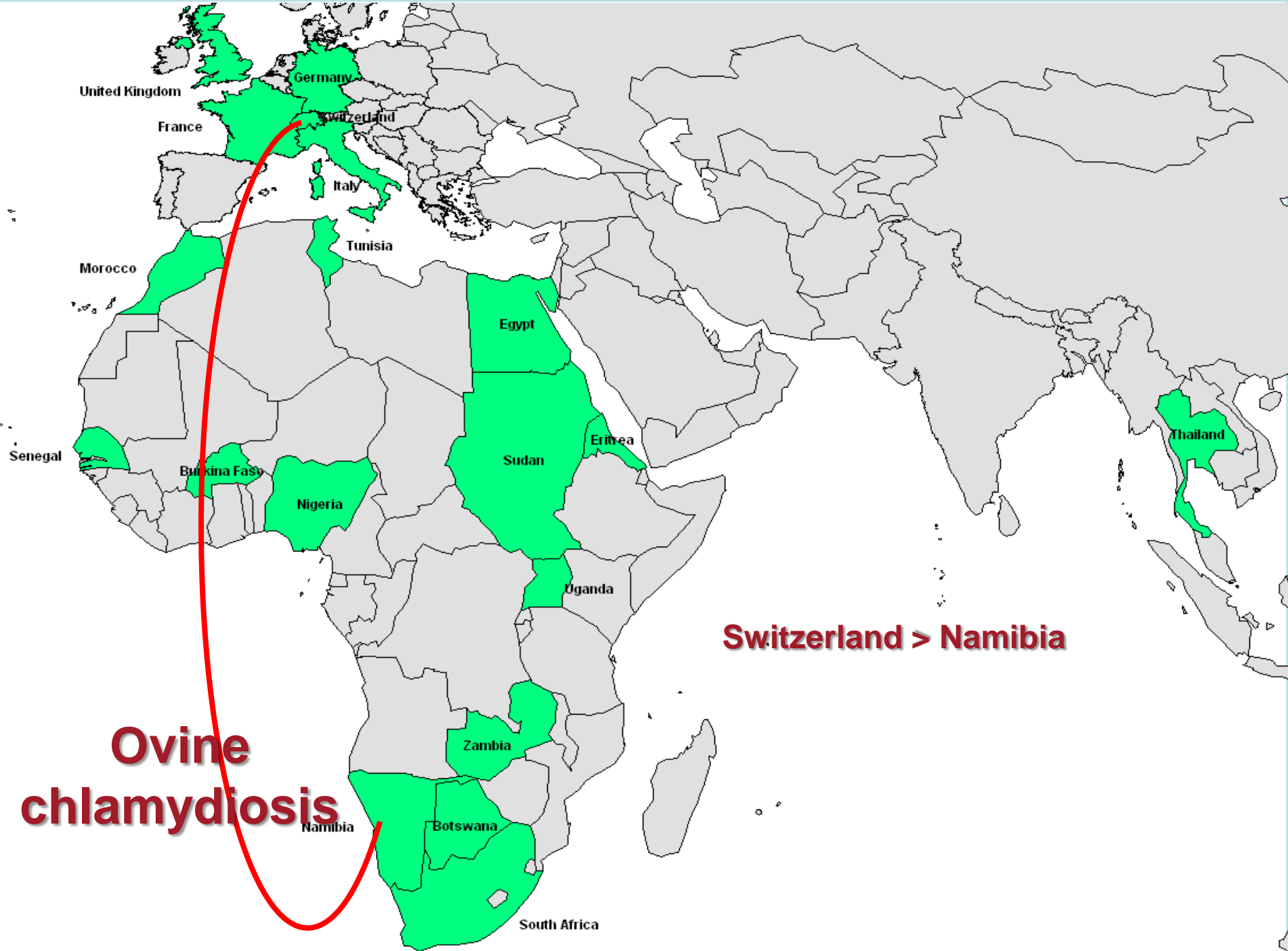
**UK > Uganda**

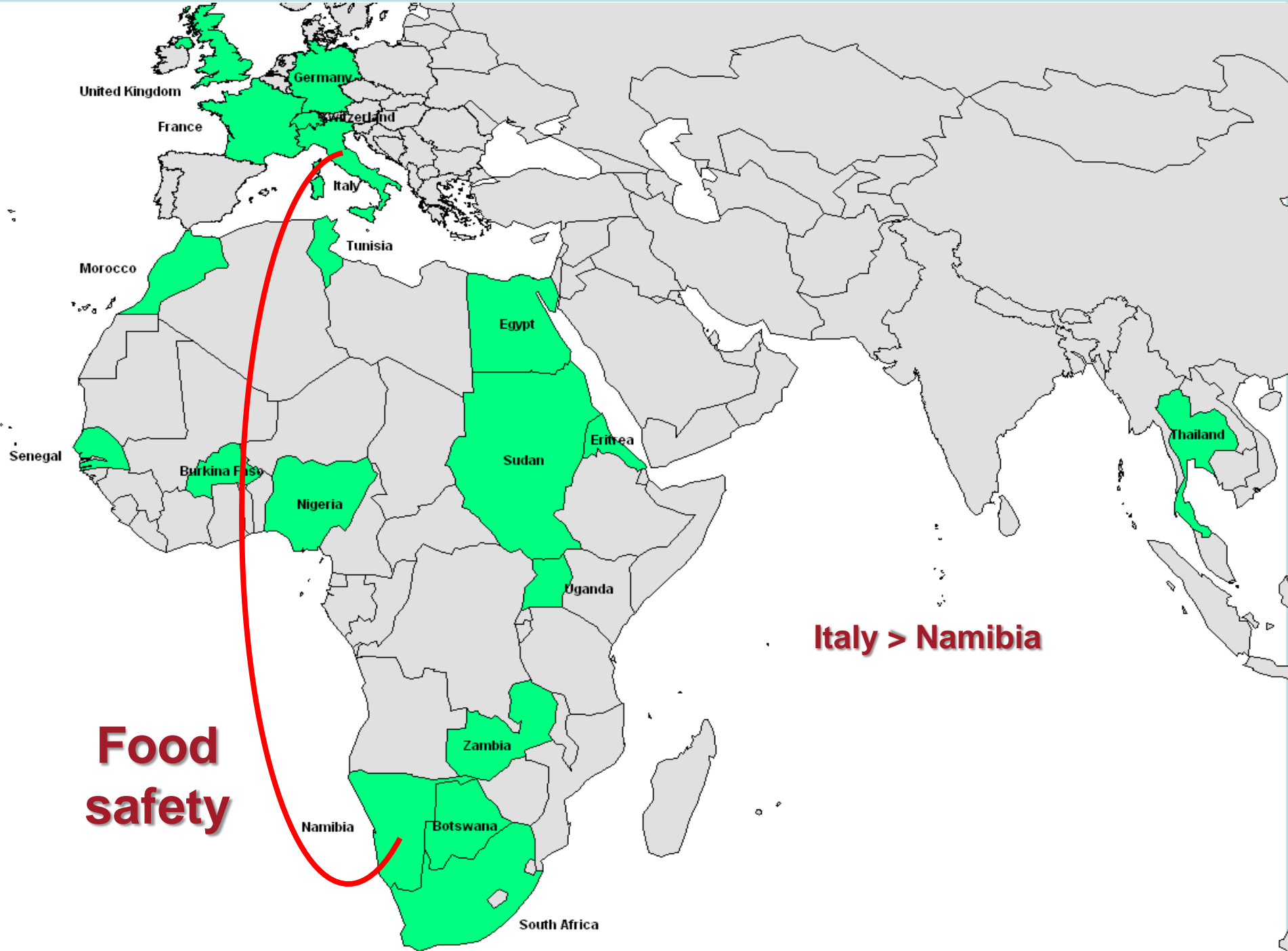




# Trichinellosis

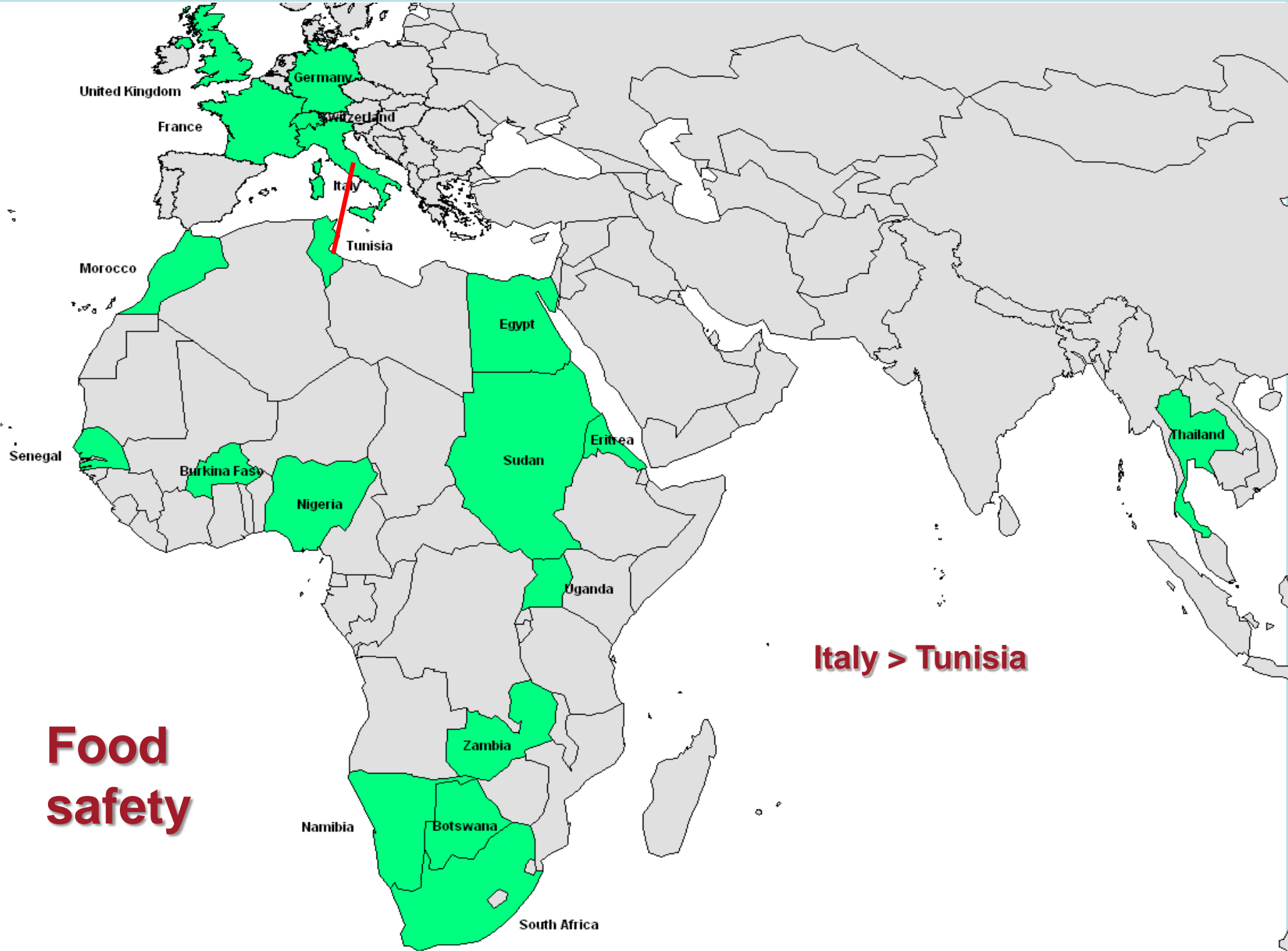
Italy > Botswana





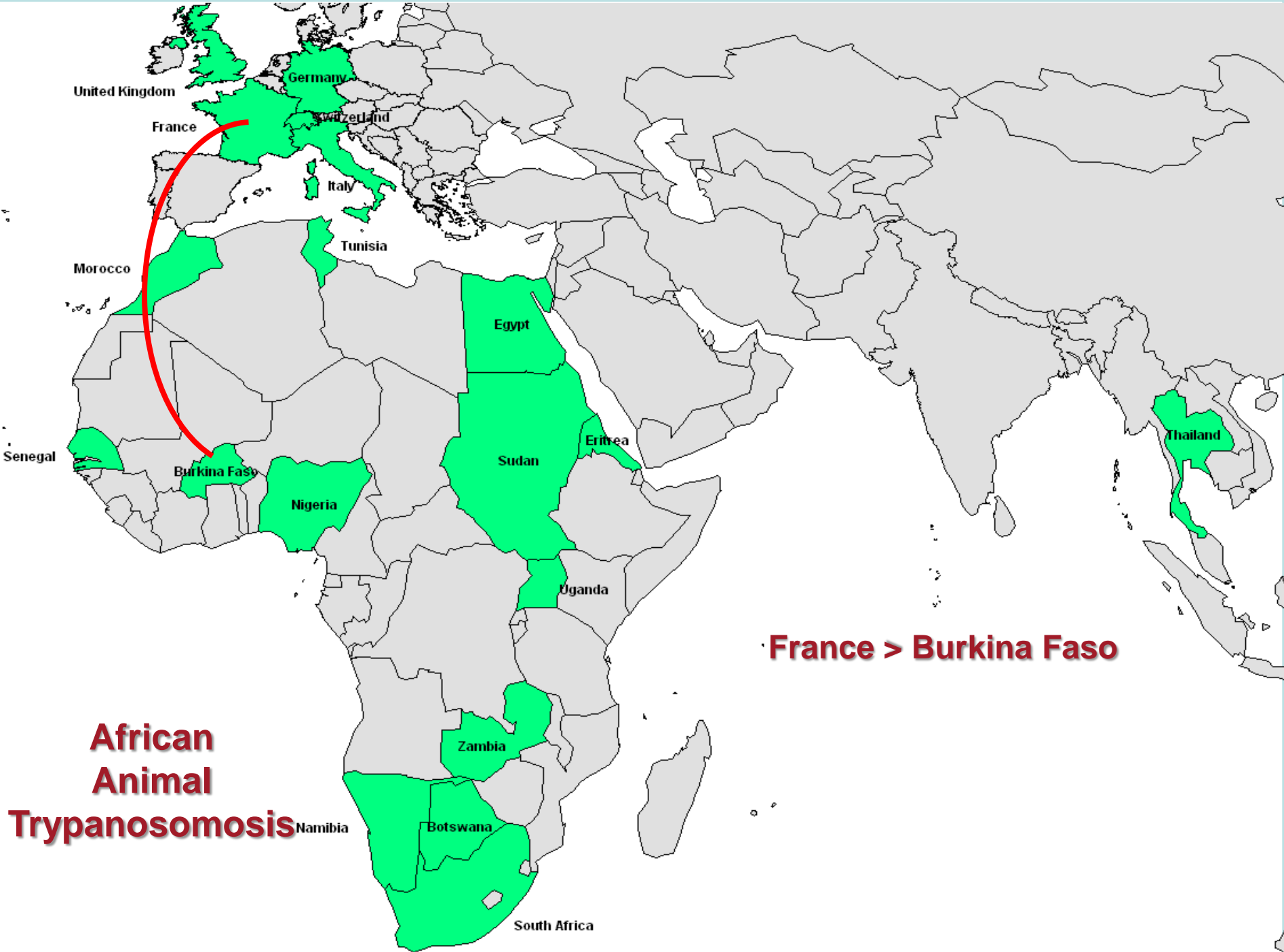
**Food  
safety**

**Italy > Namibia**



**Food  
safety**

**Italy > Tunisia**



**African  
Animal  
Trypanosomosis**

**France > Burkina Faso**

# OIE Laboratory Twinning Projects

(May 2011)

Completed projects or those that are underway by OIE region of Candidate Laboratory :

- Middle East (5)
- Americas (8)
- African region (18)
- Asia, Pacific (10)
- Europe (4)

# OIE Laboratory Twinning Projects

(May 2011)

- Avian influenza and Newcastle disease are the most popular topics for OIE laboratory twinning (7/29).
- Brucellosis (4/29), rabies (3/29), ASF and CSF (3/29), FMD (1/29), BT (2/29), epidemiology (1/29), veterinary medicinal products (1//29), food safety (1/29), diagnostic capacity (1/29)...
- Aquatic animal diseases are currently under-represented in the OIE Twinning Programme.
  - Only one of the projects is for an aquatic animal disease.

# Conclusions

- Countries in all 5 OIE regions are benefiting from OIE Laboratory Twinning Projects.
- Most beneficiary Candidate Laboratories are in regions with the **lowest density of OIE Reference Laboratories.**
- OIE Laboratory Twinning is **addressing the current bias** in the geographical distribution of OIE Reference Laboratories.
- Greatest contribution to OIE Laboratory Twinning is being made by OIE Reference Laboratories in the European region



# Conclusions

- Avian influenza and Newcastle disease are the most popular topics for OIE Laboratory Twinning.
  - This trend is changing as other priority diseases are addressed.
- There are currently **no OIE Twinning Projects underway for some priority diseases such as Rift Valley fever.**
- Aquatic animal diseases are currently under-represented in the OIE Twinning Programme.

# The way forward

- Once each project is over :
  - ✓ Benefits need to be sustained.
  - ✓ Candidate needs to actively engage with international scientific community.
- Audit of individual projects.
- Assessment of overall programme.
- Listen to feed back.

# Twining Guide and Project template/Contract

<http://www.oie.int/>

Support to OIE members	Animal health in the World	International Standard Setting
<b>Overview</b>		
<b>World Fund Governance</b>		
Introduction	The Management Committee	
The Advisory Committee	Donors	
Evaluation		
<b>PVS Pathway</b>		
<b>PVS evaluations</b>		
OIE PVS Tool	Status of missions	
PVS Evaluation Reports	PVS Follow-up Reports	
<b>PVS Gap Analysis</b>		
PVS Gap analysis tool	Status of Missions	
PVS Gap Analysis Reports		
<b>Laboratory Twining</b>		
<b>Vaccine bank</b>		
<b>Global studies</b>		
Cost of National Prevention Systems	Global Animal Health Initiative	
	Categorisation of Animal Diseases	
<b>Veterinary legislation</b>		
Veterinary Legislation Resources	Status of Missions	



# Thank you for your attention



The IDENTIFY Project is jointly implemented by FAO/OIE/WHO and is sponsored by the Emerging Pandemic Threats (EPT) Program of USAID.

