

# EAGLESON INSTITUTE

## **Biological Safety Cabinet Training for African Countries at Eagleson Institute - USA**



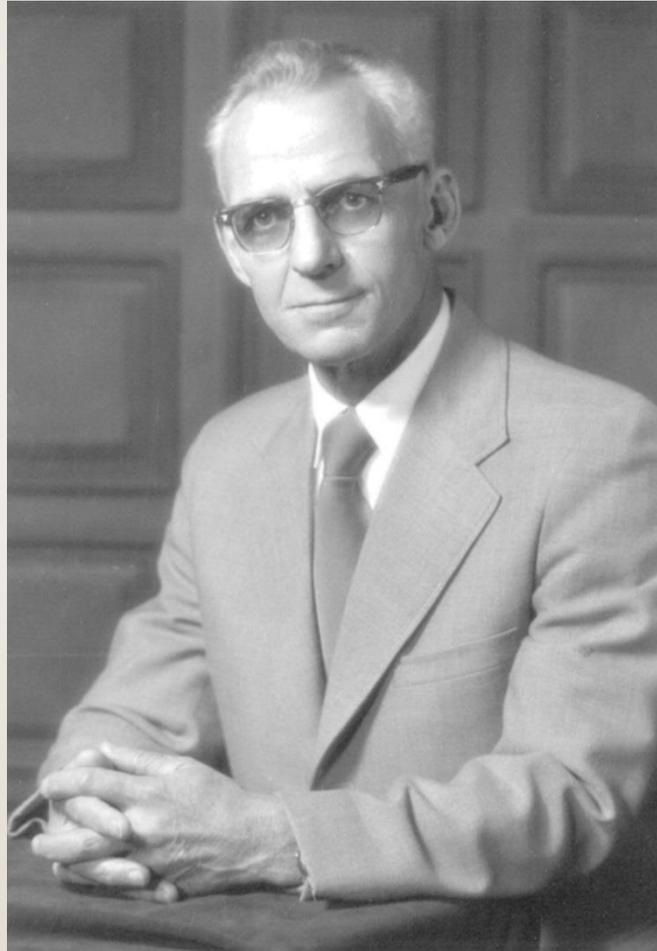
# Eagleson Institute

Nonprofit educational organization with a mission to globally promote the principles and practices of health and safety in the life sciences community



# Eagleson Institute

Founded in 1989 in memory of Jack Eagleson





# Global Certification Training

- 2000-2004: Peru
- 2006-Present: Former Soviet Union Countries
- 2010-Present: PEPFAR Countries



# Class II Biological Safety Cabinets (BSCs)

Provide three types of protection

- laboratory workers from infections
- products from contamination
- the environment



# Biological Safety Cabinets

- Must be certified (tested) annually



# Certification Challenges in Africa

- Very few trained personnel
- BSCs come from all parts of the world
- BSCs built to different standards
- BSCs may not be working
- Need to figure out how they work, diagnose problems, and develop strategy for repairing
- Difficult to obtain parts
- May need to decontaminate before repairing

# Global Certification Training

- Candidates selected by home country according to criteria provided by Eagleson Institute

# Global Certification Training

- Certification equipment purchased



# Global Certification Training

- Introductory two-week training program
- In-country practice with Eagleson support
- Advanced two-week training program

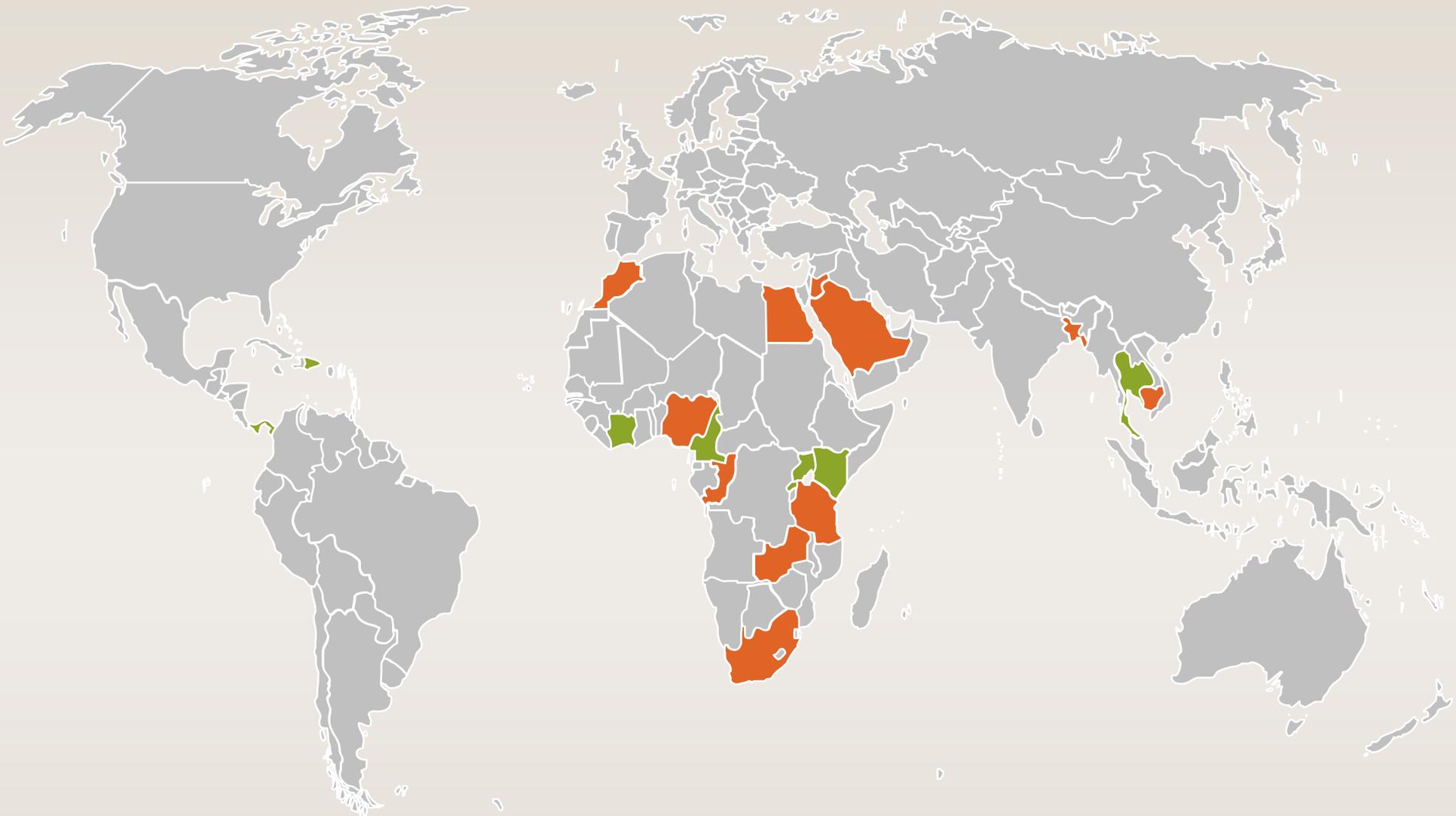


# Global Certification Training

- Eagleson instructor mentors and evaluates students in own or near-by country







**COMPLETED PROGRAM:** Panama, Dominican Republic, Cote d'Ivoire, Cameroon, Rwanda, Uganda, Kenya, Thailand  
**CURRENTLY IN PROGRAM:** Morocco, Nigeria, Congo, Zambia, South Africa, Tanzania, Kenya, Jordan, Cambodia, Japan, Egypt, Bangladesh, Saudi Arabia

# What is Needed Next?

## 1. Develop National BSC Certification Programs

- System for keeping track of BSCs and certification reports
- System for professional development and oversight of certifiers
- System for storing, transporting and calibrating certification equipment
- Budget for supplies; Time planned into work schedule



# What is Needed Next? (continued)

2. Expand Skills to Include Decontamination, Testing Related Ventilation Equipment, and Facility Maintenance



# Thank you!

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