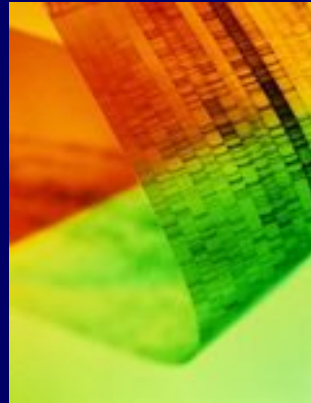


# NSABB Working Group on International Engagement



**Dr. Stuart Levy**  
**Co-Chair**  
**December 3, 2009**

# Roster

## November 2009



### *Voting Members*

- David R. Franz, DVM, Ph.D., Chair
- Stuart B. Levy, M.D., Co-Chair
- Murray L. Cohen, Ph.D., M.P.H., C.I.H.
- Lynn W. Enquist, Ph.D.
- Barry J. Erlick, Ph.D.
- Stanley M. Lemon, M.D.
- Harvey Rubin, M.D., Ph.D.
- Anne K. Vidaver, Ph.D.

### *Agency Representatives*

- Diane C. DiEuliis, Ph.D.
- Tom Hopkins, Ph.D.
- George Herrfurth
- Peter Jutro, Ph.D.
- Mary Mazanec, M.D., J.D.
- Robert Mikulak, Ph.D.
- Janet K.A. Nicholson, Ph.D.
- Polly R. Sager, Ph.D.

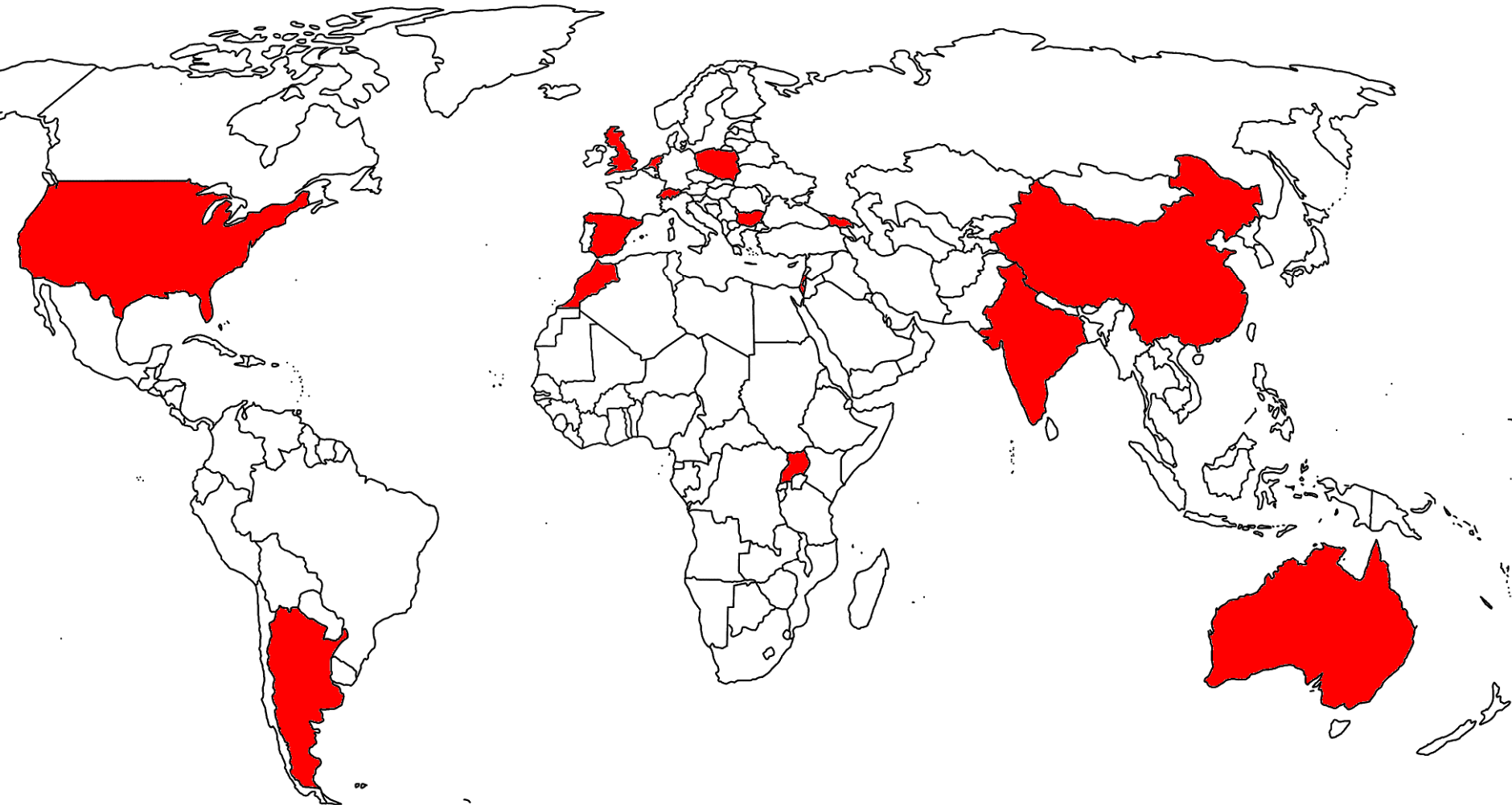
# Major Working Group Activities to Date

- **3 International Roundtables**
  - International Roundtable on Dual Use Life Sciences Research (*February 2007*)
  - Dual Use Issues in Life Sciences Research: A Roundtable on Strategies for Fostering International Engagement (*October 2007*)
  - Sustaining Progress in the Life Sciences: Strategies for Managing Dual Use Research of Concern (*November 2008*)
- **Pilot Webinar in the Americas**
  - Dual Use Concerns in Life Sciences Research: An International Dialogue (*October 2009*)



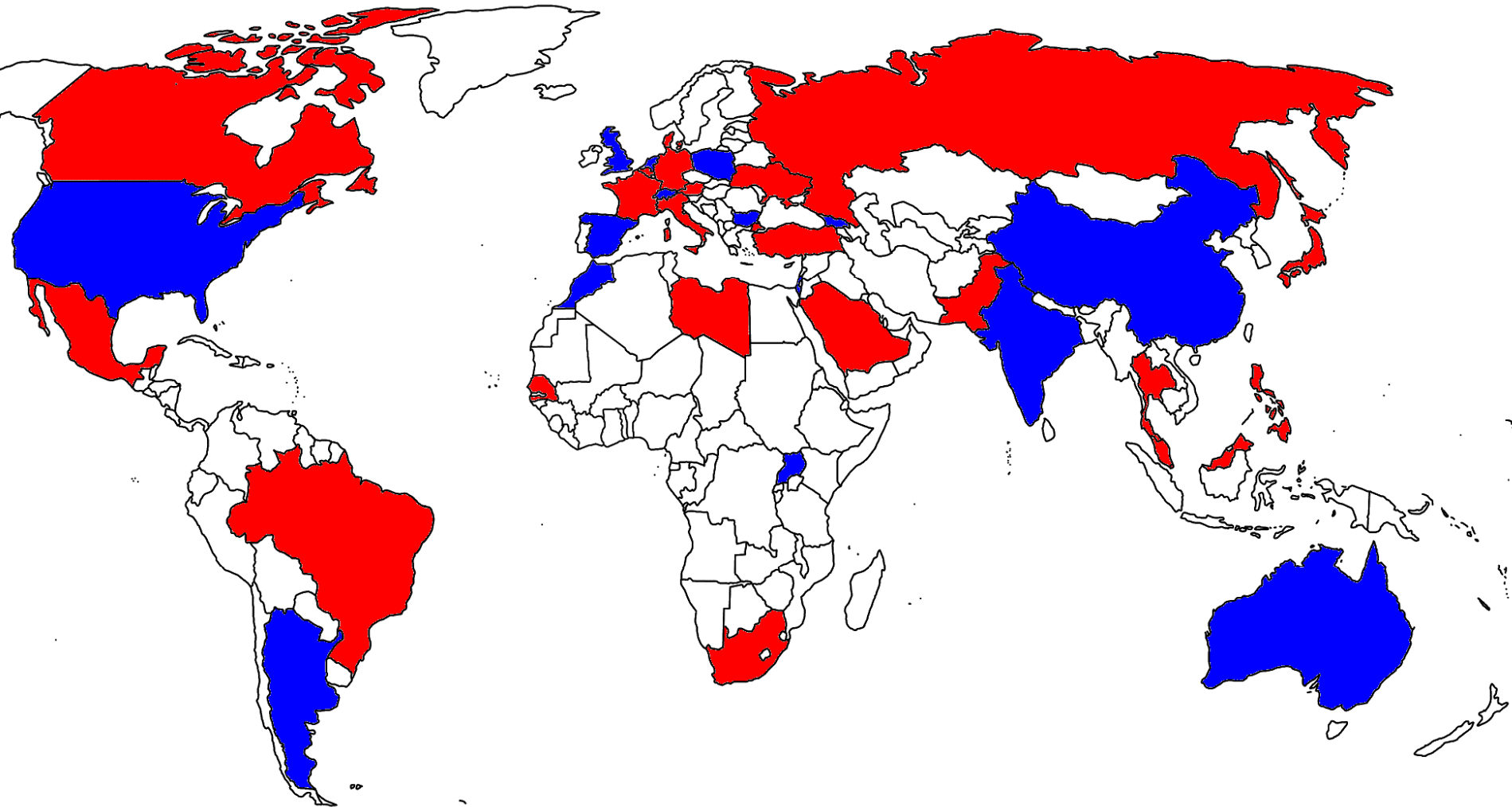
# Geographic Distribution of International Engagement

(After 1<sup>st</sup> Roundtable)

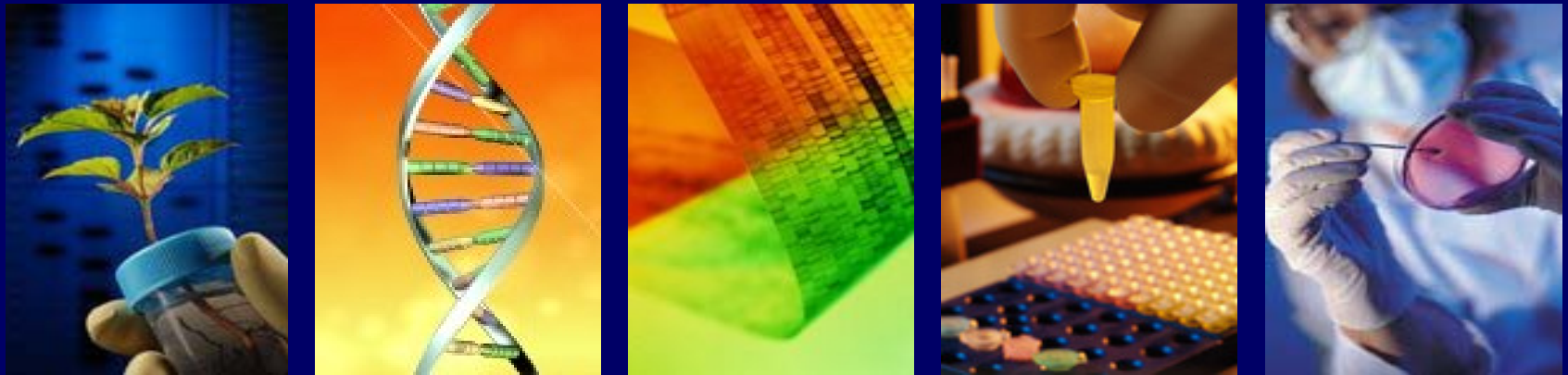


# Geographic Distribution of International Engagement

(After 3<sup>rd</sup> Roundtable)



# Dual Use Concerns in Life Sciences Research: An International Dialogue



**Pilot Webinar in the Americas  
October 22, 2009**

# Webinar Objectives

- Foster international dialogue on issues related to dual use research and dual use research of concern
- Expand the global network of those engaged in this area
- Pilot Webinar
  - Test feasibility of Webinar/Videocast technology as an outreach vehicle for DUR
  - If the pilot is successful, engage with global participants region-by-region



# Dual Webinar/Videocast

- **Concurrent English and Spanish language versions with captioning**
- **Target participants**
  - Americas region
  - Viewed videocast of proceedings
  - Submitted questions/comments to the panel via email
- **Observers around the world invited to view proceedings**





# Invitees

- **Participants:**  
**Recommendations from**

- IWG members
- APUA
- Previous RT participants
- National Academies
- WHO
- ICSU
- Fogarty International Center, NIH
- ASM Ambassadors
- BWC Representatives
- US Department of State

- **Observers**

- PAHO
- NSABB listserv
- ABSA
- UNESCO
- GHSAG Laboratory Members
- WHO
- Scientific Unions
- National Academies
- OIE
- BWC Representatives



# Invitees (cont.)

- **South America, Central America, Caribbean, Mexico and Canada**
- **Professional expertise**
  - Life sciences
  - Microbiology
  - Emerging infectious disease
  - Phytopathology
  - Animal health
  - Agriculture
  - Biosafety/biosecurity
  - Bioethics
  - Responsible Conduct of Research
  - Government/policy



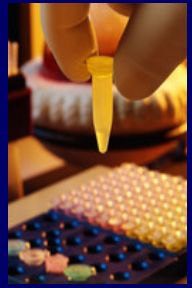
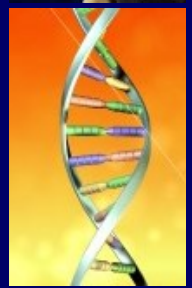
# Preparations

- **Two test-runs: September and October 2009**
- **Multiple technologies used in test-runs**
  - Trial with complex Webinar technology
- **Domestic and international “testers”**
- **Led to modifications in technology used for final event**



# Panelists

- **Luis Gabriel Cuervo, M.D.**
  - Senior Advisor  
Research Promotion and Development  
Area of Technology Health Care & Research  
Pan American Health Organization
- **David Franz, D.V.M., Ph.D.**
  - Chair, NSABB Working Group on International Engagement
- **Dennis Kasper, M.D.**
  - Chair, NSABB
- **Stuart Levy, M.D.**
  - Co-Chair, NSABB Working Group on International Engagement
- **Amy Patterson, M.D.**
  - Acting Associate Director for Science Policy, NIH



# Program

## ■ Presentations

- What is “dual use research” and “dual use research of concern”?
- How can risks associated with “dual use research of concern” be meaningfully assessed?
- What strategies for managing and/or addressing these risks have been proposed or implemented?
- What is being done to strengthen research governance in the Americas?

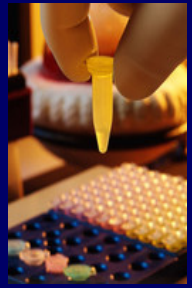
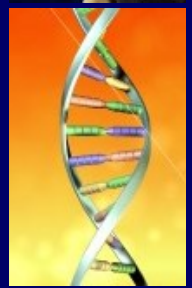
## ■ Question/Answer/Comment Session

- 7 questions from 5 countries



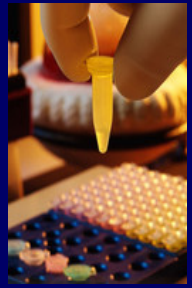
# Total Viewers (Participants & Observers)

Country	Number of Participants (English)	Number of Participants (Spanish)	Total
<b>AMERICAS</b>	<b>124</b>	<b>42</b>	<b>166</b>
Argentina	4	5	9
Chile	2	4	6
Costa Rica	1	1	2
Mexico	1	1	2
Panama	1	1	2
Paraguay	1	1	2
Peru	3	2	5
Puerto Rico		1	1
United States	111	26	137
<b>OTHER</b>	<b>10</b>	<b>7</b>	<b>17</b>
New Zealand	1		1
Sweden	1		1
United Kingdom	1		1
Unknown	7	7	14
<b>TOTAL</b>	<b>134</b>	<b>49</b>	<b>183</b>



# Follow-up Email

- **28 follow-up emails from participants**
- **9 countries**
  - Argentina
  - Chile
  - Costa Rica
  - Mexico
  - Panama
  - Paraguay
  - Peru
  - Puerto Rico
  - United States



# Evaluation

- **Successful Webinar/Videocast pilot**
  - Capable to reach the international community in two languages
  - Discrete Webinar portion: only those invited to submit questions and comments were able to communicate with the panel through dedicated Email
  - Targeted those with no knowledge of DUR (didactic session with lively Q&A session)
  - Able to receive questions in two languages and respond to questions/comments expeditiously
  - Importance of PAHO involvement





# Follow-up

- **Follow-up**
  - Advertise availability of videocast online
  - Utilize DVDs for training and at exhibits
- **Archived videocast and other information available online:**  
<http://oba.od.nih.gov/biosecurity/internationalwebcast.html>

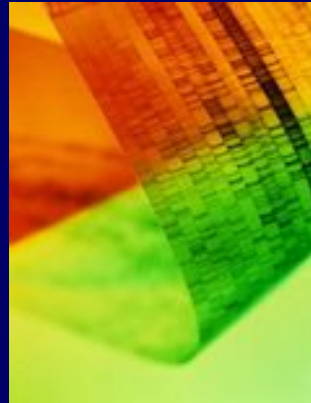




# Next Steps: Consider 2-3 Webinars in 2010

- **How to select future target regions?**
  - Region where NSABB has not had significant engagement
  - USG priority area (e.g., State Department, USG funding for life sciences research)
  - Level of scientific development
  - Logistical concerns
    - Time zones
    - Languages
- **Content for future webinars?**
  - Americas – “*DUR 101*” model?
  - More targeted and focused discussions by topic?

# Other Activities of Interest

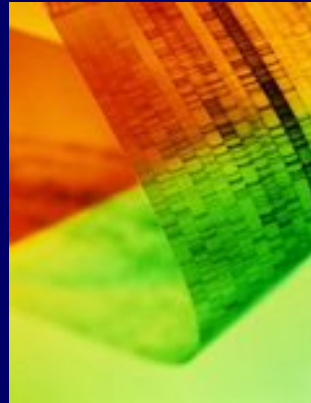
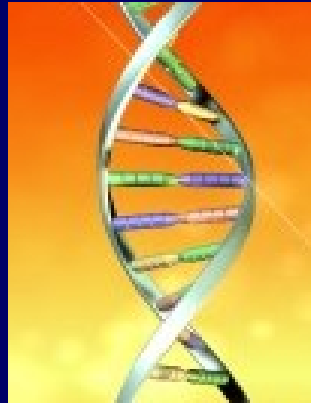




# Follow-up to 3<sup>rd</sup> International Roundtable

- Federation of American Scientists (FAS) International Biosecurity Listserv
- *Biosecurity and Bioterrorism* Article – summary of 3<sup>rd</sup> International Roundtable Country presentations
- Council of Science Editors statement on Dual Use Research
- Fogarty International Center/NIH Global Bioethics Network

# World Health Organization Activities



# Responsible life science research: some key messages

- Culture of scientific integrity and excellence are the best protection against accidents and potential misuse of life science research, and the best guarantees of progress and development
- Responsible management of life science research goes with increasing capacities in three areas: research; ethics and laboratory biosafety and laboratory biosecurity.
- No single solution or system will suit all countries or laboratories. Self-assessment questionnaire has been developed to identify and build on respective strengths and weaknesses in each of these three above areas

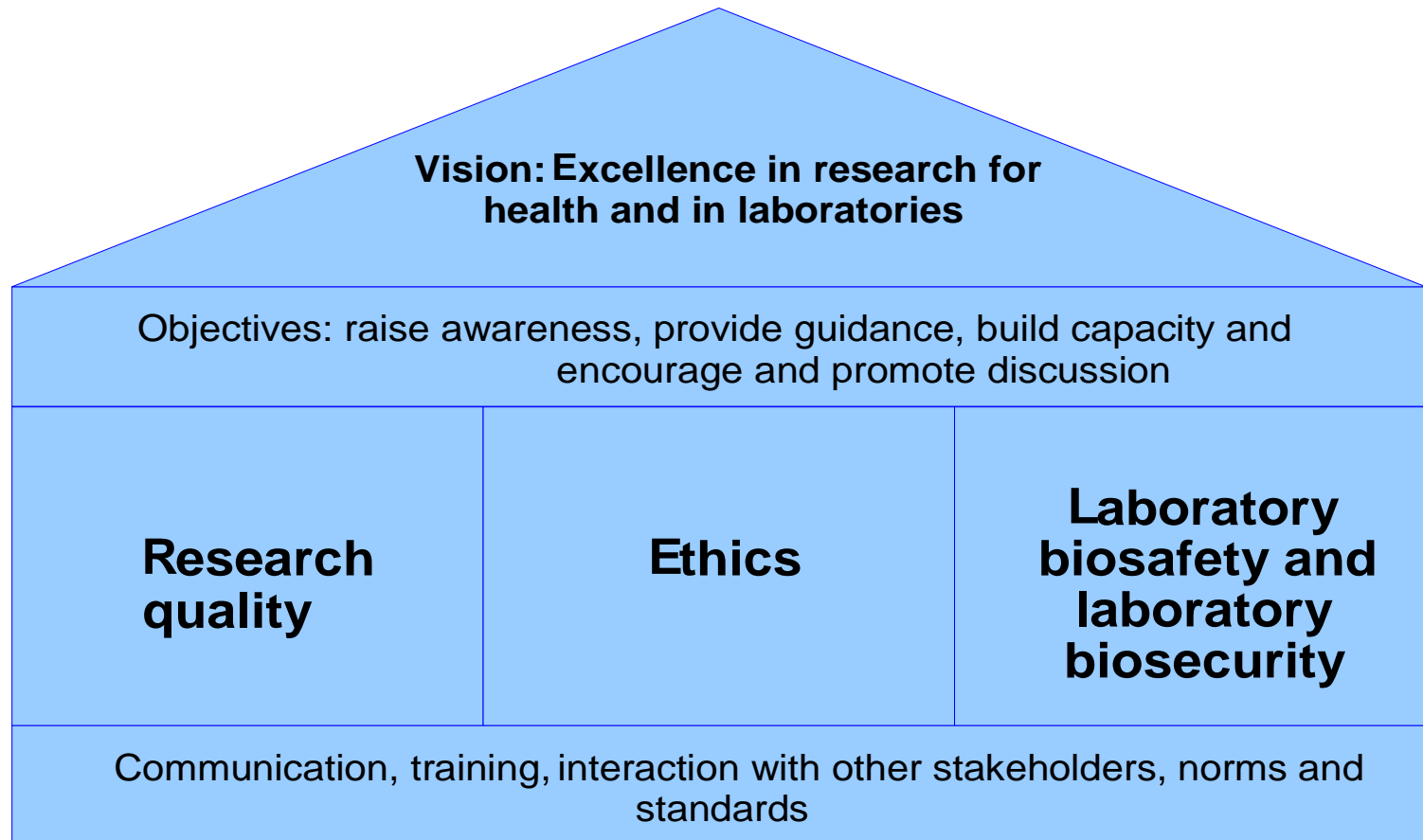
For further engagement:

Dr Emmanuelle Tuerlings, Biorisk Reduction for Dangerous Pathogens  
Department of Global Alert and Response, Health Security and Environment Cluster

[tuerlingse@who.int](mailto:tuerlingse@who.int)



# Responsible life science research: a public health approach



# Responsible life science research: Updates

## ● Main activities

- Many outreach activities (regional workshops, international conferences, online consultation, etc.) and scientific working group meetings
- Partnerships with laboratory biosafety and biosecurity, ethics and research policy and cooperation and with external experts
- 3 reports published (2005, 2006 and 2008)
- Guidance document "Responsible life science research and global health security" developed (2009 ongoing)

## ● Follow-up activities

- Plan to implement the self-assessment questionnaire (included in the guidance document) at the regional levels, targeting policy makers, laboratories and scientists.
- Compile a repository of trainings and contacts for research training, ethics and laboratory biosafety and laboratory biosecurity



# Geographic Distribution of International Engagement

(Current Countries Engaged)

