

Community of Practice Remote Sessions



PRESENTED BY

Renee Holland, Eric Cook, Rabia Khan & Alex Walser

FY 2026


Introductions and Attendance Tracking

1. In the chat, please type your name, country, and institution.
2. Please add where and when you completed your Trainer Development workshop (Cohort #).


Examples:



Eric Cook,
Sandia National Labs
Nairobi, Kenya
August, 2010



Renee Holland,
Sandia National Labs
Penang, Malaysia
June 2023



Rabia Khan,
Sandia National Labs
Addis Ababa, Ethiopia
2024

Group Photo

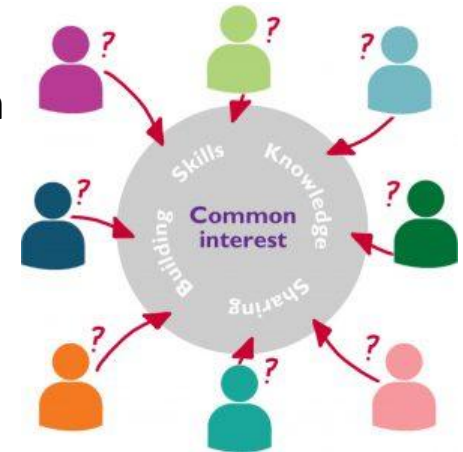


Community of Practice (CoP)

Goal: to enable RPHL's collective learning, knowledge sharing, and skill development by bringing together individuals to share success stories during institutional trainings.

Key Purposes:

- Coaching/mentoring from BRM experts
- Access and sharing of local BRM resources and tools
- Networking to create solutions in BRM within facility
- Trainers discuss their training in a panel discussion forum



Sustainability: Self-sustaining with the members of RPHL

2025-26 RPHL BWD Trainers Community of Practice

Building a Community of Practice

- Confident to share successes/constraints when planning and implementing a training workshop
- Navigate GBRMCNet resources and build individual training capacity
- Develop RPHL training repository of shared materials
- Share ways of customizing and supplementing the GBRMC and other customized materials

Sustainability

- Develop and prioritize goals and objectives
- Identify key training gaps and strengths
- Develop a sustainability plan

Request Teach Back Support

- Application Process
- Teach-Back Content
- Reporting Process

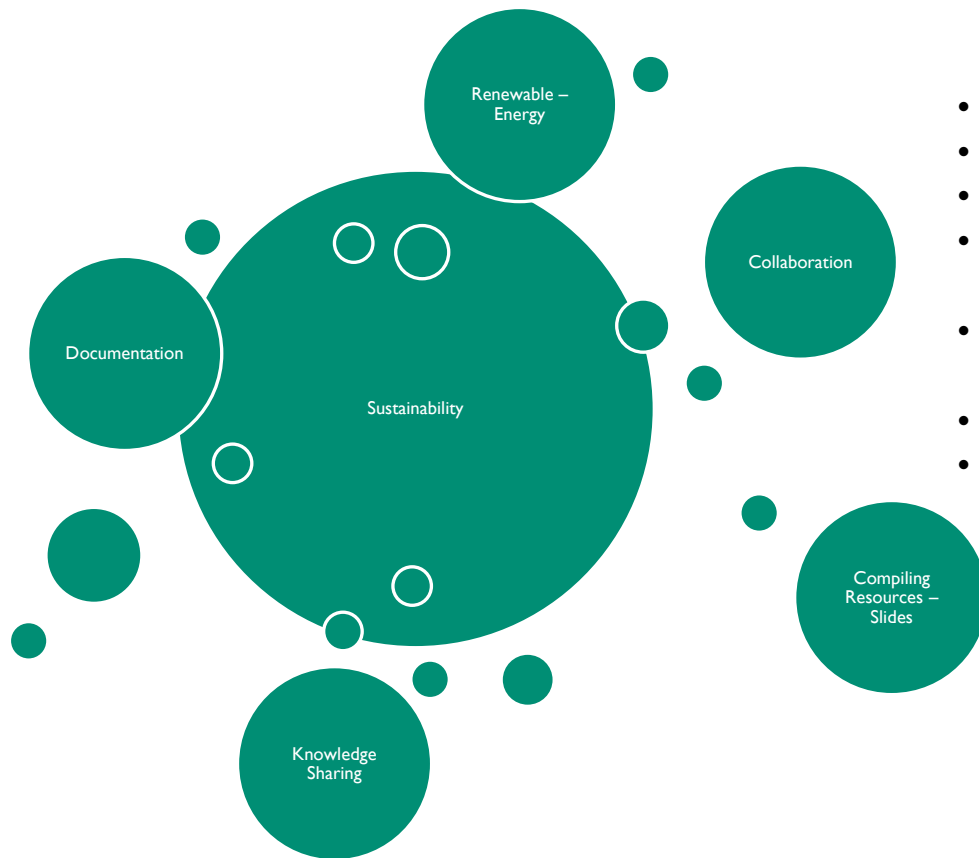


Community of Practice (CoP)

Think Map Activity

Using the “Chat” feature, please provide your ideas for sustainability:

- Brainstorming Together
- Fun & Engaging Activities
- Documentation of the Training Module
- Feedback from Participants for Improvements
- Long-Term Benefit and Networking
- Challenges – Discuss how to overcome



- Support
- Local Resource
- Funding
- Eco-friendly Technology
- Mentorship (SNL)/Support
- Benefit – Everyone
- Community Empowerment



RPHL Background



RPHL
Regional Public
Health Laboratory
Network

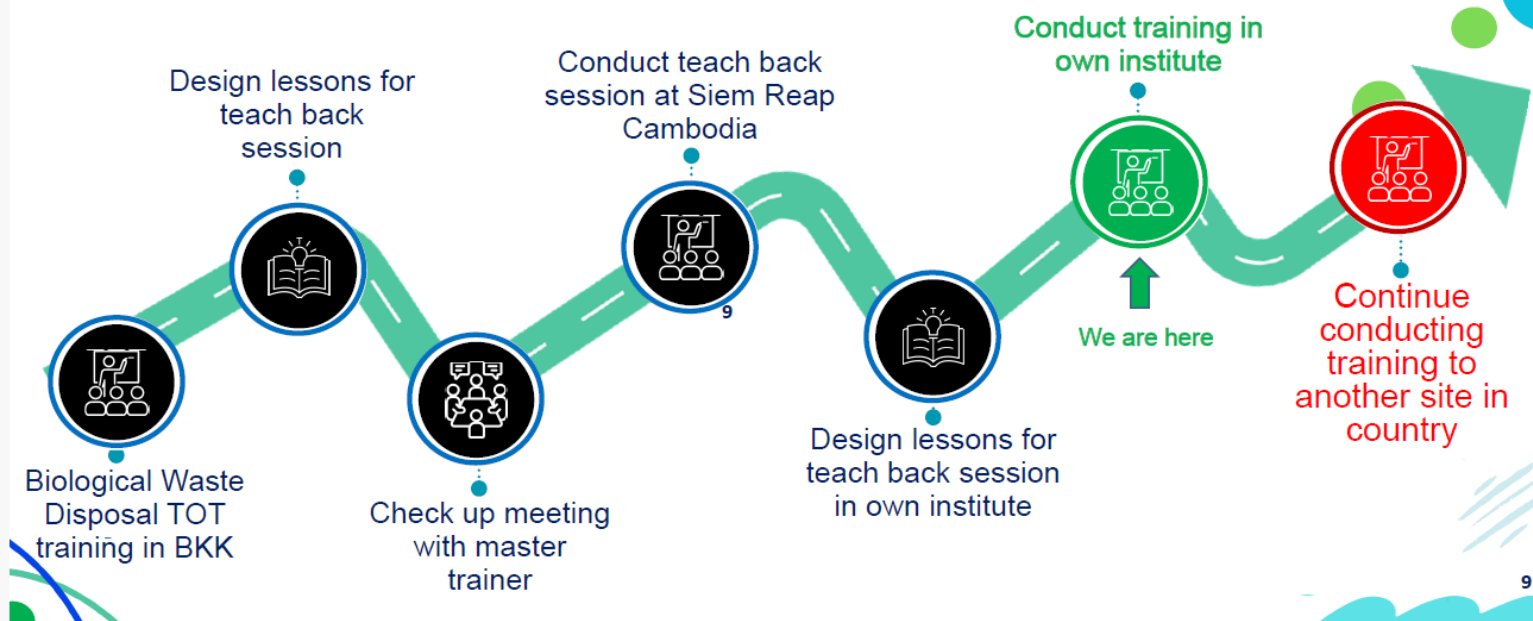
- RPHL Priorities:
 - Proper biological waste management in accordance to local regulations
 - Engaging instructional techniques to amplify learning outcomes

Cohort 1, 11 trained trainers by SNL

Cohort 2, 16 trained trainers by SNL



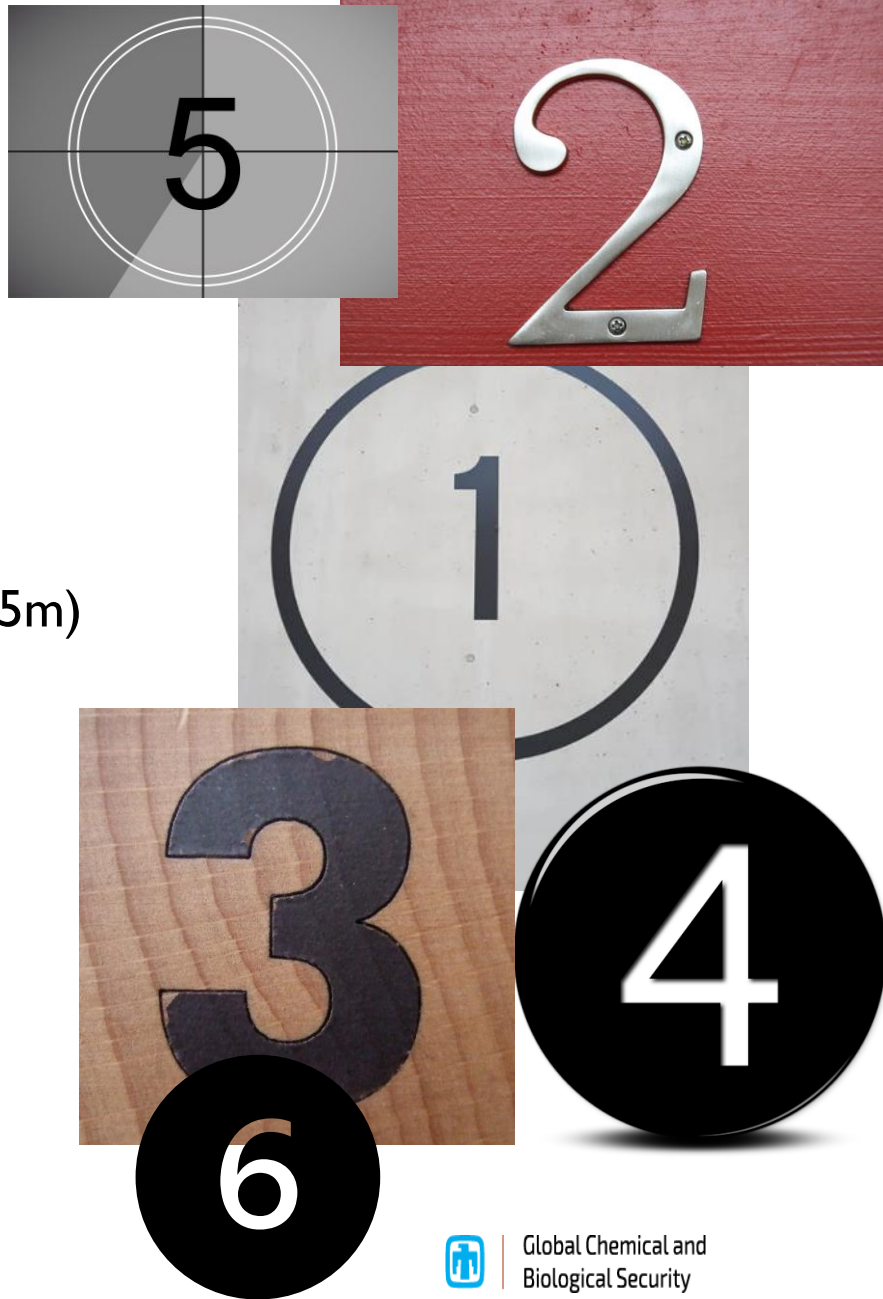
ROADMAP FOR BIOLOGICAL WASTE DISPOSAL TOT PROGRAM



*BWD Trainer Road Map – Developed by Cohort I: Team Cambodia
Keam Reaksmey, Phoeurn Sophea, and Sampheas Yuk*

Session Agenda

- Welcome – Program Overview (5m)
- Meet the Team (10)
- Ice Breaker Activity (5m)
- Community of Practice (15m)
- Sharing Successes & Lessons Learned (15m)
- Next Steps (5m)
- Questions (5m)



Session Agenda

- Welcome – Program Overview (5m)
- Ice Breaker Activity (5m)
- Community of Practice – Next Steps (RPHL & SNL - 15m)
- Sharing Successes & Lessons Learned (15m)
- Next Steps Institutional Teach-backs (5m)
- Questions (5m)



6

Ice Breaker

Select an “Avatar”, “Emoji” or “Background” that represents how you are feeling or something unique about you that can be shared with the group.



Session Agenda – Draft Future Sessions

Same Day, Time Monthly?

- Welcome – Program Overview (5m)
- Ice Breaker Activity (5m)
- Sharing Training Successes & Lessons Learned (15m)
- CoP Discussion Topic of Choice (15m)
- RPHL Report out on Recent Trainings Planned and/or Delivered (15m)
- Questions (5m)

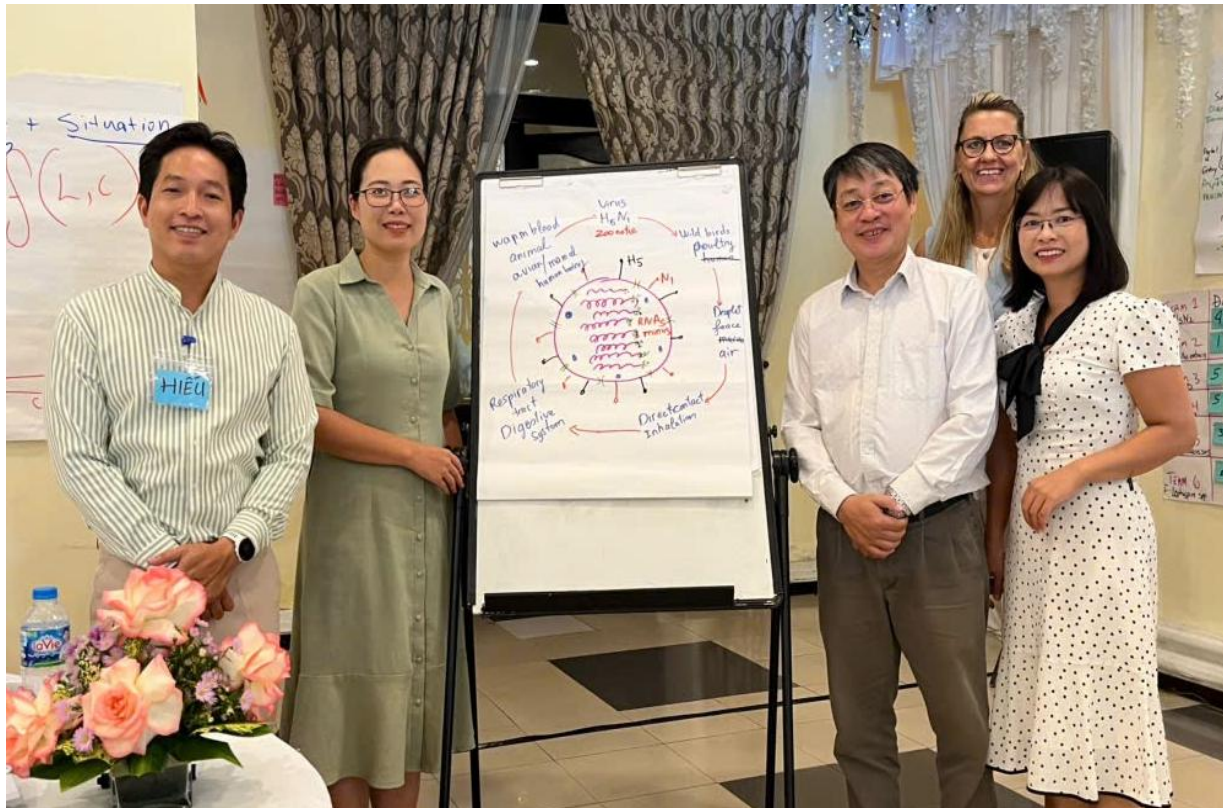
Meet the Team

<3 Minutes –
Introduce
Yourself



Renee Holland, MS, RN, IFBA (rlholla@sandia.gov)

- Principal Member of the Technical Staff, Employee for 24+ years
- BS and MS in Community Health Education, Licensed Registered Nurse
- 20+ years of health care and education experience



Eric Cook MPH (encook@sandia.gov)

- **Corporate biosafety officer** for Sandia National Laboratories
- **15+ years at SNL conducting training** and trainer/curriculum development; laboratory risk assessments; and mentoring biorisk management advisors.
- Prior to Sandia, **Biosafety Officer for Dartmouth College** in Hanover, NH for five years where he established the biosafety program at the college. **Biosafety Officer** at the Massachusetts Institute of Technology (**MIT**) for six years prior to that.
- Certified Biosafety Professional (CBSP) since 2005

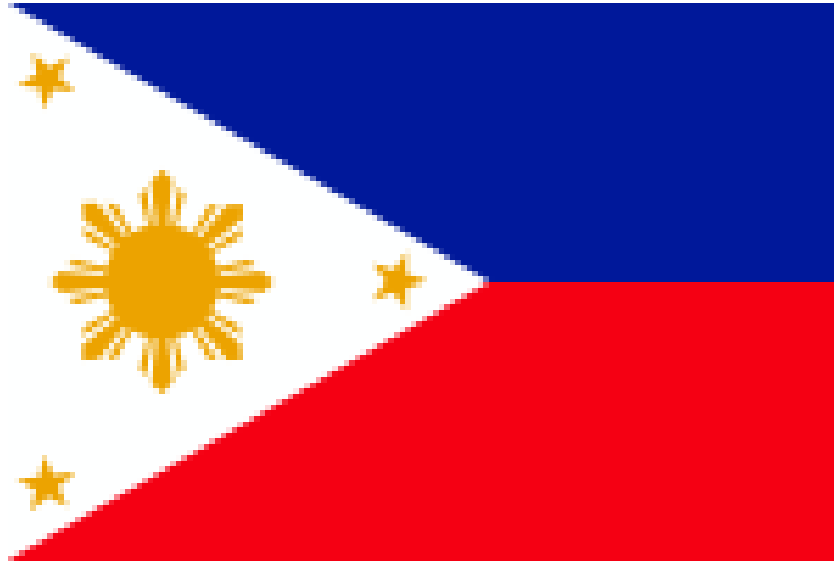


Rabia Khan, MS (rkhan@sandia.gov)

- 3+ Years of Service - Sandia National Labs
- Prior to Sandia, worked for a in the pharmaceutical industry CURIA Inc. and aided in the production of vaccines and other active pharmaceutical medications
- Dual M.S. Biomedical Engineering and Project Management from the University of New Mexico
- B.S. in Biochemistry from the University of New Mexico



Team Philippines



Maria Clarissa G. Dela Cruz

National Kidney and Transplant Institute
Department of Pathology and Laboratory Medicine



Batch 96 Medical Technologist
License # 0033965



1996-2000: Volunteer MT, St Martin de Porres



Charity Hospital

2001: Medical Scientist I, Asia Pacific &

Diagnostic Center

2002-Present: Medical Technologist III, NKTI



2023: Certified Biorisk Officer, Phabot 6

(UP NTCBB, USDTRA)

Deputy Safety Officer



2024: Radiation Security Manager (Department designation)

April 2025: Quality Officer of the department

Oct 2025: National Reference Laboratory Chief

Med Tech



MERVYN S. AGAD, DVM, CBO

Veterinarian, Bureau of Animal Industry, Philippines

Educational Background

- Doctor of Veterinary Medicine 2020
University of the Philippines Los Baños
- Licensure Examination for Veterinary Medicine 2021

Professional Experience

- Veterinarian 2022
Bacteriology and Mycology Unit
Animal Disease Diagnosis and Reference Laboratory
Bureau of Animal Industry
- Certified Biosafety Officer (CBO) 2023



Team Cambodia





Sampheas YUK Mr.

Safety member in Microbiology Unit

NATIONAL REFERENCE MEDICAL LABORATORY,
NATIONAL INSTITUTE OF PUBLIC HEALTH

Educational background: Pharmacist, Document control, and Safety



Biological Waste Disposal training experiences sharing:

- Gained new experiences during the training course
- Exchanging experiences with people from other countries
- Share and promote the new knowledge I have gained with my own institution and relevant organizations
- Implemented correctly in accordance with national and international standards.





Vong Reaksmey KEAM Mr.

Senir Laboratory Safety Officer

National Reference Medical Laboaratory of National Institute of Public Health
Medical Laboratory Technician, Diploma in Medical Microbiology, Bachelor of Science,
Master of Business Administrative, Master of Apply Statistic

Oversee on safety including QMS to ensure the accreditation requirement and maintained, and mentor on safety.

Encouragement

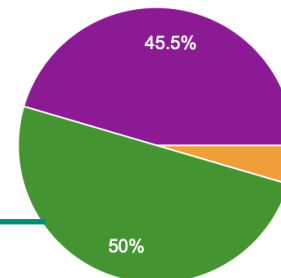
Presentations

Group Discussion and Teamwork

Engagement and Activities

Well preparation

Satisfaction and Evaluation



- (1) Strongly Disagree
- (2) Disagree
- (3) Neutral
- (4) Agree
- (5) Strongly Agree



Sophea PHOEURN Mr.

ISO15189 Team Leader for OPD lab

NATIONAL REFERENCE MEDICAL LABORATORY,
NATIONAL INSTITUTE OF PUBLIC HEALTH

Educational background: Medical Laboratory Technology, Business Administration
Expertise in QMS (ISO15189), Document control, and Safety

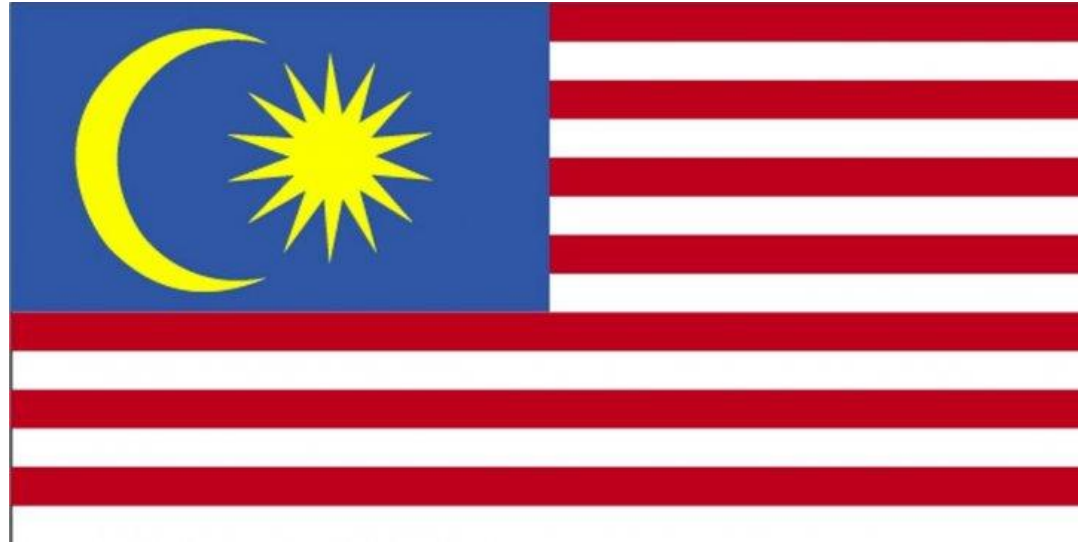


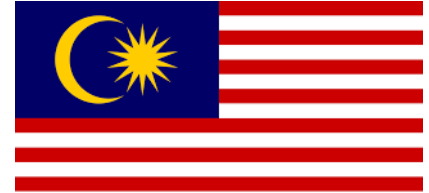
Biological Waste Disposal training experiences sharing:

- Promote exchange experiences from country to country.
- Brain Based training method
- Enhance communication capacity
- Compliance practice with National, and international standard on biological waste management



Team Malaysia





The Instructors

Mr. Tan Cheng Keng

Ms. Dayana

Ms. Yusnita Alwia

Mrs Wan Syahidah

Mr Syahrol

Mr. Tan Cheng Keng (cktan@moh.gov.my)

- 18+ Years of Service- National Public Health Laboratory, MOH Malaysia
- BS and MS in Food Safety from Universiti Putra Malaysia
- Work in Food Microbiology Unit in NPHL from 2015 until now.
- Food Analyst under Malaysian Food Analyst Act 2011, involve in food microbiological testing for food, treated water and environmental swab samples.
- IBBC member for NPHL, MOH Malaysia
- Member of Microbiology Experts Working Committee, Food Safety and Quality Program, MOH Malaysia



Biorisk Management TOT
Training for Staffs from MOH
Facilities (Hospital from central
region & Regional PHL)
Mercure Hotel, Selayang,
Selangor Malaysia
(32 Staffs)
30th Oktober 2025
(1.5 hours for BWD session)



Biological Waste Disposal Training, National Public Health Laboratory,
MOH, Malaysia. (34 Staffs), 16th October 2025 (1 day)

Yusnita Alwia Yusof

BSc & MSc in Microbiology

PhD Molecular Virology – Ongoing



Science Officer (Microbiology) – Ministry of Health,
Malaysia

- 2017 –presents: Virology Unit, Ipoh Public Health Laboratory
- 2015- 2017: Hospital Seri Manjung & Hospital Kuala Kangsar

Previous Experiences:

- Researcher- Bioprocess Research Centre SIRIM Malaysia
(Natural Product & Microbiology)
- Science Officer – Agribolics Tech. Sdn Bhd.
(Biofermentation Based Production)



BWD course at IPHL



Volunteering at School for STEM Programme





Mrs. Wan Syahidah Hussain (syahidah@dvs.gov.my)

- Researcher with 19 years of service at the National Veterinary Public Health Laboratory (NVPHL), Malaysia.
- Holds a BSc and MSc in Food Science from Universiti Kebangsaan Malaysia (UKM).
- Currently serves in the Food Microbiology Unit, NVPHL (2020–present).
- A Registered Food Analyst (Malaysia) in the fields of food chemistry and microbiology.
- Appointed Biosafety Officer at NVPHL, DVS Malaysia, and Assistant Secretary for the Institutional Biosafety and Biosecurity Committee (IBBC), Department of Veterinary Services, Malaysia



Biological Waste Disposal Training,
National Veterinary Public Health Laboratory, DVS, Malaysia
6th November 2025

KEMENTERIAN PERTANIAN DAN KETERJAMINAN MAKANAN



One Health Biorisk Management Workshop:
Management and Leadership, Kuala Lumpur, 2022



RPHL Biological Waste Disposal Train of Trainer
Workshop, Bangkok, 2025

Dayana Ishak

Title & Institution

- Science Officer (Microbiology)
- National Public Health Laboratory (NPHL), Ministry of Health Malaysia.

Education Background

- BSc in Microbiology from Universiti Putra Malaysia (2014-2018)

Experience

- 5 years at NPHL, National TB Reference Laboratory.
 - Specifically for identification of *Mycobacterium tuberculosis complex* and culture of Acid Fast Bacilli (AFB)
- Joined IBBC in NPHL as a member in 2024.
 - Appointed as the Biosafety Point Officer for the National TB Reference Laboratory.



Biological Waste Disposal Training (16th October 2025)



Biorisk Management TOT Training for Staffs from MOH Facilities (29th October 2025)



Syahrol Zamzuri

syahrol@dvs.gov.my

Research Officer

Central Zone Veterinary Laboratory,
Department of Veterinary Services Malaysia (DVS)

Background

- 5 years as Researcher in DVS - current
- 5 years as Scientific officer in Radiopharmaceutical
- BSc in Biomolecular Science

Biorisk Management Experience

- 2022 - start as BSO in 2022
- 2022 - IFBA certification (trained by SNL)
- 2023 - 2024 - ACDP BRM leadership programme
- Provide BRM support and training to other DVS regional lab and states' team



Cohort I – Team Malaysia

MALAYSIA TEAM

Dr. Noor Ilham Binti Ahmad

Master of Pathology – Sub speciality in Clinical Microbiology
Pathology Department Sultan Ismail Petra Hospital.

☎ : +06-(0)145462265

✉ : drnoorilham@yahoo.com.my

Dr. Noor Hafizan Binti Mat Salleh (MD USM, MPH UNIMAS, DrPH UKM)

Master of Public Health and Doctorate of Public Health.
Director of PH Laboratory - Kota Bharu Public Health Laboratory

☎ : +06-(0)12 8209554

✉ : noor.hafizan@moh.gov.my

Ms. Nor Suhaili Binti Suhaimi

Bachelor of Science in Engineering Inha University, South of Korea
National Public Health Laboratory

☎ : +6(0)13 4522526

✉ : norsuhaili@moh.gov.my

BIOLOGICAL WASTE DISPOSAL MANAGEMENT TRAINING - TRAINING OF THE TRAINERS



2





Dr. Noor Ilham Binti Ahmad

- Medical Doctor
- Master of Pathology – Sub speciality in Clinical Microbiology (Clinical Microbiologist)
- Head of Pathology Department Sultan Ismail Petra Hospital.

Biological Waste Disposal training experiences sharing:

- Promote exchange experiences and knowledge from different countries.
- Meet new friends from different background
- Adult learning training method
- Enhance communication capacity
- Compliance practice with National, and international standard on biological waste management





DR NOOR HAFIZAN MAT SALLEH

Public Health Medicine Specialist

Kota Bharu Regional Public Health
Laboratory of Malaysia



Educational background: Doctor of Medicine (MD), Master of Public Health and Doctorate of Public Health (Maternal Child Health)

Working Experiences: Medical Doctor in Hospitals and Health Clinics (8 years), District Health Officer (8 years) and Director of PH Laboratory (6 years ...)

Biological Waste Disposal training experiences sharing:

- Multiples Training of Trainers (TOT) for national and state including PH Laboratory- workshop that includes interactive activities, discussion, sharing informative experiences and Q n A.
- Applying knowledge from training- Audit internally on Laboratory Waste Management-reviewing waste generation, handling, and disposal procedures to ensure regulatory compliance, identify cost savings, and promote sustainability.
- Development of Guidelines for Waste Management in PH Laboratory



Team Thailand





Dr. Athicha Mahayotha



Dr. Phawut Nueangphuet



Dr. Phubeth Ya-umphan

Cohort I

Dr. Athicha Mahayotha

Dr. Phawut Nueangphuet

Dr. Phubeth Ya-umphan

Phawut Nueangphuet DVM, PhD (Vet Pathology)

- Veterinary Officer and Head of the Veterinary Pathology Section at the Veterinary Research and Development Center, Upper Northern Region, Lampang, under Thailand's Department of Livestock Development (DLD).
- Skilled in gross and histopathological examination of animal tissues, specializing in livestock diseases.
- Laboratory biosafety and biosecurity as a member of the biosafety committee, with a focus on waste and biological substance management.
- Regularly assess biorisk management practices. Utilizing training in waste management would be helpful and enhance biosafety standards.

Activity A: Waste in Your Hands

Objective:

To promote participant engagement through brainstorming, peer sharing, and hands-on classification of infectious waste commonly found in laboratory settings.

- Participants were **randomly divided into four groups**.
- Each group was first assigned to **list as many types of infectious waste as they could** from their own experience in the laboratory.
- After presenting their brainstormed lists to the other groups, each team proceeded to **categorize the waste types** based on the classification system provided during the lecture (e.g., sharps, pathological, microbiological, contaminated materials, general waste) **Figure 1**.



Figure 1. Participants brainstorming and classifying infectious waste types during Activity A: "Waste in Your Hands."



Figure 2. Group presentation during Activity B: Designing a waste management process, with participants proposing improvements to solid waste handling steps.

PHUBETHYA-UMPHAN

Medical Scientist Senior Professional Level
National Institute of Health, Department of Medical Sciences,
Ministry of Public Health, THAILAND

Education

B.Sc. Biotechnology, King Mongkut's Institute of Technology Ladkrabang (Thailand)
M.Sc. Tropical medicine, Mahidol University (Thailand)
Ph.D. Health Biology, Montpellier University (France)

Professional Experience

- Head of Insect Taxonomy and Medical Entomological Support Section
- Insect vector control research & Insecticide testing
- Safety officer of NIH

BRM Training Experience

Date	Course / Workshop
May 2023	Regional Infectious Substance Shipping Program and Standard Operating Procedure Development Workshop
November 2023	Safety Cabinet Technology
March - September 2024	RPHL Twinning Program on Biorisk Management System
December 2024	RPHL Biological Waste Disposal Train the Trainer (Cohort I)





Cohort 2

Dr. Wanchana Pinkaew

Apichaya Sakulthai, PhD

Dr. Nawaporn Waddell

DR. WANCHANA PINKAEW DVM., MSc.

Education

- Doctor of Veterinary Medicine, Faculty of Veterinary Science, Chulalongkorn University. (2013)
- Master of Science (Molecular Biology and Pathology of Viruses), Imperial College London. (2016)

Career

- Veterinarian, Veterinary Research and Development Center (lower northern region). (2013)
- Veterinarian, Bacteriology and Mycology section, National Institute of Animal Health. (2014-Present)
- Head of biosafety and Biosecurity committee. (2020-2021)
- Biosafety and Biosecurity committee. (2019-present)
- BSL3 lab administrator committee. (2024-present)

BRM related experiences

- Basic Diagnostics Training for Animal Disease Diagnosis (June 2024)
- Regional Workshop on "Breaking Silos: A Collaborative Approach to Biosecurity." (27-30 May 2025)
- "Biological Waste Disposal Workshop - Train the Trainer". (18 – 22 August 2025)
- Journal Club November 2025. (5 November 2025)





Assist. Prof. Apichaya Sakulthai



Kasetsart University,
 Veterinary Technology (B.Sc.)
 Animal Biotechnology (Ph.D.)



Postdoctoral Researcher (1 year)
 Department of Obstetrics, Gynaecology and Reproductive
 Faculty of Veterinary Science, Chulalongkorn University



Head of Department, Lecturer and Researcher (5 years)
 Farm Technology Management
 Faculty of Agro-Industry, Panyapiwat Institute of Management



Medical Scientist, Partitional Level (2023-Present)
 Division of International Collaboration,
 Department of Medical Sciences, Ministry of Public Health



Topic – Decontamination

- Discrepancies in Procedures
- Case studies
- Sustainability of Engagement
- Over-reliance on Engagement Tools

👋 **NAWAPORN WADDELL,**
DVM, MVSC



- 2013 📖 Doctor of Veterinary Medicine, Chulalongkorn University, Thailand
- 2019 📖 Master of Veterinary Sciences (Diagnostic Pathology), The University of Queensland, Australia
- 2013- present 📄 Veterinary officer, National Institute of Animal Health, DLD, Thailand
- 2021 – present 📄 Internal Biosafety committee (IBC)

Activity #1:

Create a one slide PowerPoint Presentation:

- Introduce Yourself:
 - Name, Title, Institution, Educational Background, Professional Experience
- Share BRM Trainer Experience - Strengths
 - Event photos, stories

February 17 next meeting - Team Vietnam (Postponed due to TET)



Team Vietnam





Phan Van Hieu, MD.

Name: Phan Van Hieu

Title: Biosafety manager, Equipment manager

Institution: Quality control center for medical laboratory of HMU

Education: Master of Medical Laboratory Science

BRM Trainer Experience



LABORATORY

- Lecturer & Researcher, Quality control center for medical laboratory (12 years)



EXPERIMENT

- Technician of Laboratory department, the Hospital of Hanoi Medical University (10 years)



TEACHING

- Biosafety and Equipment Manager – Quality control center for medical laboratory, Hanoi Medical University (10 years)

- Laboratory quality assessment of Ministry of Health (8 years)



Vu Thi Bich Hong (Rossie), Ph.D.



- B.Sc. in Biology - M.Sc. in Microbiology & | VNU University of Science
- Medical Technology (Laboratory Medicine) | Hanoi Medical University
- Ph.D. in Public Health | National Institute of Hygiene and Epidemiology

BRM Trainer Experience



- Technician of Laboratory department, the Hospital of Hanoi Medical University (3 years)



- Lecturer & Researcher, Quality control center for medical laboratory (14 years)
- Head of Microbiology & Parasitology Department – Quality control center for medical laboratory, Hanoi Medical University (10 years)



- Co-lecturer, Epidemiology department, School of Preventive Medicine and Public Health – Hanoi Medical University (2025-Present)





Nguyet Le Thi

B. Sc Hai Duong Medical Technical University

M. Sc Ha Noi University of Science

Experiences



LABORATORY

- Department of Mycobiology TB reference (2008- present)
- Quality Officer NRL (2014- present)
- Chief of technician (2018 - present)
- TB Lab Biosafety in VN NTP
- Supervisor and Technical support for conventional TB testing
- QMS mentor/ support for TB Lab in VN NTP



TEACHING





Nguyen Thi Truc Anh, MSc.

Title: Senior lecturer
Institution: University of Medicine and Pharmacy at Hochiminh City, Vietnam
Education: Master of Science



BIORISK MANAGEMENT WORKSHOP
DANGEROUS SUBSTANCE SHIPPING CERTIFICATE
AND BIOSAFETY CABINET TRAINING
01 - 03 March 2024

BRM Trainer Experience

BRM course:

1. BRM TOT for University, October 2020 at Ho Chi Minh City
2. Vietnam IFBA – Part 1 (online), January 2023
3. Vietnam IFBA – Part 2 (In-Person Exam), April 2023
4. Vietnam BRM Trainer Development Program, June 2023
5. SEA BRM Training: Biorisk Management Multi-Sectoral Leadership Training on Lab Design Principles, August 2024
6. Vietnam BRM Technical Workshop – IATA Shipping and BsC GLWP, March 2024
7. ISO35001 Implementation Course, Nov 2024
8. RPHL Biological Waste Disposal Trainer Development Program, Oct 2025

In charge of being the BRM trainer:

1. Develop a training program about biosafety in the COVID-19 pandemic.
2. Implement the Laboratory Safety Course (2 credits: 1 theory and 1 practice) for the second year of the Medical Laboratory Technology bachelor's program since 2023.
3. Teach BRM in SORT and CBRM since 2024
4. Train the BRM workshop for the Hochiminh Association of Medical Laboratory Technology in 2026.



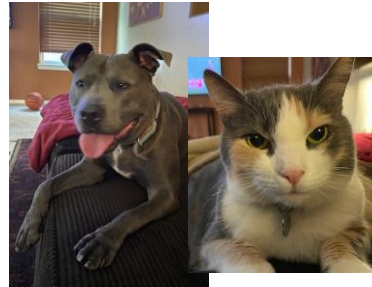
This or That?

Virtual: Use Annotation Tools

In-Person: Plenary Question – Collect answers on white board/poster board



Vanilla or Chocolate?



Dog or Cat?



Swimming or Yoga?



Sunrise or Sunset?

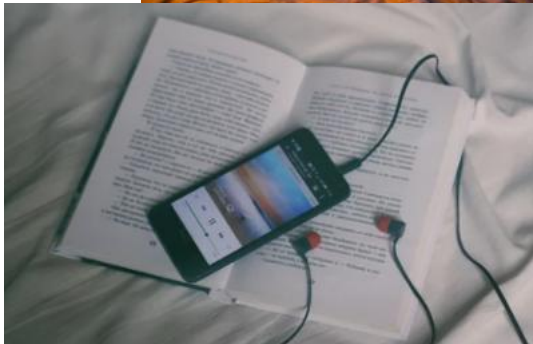
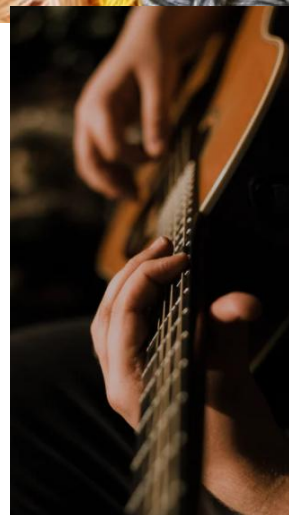
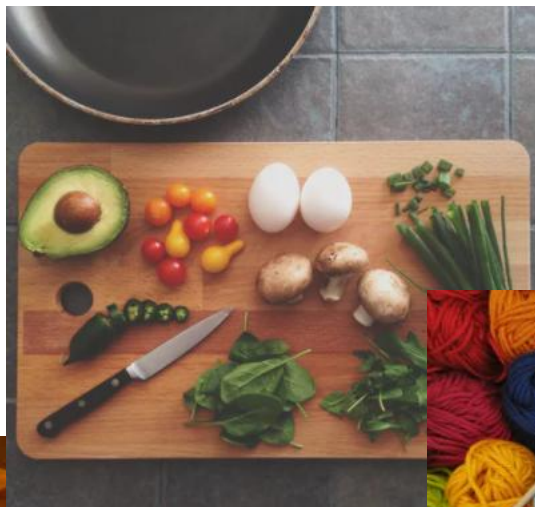


Cooking or Eating?



Coffee or Tea?

Ice Breaker Activity – Introductions & Favorite Hobby



BINGO Introduction Activity

Using annotation feature, identify the criteria you match in one of the BINGO squares.

As a group, the goal is to complete an entire row (across, down, or diagonal).

B	I	N	G	O
is allergic to cats	has 2 or more sisters	is a twin	has a tattoo	is a vegetarian
has been to Mexico	is allergic to dairy	is allergic to nuts	is an only child	has 2 or more brothers
has been to Europe	is afraid of spiders	Free Space	plays softball or baseball	has a dog
plays tennis	has a cat	has lived on a farm	plays soccer	can stand on their head
plays golf	has been to Canada	plays video games	is afraid of heights	has a brother & a sister

Share Your Favorite Vacation/Travel Location

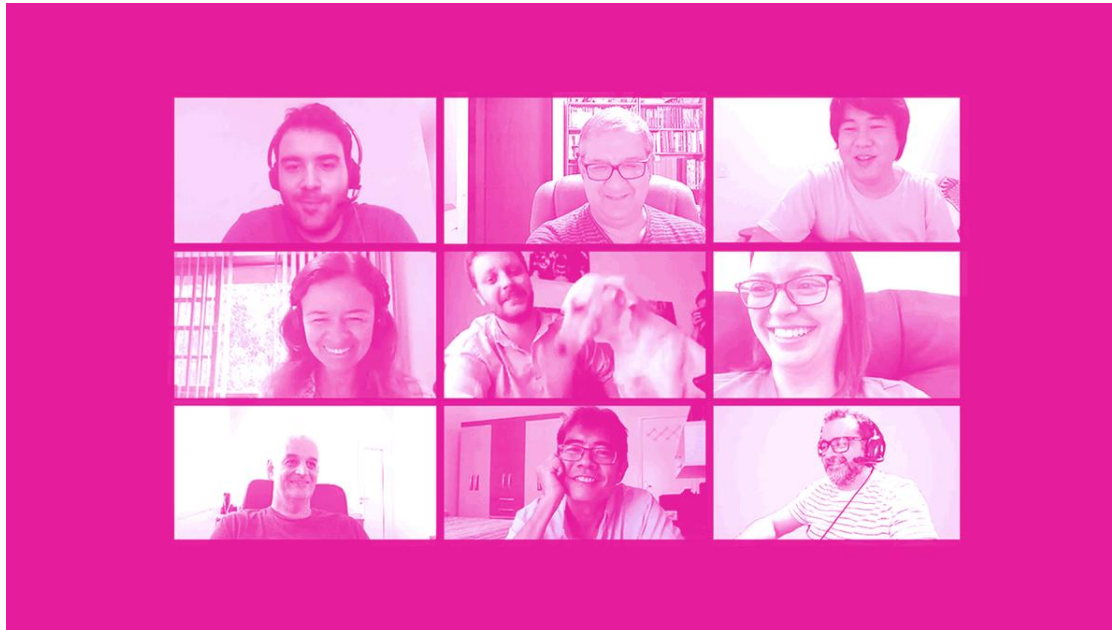
Photos by Renee Holland



Show and Tell

Find something within the room (your current surroundings) that has meaning for you and show us “live” on the camera.

Be prepared to share your selection and explain its relevance.



Community
of Practice
(CoP)

Training
Tools &
Experience
Sharing

15m



RPHL

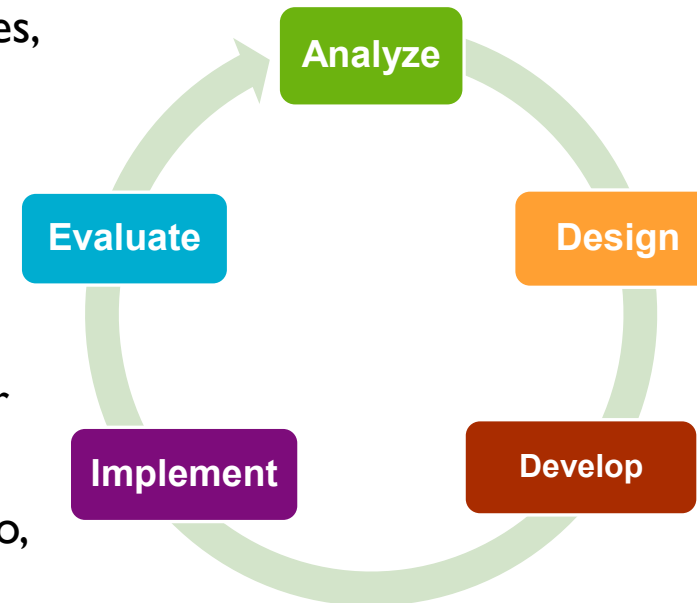
**Regional Public
Health Laboratory
Network**

Sustainability - Next 6 Months



Let's create a plan: **Results**

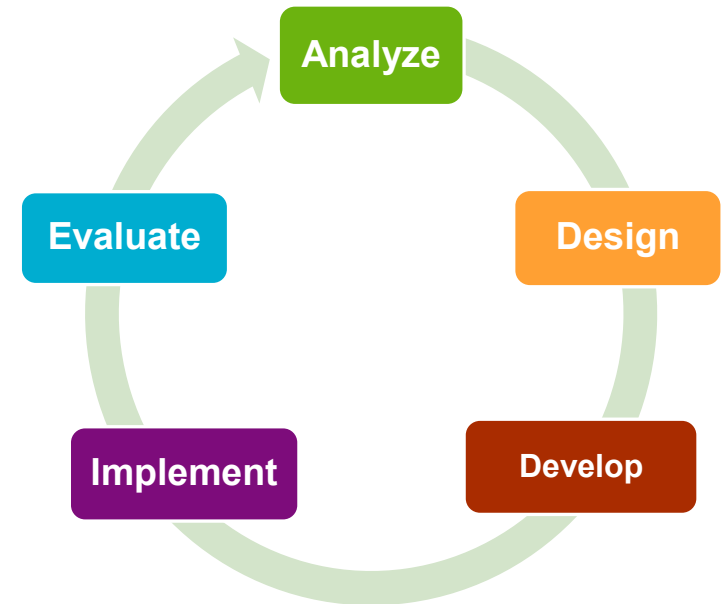
- What would you like to learn or share?
 - **#1**: Share a customization example (Activity, Slides, Quizzes, etc.)
 - **#2**: A.D.D.I.E Related Content (5 minute presentation)
 - **#3**: Share a specific, new method of training engagement (snowballing, skit, report template, story, etc.). It can be something you have tried or researched and are planning to do in the future.
 - **#4**: Share a training experience (5 minutes – Who, What, Where, Impact)
 - **Other**: Biorisk Management Topics (5 minute presentation)



Sustainability - Next 6 Months




- How do we select rotating speakers from the group?
 - April - #1, #2
 - May - #1, #2
 - June (Skip – ATW Training)
 - July - #1, #2
 - August - #1, #2
 - Sept - #1, #2






RPHL Resources Location – RPHL BWD Trainers - Community of Practice Shared Google Drive



https://drive.google.com/drive/folders/1GQNTVDQLFMU44p_FXqmOVDcOs-Gz9Cc7?usp=drive_link



Shared with me > BWD TOT Workshop 18-... 



Type ▾ People ▾ Modified ▾ Source ▾

Name 

 BWD Training Materials 

 Other RPHL and BWD... 

 RPHL BWD CoP -... 

 RPHL Workshop... 

- SNL GBRMCNetLibrary Materials
- Customized Local Materials
- New Tools and Activities
- Pre and Post Tests
- CoP Materials
- Teach Back Resources
- Introduction Activity

Community
of Practice
(CoP)

Discussion
Topic of
Choice

15m



RPHL

**Regional Public
Health Laboratory
Network**

Community of practice (CoP) Discussion Topic

Organized to:

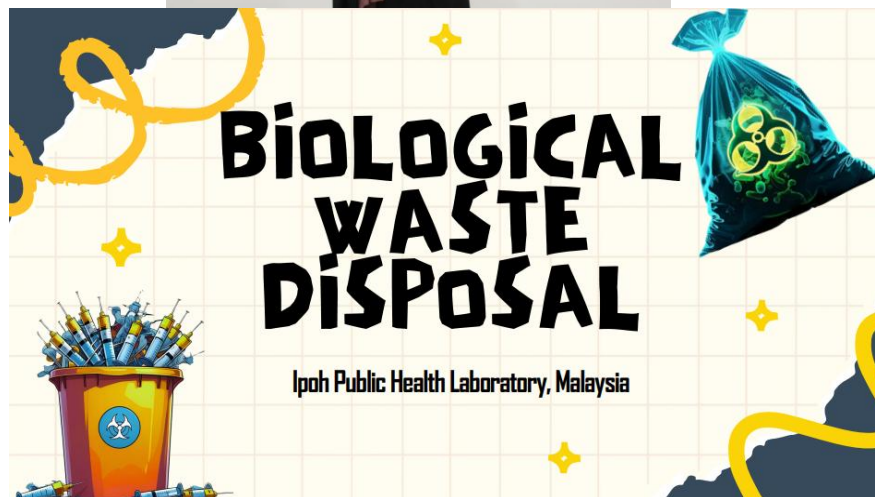
Share good news and trainer success story through **panel** or discussion.



Goal: Trainers to share their training and BRM experience to encourage local integration.



Dr. Fizan –Spot Checks “Rounds” Biological Waste Management Assessments in Clinics



The Integrated Audit Framework



Primary Scope Areas

Treatment Rooms



Laboratories



Vaccination Areas



LABORATORY AUDIT- BIOLOGICAL WASTE MANAGEMENT

Operational Defense: Staff & Environmental Protocols

Human Operations (Staff Training & Knowledge)

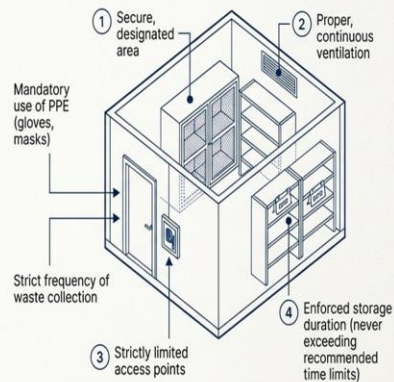
Knowledge Verification Checklist

- ✓ Accurate identification of waste categories?
- ✓ Demonstrated proficiency in spill response?
- ✓ Mastery of needle-stick injury protocols?

Audit Verification

Review training records and refresher programs.

Physical Environment (Handling & Storage)



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Clinical Waste Diagnostics & Risk Identification

Waste Classification (The Hazard)	Audit Objectives (The Standard)	Risk Identification (The Vulnerability)
Infectious Waste (blood, body fluids)	Achieve strict regulatory compliance.	 Overfilled sharps containers
Sharps (needles, blades)	Enforce precise segregation practices at the point of origin.	 Improper or missing labeling
Pathological Waste (tissues)		 Critical lack of required PPE
Pharmaceutical Waste	Systematically reduce environmental and biological risks.	 Unsafe or unverified storage areas

Cohort I – Team Laos PDR

Mrs. Arounnapha(Tee)
Vongdouangchanh

National Center for
laboratory and
epidemiology (NCLE)

The pre-test score
averaged 64%, while
the post-test score
improved to 74%,
reflecting a 16%
improvement.

- Successfully trained
13 laboratory
personnel from AMR
sites on biosafety and
biosecurity best
practices.



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Cohort 2 – Team Thailand

National Institute of Animal Health (NIAH), Bangkok, Thailand - 25 Participants

1. Apichaya Sakulthai (Aom)
2. Nawaporn Waddell (Fon)
3. Wanchana Pinkaew (Winnie)



Community of Practice – 15 m Panel Discussions

How many participants were trained?

What background were they from?



Panel Question

How did you pick your audience ?

Panel Question

What was a memorable event during the training?



Panel Question

Was there any unique feedback from the participants?



Panel Question

Was upper management involved?

If so, what was the process of getting approvals?



Panel Question

**Any lessons learned –
anything that would change in
a future training event?**



Panel Question

How will the training be sustained?



Reporting Updates on New Training Plans



Cohort I Success

TRAINING OF TRAINERS – BIOLOGICAL WASTE DISPOSAL (BWD) WORKSHOP – COHORT 1

4 RPHL countries in 2024 trainer development program: Laos, Cambodia, Malaysia and Thailand

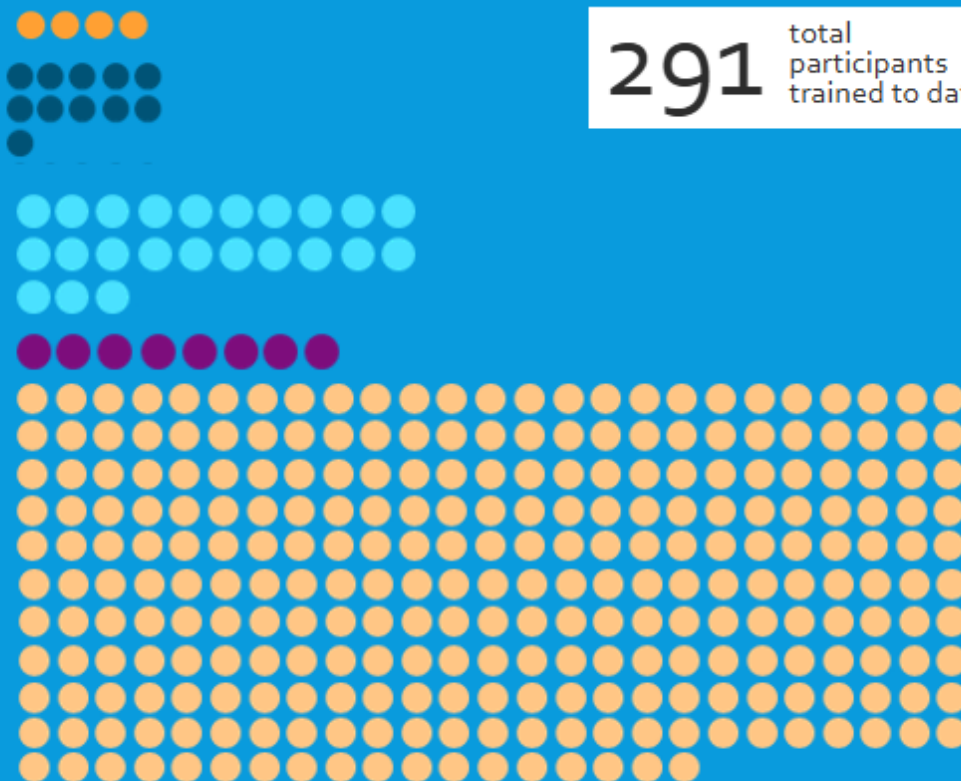
11 trainers in 2024 trainer development program: Laos (2), Cambodia (3), Malaysia (3) and Thailand (3)

23 participants from 2 BWD Workshops in Siem Reap, Cambodia

8 country specific BWD workshops

268 participants anticipated from 8 workshops

291 total participants trained to date



Participant Challenges

How have you managed varied levels of experience or knowledge levels in the same training event?

Let's take 10 minutes to discuss.

Place your thoughts into the chat and be prepared to share your experiences.

Engaging Institutional Leadership Support

Have you faced any successes or challenges in engaging buy-in or support from your leadership?

Let's take 10 minutes to discuss.

Place your thoughts into the chat and be prepared to share your experiences.

Peers - Handling Resistant to Change

Have you run into the challenge where colleagues are not fully engaged in the training or not exhibiting changing behavior or attitudes when new procedures are introduced?

Let's take 10 minutes to discuss.

Place your thoughts into the chat and be prepared to share your experiences.

New Tools and Resources

Have you discovered any new innovative ways to engage your participants?

Let's take 10 minutes to discuss.

Place your thoughts into the chat and be prepared to share your experiences.

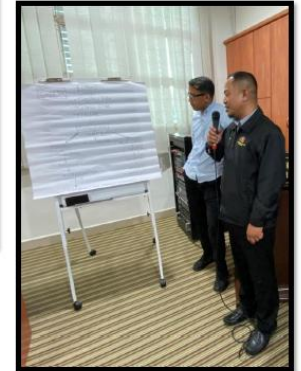
Time Challenges

How have you managed a lack of time (resource) when trying to cover too much content?

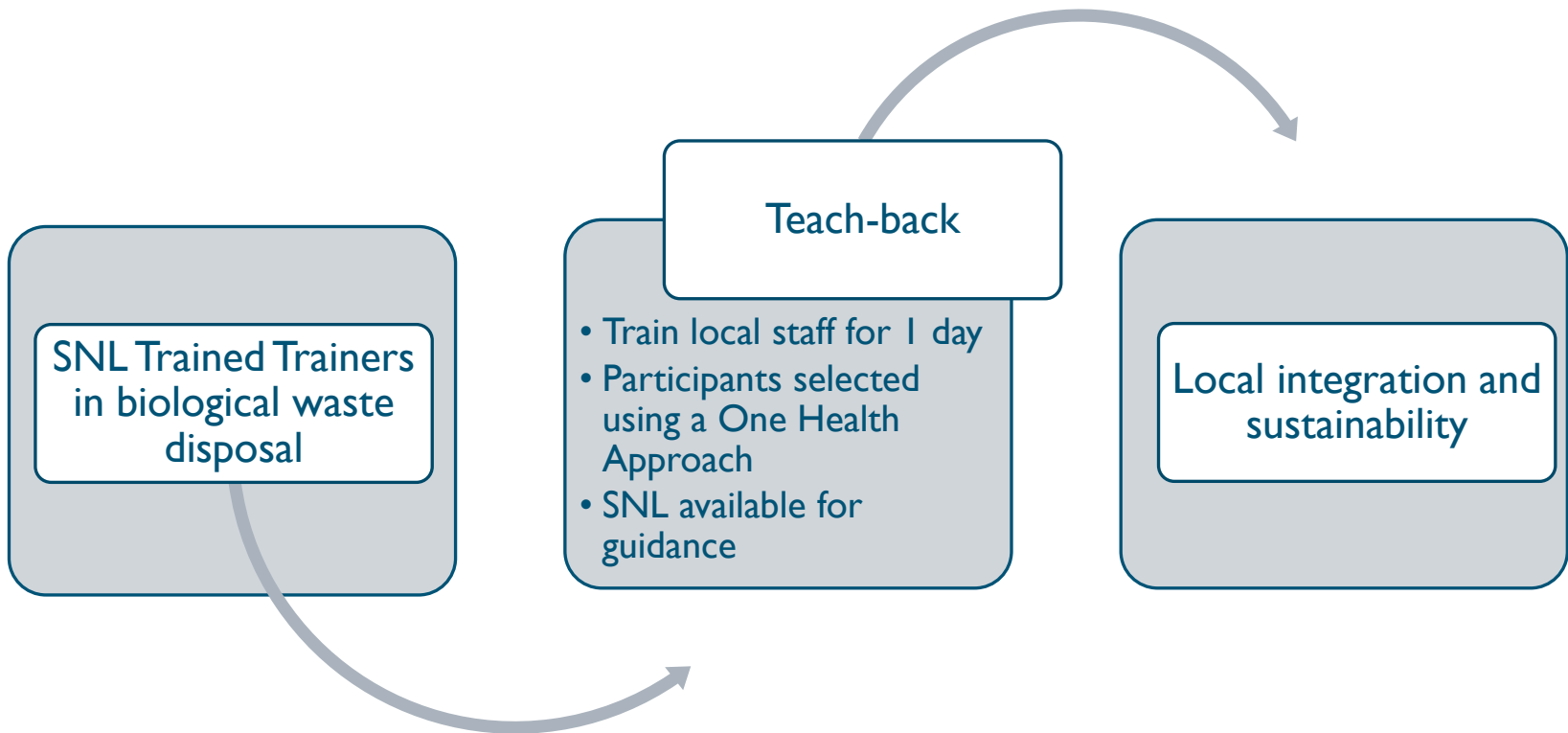
Let's take 10 minutes to discuss.

Place your thoughts into the chat and be prepared to share your experiences.

Teach Back Support Process



Teach-back Process



Why submit for teach back support?

What are the many benefits of applying for Teach Back Support?

Using the “chat” feature – please provide your responses:



Example Agenda

Day I Date	Topics/Activities	Instructor(s)
8:00 AM	Registration (30m)	Insert Name(s)
8:30 AM	Welcome & Introductions (30m)	Insert Name(s)
9:00AM	Session I (BWD – What is Biological Waste) <ul style="list-style-type: none"> Pg#s 1-14 (90 minutes) 	Insert Name(s)
10:30 AM	Tea Break (15m)	Insert Name(s)
10:45 AM	Session II (BWD – Steps in Waste Management) <ul style="list-style-type: none"> Pg#s 15- 19 (75 minutes) 	Insert Name(s)
12:00 PM	Lunch Break (60m)	Insert Name(s)
1:00PM	Session III (BWD-Treatment and Disposal) <ul style="list-style-type: none"> Pg#s 20-39 (45 minutes) Waste Steam Activity (45 minutes) 	Insert Name(s)
2:30 PM	Tea Break (15m)	Insert Name(s)
2:45 PM	Session IV: Decontamination (90 minutes)	Insert Name(s)
4:15 PM	Closing Ceremony (15m) <ul style="list-style-type: none"> Course Evaluation 	Insert Name(s)
4:30 PM	Adjourn	Insert Name(s)



Outcomes

Participants will:

- Categorize different types of biological waste
- Explain the risk associated with handling/treating biological waste
- List the steps in the waste management process
- Select appropriate approach/method for each step in the waste management process
- Understand the factors that influence the selection of treatment
- Understand hazards and limitations of decontamination

Outcomes

Local trainers will:

- Train select participants from the organization
- Utilize the Global Biorisk Management Curriculum on matrix
- Local integration of waste management policies

Sustainability/Impact: The teach-backs will improve sustainability in BRM by having regional trainers train across the organization with SNL's mentorship.



Application Template for Teach Back Support

Event Name	List of references (curriculum materials, templates, etc.)
Date(s)/Time	
Proposed Location (if Venue?)	Training Event Objectives (Know, Feel, Do)
BWD Train (s) with Affiliations	
Other Instructor(s) with Affiliations	Evaluation Method
Target Audience	
Audience Description	Participant Feedback
# of Participants	
Additional Funding Sources/ Support (Budget Estimate)	
Description of Training Event	

Due: No Later than 60 Days prior to your event.

TENTATIVE AGENDA**Day__**

Date/Time	Topic/Activity	Instructor

LOGISTICS***TRAINING MATERIALS******EVENT LOGISTICS***

Item	Quantity	Comment

Item	Quantity	Comment



PARTICIPANT LIST

#	Name	Employer/Institution	Job Title/Position	Citizenship
1				
2				
3				
4				
5				
6				
7				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Submitted >60 days in advance

Final Report Requirements

Event Name
Date(s)/Time
Proposed Location (City? Venue?)
BWD Trainer(s) with Affiliations
Other Instructor(s) with Affiliations
Target Audience
Audience Description
Summary of the Training Event
Additional Funding Sources/ Support
One memorable moment from the workshop

List of event presentations (curriculum materials, templates, etc.)
Training Event Objectives (Know, Feel, Do)
Success
Outcomes/ Challenges

The background features a green gradient with a pattern of question marks and squares. The top and bottom sections are a lighter green, while the middle section is a darker teal. The question marks and squares are scattered throughout, with some appearing more prominent than others.

Questions?