



IBCTR

INTERNATIONAL BIOLOGICAL
and CHEMICAL THREAT REDUCTION



Strategies & Successes: The Global Biorisk Management Curriculum

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How can a *global*
curriculum be
Local, Practical, and
Sustainable?

Our job is to work our
way out of our job



GBRMC

Strategies





Global Biorisk Management Curriculum

- Core biosafety & biosecurity training materials
 - Strategic
 - Sustainable
 - Used anywhere, anytime, by (almost) anyone
 - Well-branded
 - Well-managed



Strategic Building Blocks

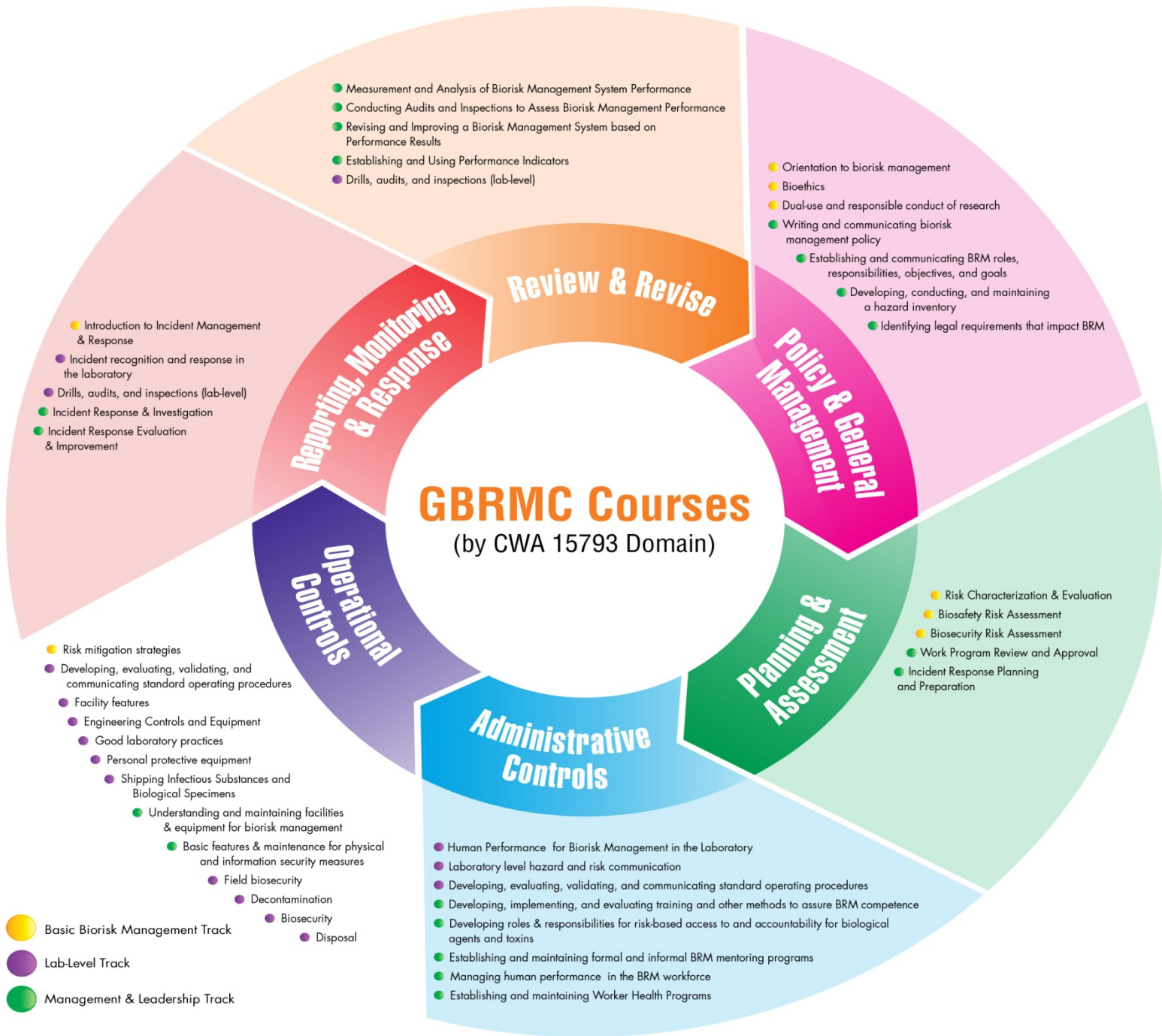


The image illustrates the 'Strategic Building Blocks' of an educational system. A hand is shown placing a teal block on top of a stack of four blocks. The blocks are labeled as follows:

- BEST PRACTICES** (Teal block)
- COMPETENCIES** (Pink block)
- SYSTEM** (Red block)
- BRAIN-BASED LEARNING** (Yellow block)

In the background, several documents are visible, including:

- Centers for Disease Control and Prevention **MMWR** (Morbidity and Mortality Weekly Report) Supplement / Vol. 64 / No. 1, May 15, 2015.
- CEN WORKSHOP AGREEMENT (KCB 07-10001)
- Expanded Edition: How People Learn* (National Academy Press)
- A diagram of **KOLB'S LEARNING CYCLE** showing the stages: CONCRETE EXPERIENCE, REFLECTIVE OBSERVATION, ABSTRACT CONCEPTUALIZATION, and ACTIVE EXPERIMENTATION.





Welcome to the GBRMC Trainers' Network (GBRMCNet)

About GBRMCNet



The GBRMCNet is an online community of Biorisk management trainers across the globe. Here you will find the Global Biorisk Management Curriculum (GBRMC) Library along with tools and resources to help you train effectively.

The success of the network depends on your feedback and participation. The GBRMCNet is managed by Sandia National Laboratories' International Biological Threat Reduction (IBTR) program with funding provided by Cooperative Biological

Engagement Program (CBEP).

Course Materials

The GBRMC is organized into general training tracks to target different audiences:

[See All](#) | [Basic Track](#) | [Laboratory Level Track](#) | [Mgmt & Leadership Track](#)

- The **Basic track** is for all personnel involved in biorisk management, and serves as a foundation for the other tracks.
- The **Laboratory Level track** is for Biorisk Management Advisors (BRMAs) or Biosafety Officers (BSOs), scientific/laboratory management, and laboratory workforce.
- The **Management and Leadership track** is for policy makers, top management, Biorisk Management Advisors (BRMAs) or Biosafety Officers (BSOs), and scientific/laboratory management.
- The **Laboratory Design, Operations & Maintenance track** is for Architects, Designers, Biorisk Management Advisors (BRMAs) or Biosafety Officers (BSOs), and scientific/laboratory management.

Announcements



Updated GBRMC Courses

The following GBRMC courses have been updated and previous versions of materials may not reflect the most up to date information: Biorisk Mitigation Strategies; Developing and Validating Standard Operating Procedures (previous name Developing, Evaluating, Validating and Communicating SOPs); Good Laboratory Work Practices. Both the updated materials and previous versions will continue to be available until October 1, 2016 for use at your discretion. New versions FV2 in the title.



New Look to GBRMC Materials

In an effort to respond to feedback regarding graphics and file size concerns, we have modified the look and feel of the GBRMC Courses. This new branding includes the use of a GBRMC Logo, and removal of all other logos. The slide decks now have an attribution page where appropriate logos for training sponsors can be added. The file sizes of all documents are now much smaller and allow for easier download and printing.



Some Translations Now Available

There are now some translations available in a few languages for some courses. Close verification of these translations is beyond the capabilities of GBRMC, therefore GBRMC does not take responsibility for mistakes in the translation. A listing of courses available in other languages is located in the Resource Library.

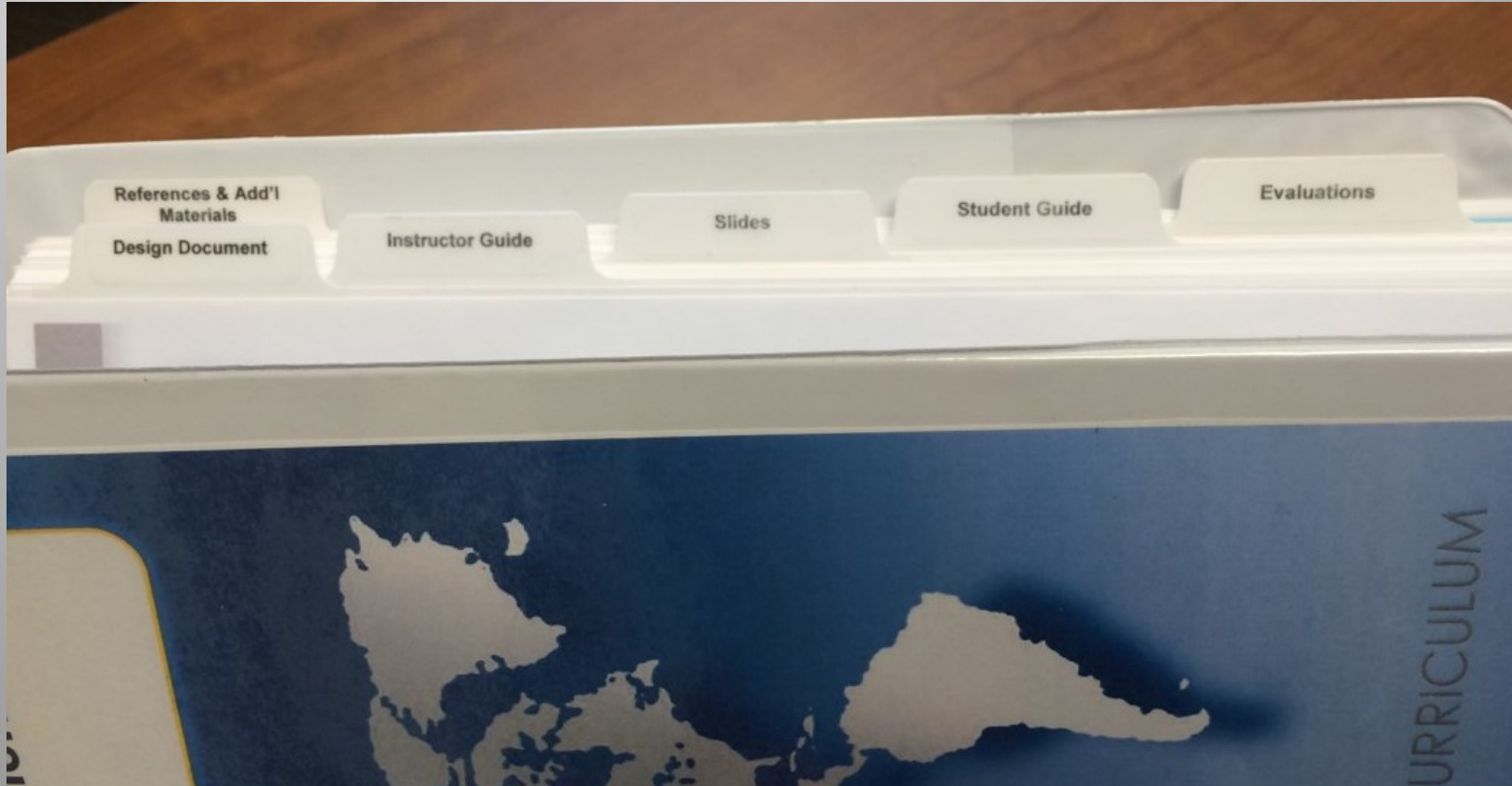


Biorisk Management Core Document Library

The Biorisk Management Core Documents have been added to the Resource Library. The core documents are a collection of biosafety and biosecurity templates that can be locally adapted to facilitate implementation of a biorisk management system such as GWA 15702. The templates are peer reviewed and quality



More than a slide deck. . .



Mentored Access to GBRMCNet

- No cost for access
- Registration required
- Read-only access after orientation (webinar)
- Full (download) access after additional training on training event design and lessons learned



Trainer Development Program



5 day:

- 3 GBRMC courses
- Principles of learning
- Instructional design
- Increasing memory and retention
- Learning and sensory styles
- Teach-back

- 31 sessions since late 2012

TDP Teach-Back



What makes training GOOD?

WHAT MAKES TRAINING GOOD

- INTERACTIVE
- KEEP IT SIMPLE & SHORT
- DEMISTIFY / FACTUAL
- USE OF TEACHING AIDS
- REAL LIFE EXPERIENCES
- PRACTICALS
- REVIEWS
- ASSIGNMENTS TO HELP IN APPLICATION
- ENCOURAGING ONE
- SHORT BREAKS
- TRAINER DIMENSION
- MOVING TOGETHER
- INCLUDE FUN

Time
- Length
- Breaks
- Continuous

Teaching Aids

Level of interaction

Facilities

WHAT MAKES TRAINING GOOD

1. Active participation
 2. Group discussion and presentation
 3. Interactive
 4. Punctuality & discipline of members
 5. Recapping of the previous days sessions
 6. Sharing real life experiences
 7. Making fun in between the sessions
 8. Regular breaks
 9. Venue and sitting arrangements
- of the activities

Universal Responses:

Interactive

Relevant

Group involvement

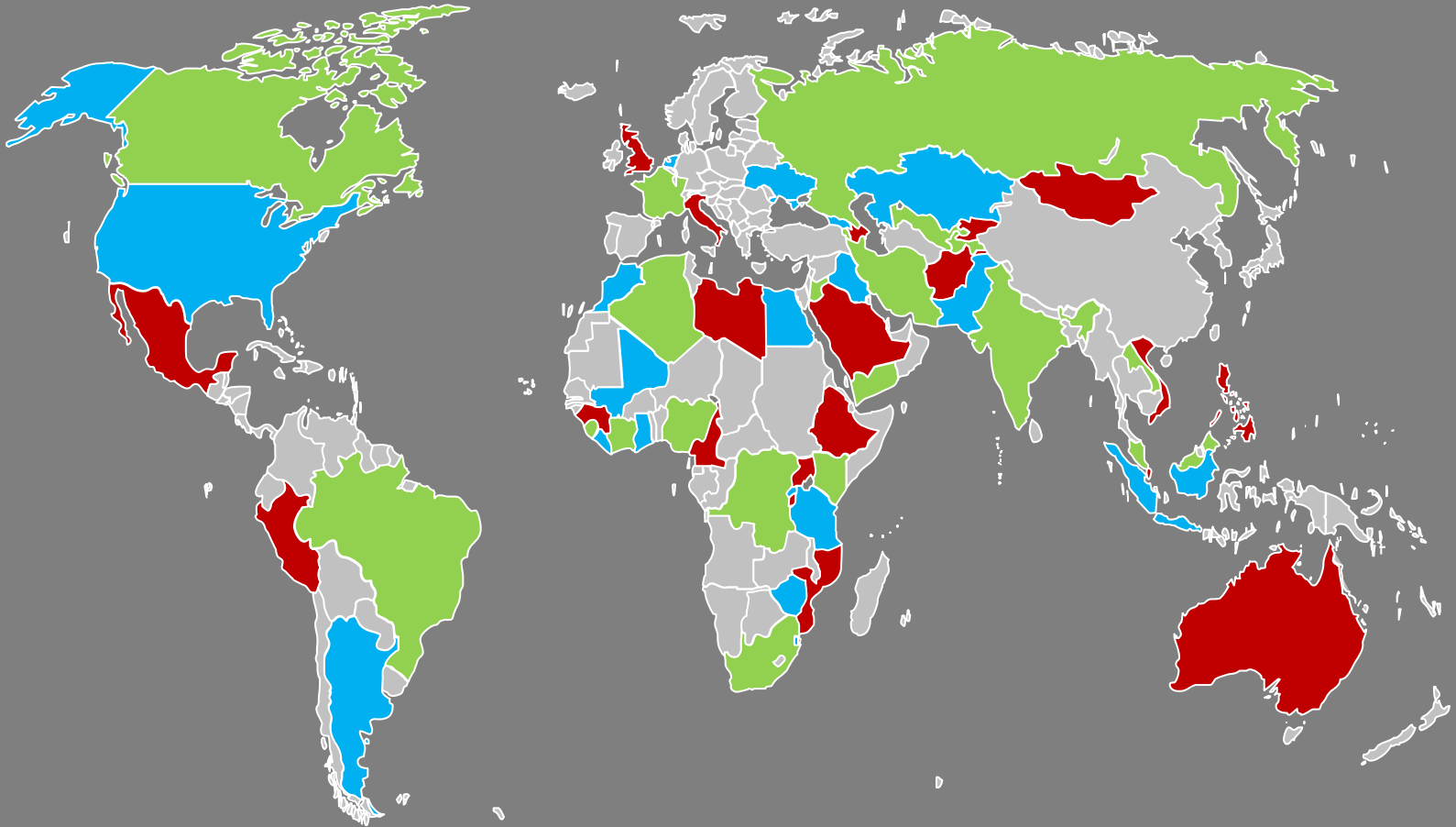
Feedback/Recapping/Reviews

Practical, real-life examples

Fun!



GBRMC



GBRMCNet Access:
837 trainers from 81 countries

Local



String several GBRMC courses together for an event on core biorisk management principles & practices

GBRMC courses are designed to address 75 to 80% of biorisk management training needs.

Local trainers can focus their time and expertise on supplemental training, rather than on developing core materials.



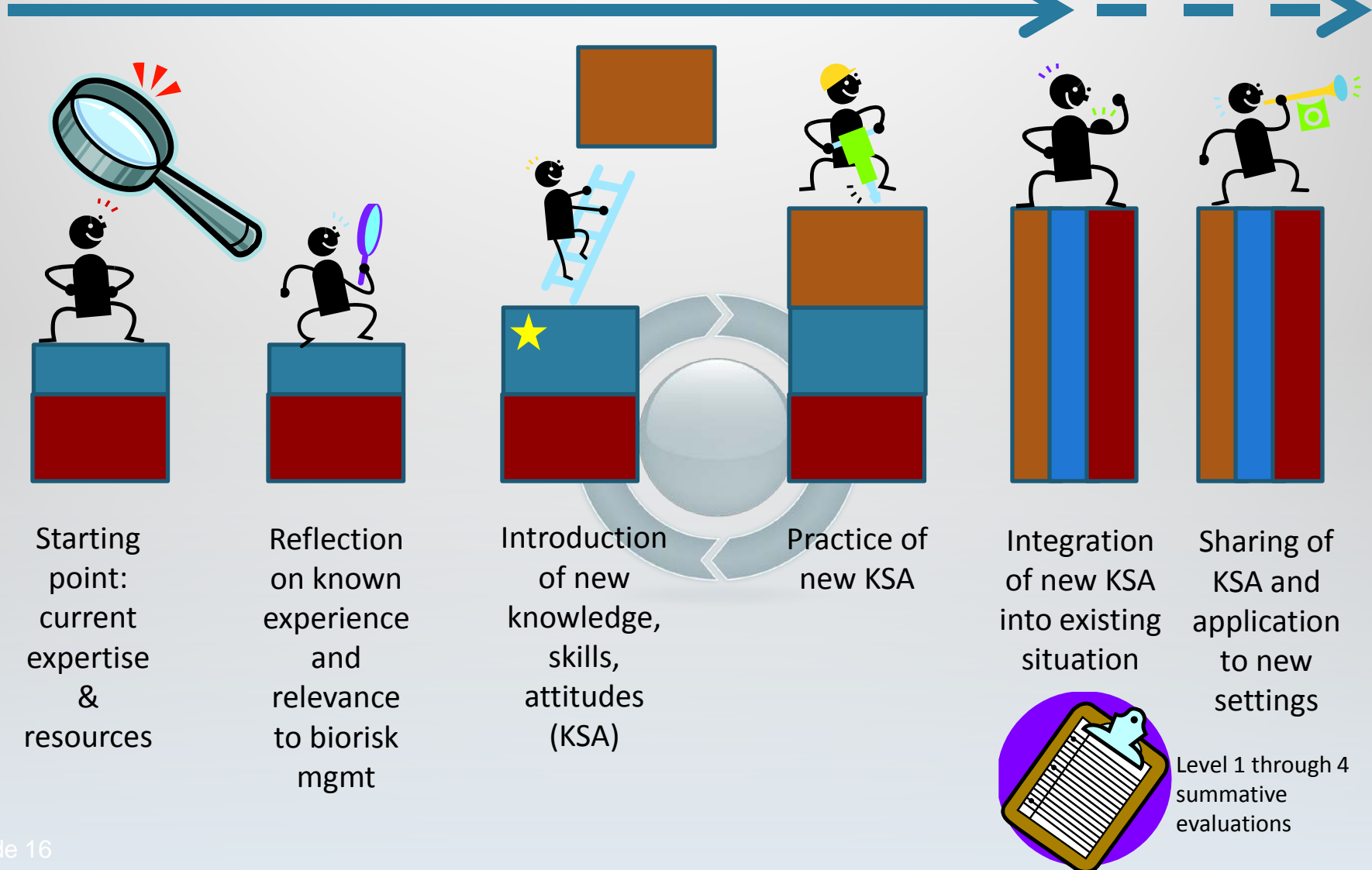
Supplement GBRMC with:

- Local
- Situation-Specific
- Regulatory
- Hands-on

Practical

In-Course Progression

Post-Course Action
= Capacity



Sustainable



- Designed for multiple learning and sensory styles
- Take-home actions
- Interactive
- Community-based
- Improvements based on ongoing, global trainer feedback



GBRMC

Successes

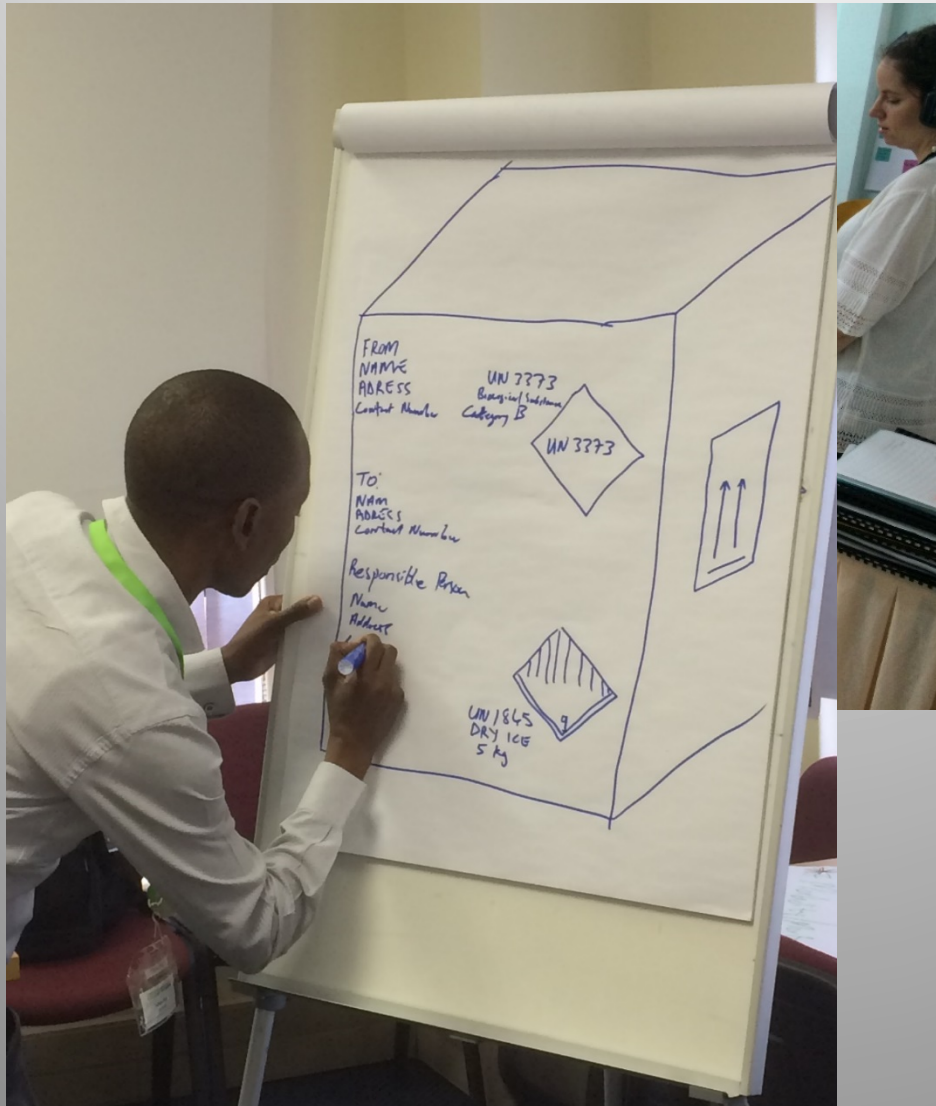


Like It



- Request longer sessions
- Convert skeptics into fans
- “Best training ever!”
- “This changed my life!”
- “Love the sticky notes!”

Learn It



- Ops & SOPs
- Management & Leadership Forums
- Tools & Templates

Use It



- Trainers
- Co-trainers
- Training Centers
- Resource Material





Thank you!



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