

Workshop on Biosecurity Curriculum Development in Yemen

Day 3: Implement and Evaluate for Biosecurity Curriculum: Action Plan

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Addis Ababa, Ethiopia

Giulio Mancini

Risa Haddal

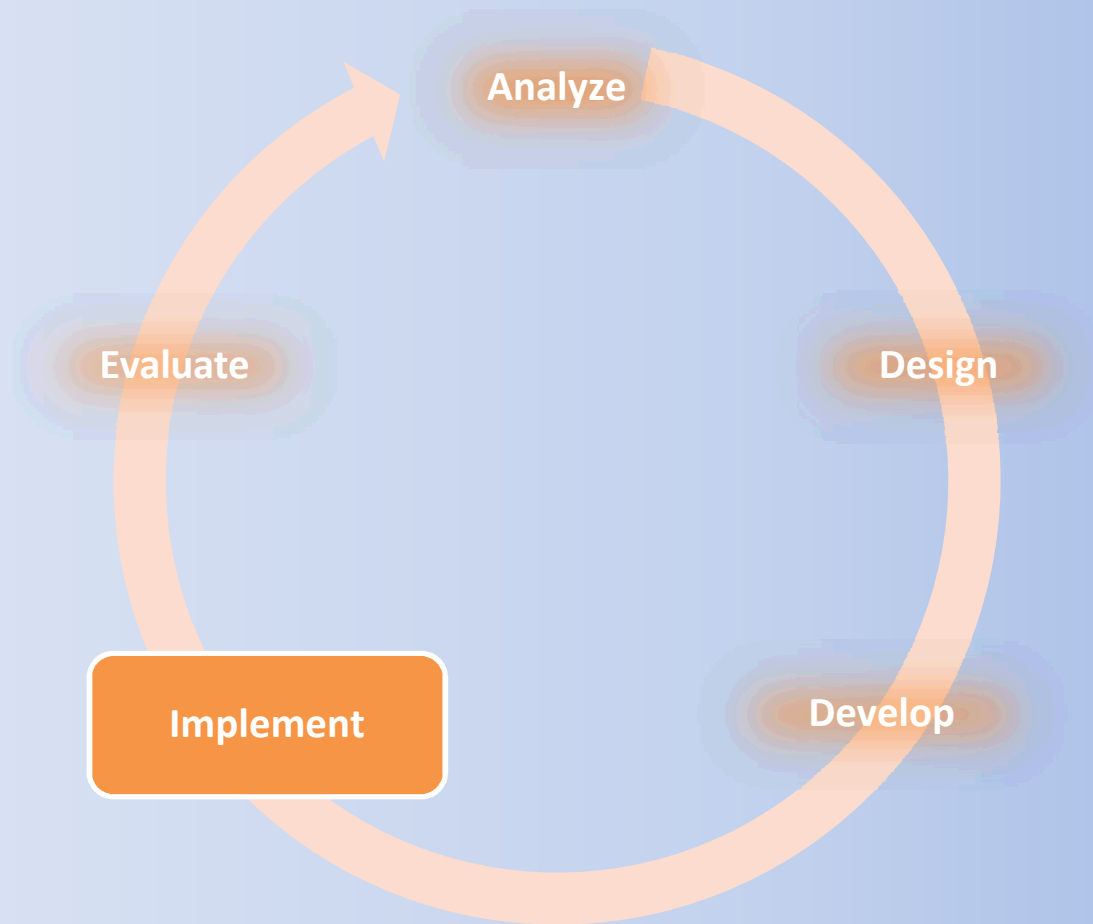


Outline of Day 3

- Implementing and Evaluating education on biosecurity/biorisk management
- Prioritization
- Action Plan for testing in 2014, identification of needs
- Longer term perspectives: introduction in curricula?



Training Design Cycle



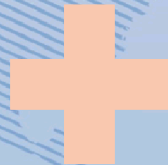
Implement

What do we have?

How do we get there?

Where do we want to go?

Person



**Knowledge,
Skills, &
Abilities**



**Desired
Actions &
Behaviors
(KFD)**

*Plus other constraints:
environment, budget,
etc.*

LET'S GO!!!

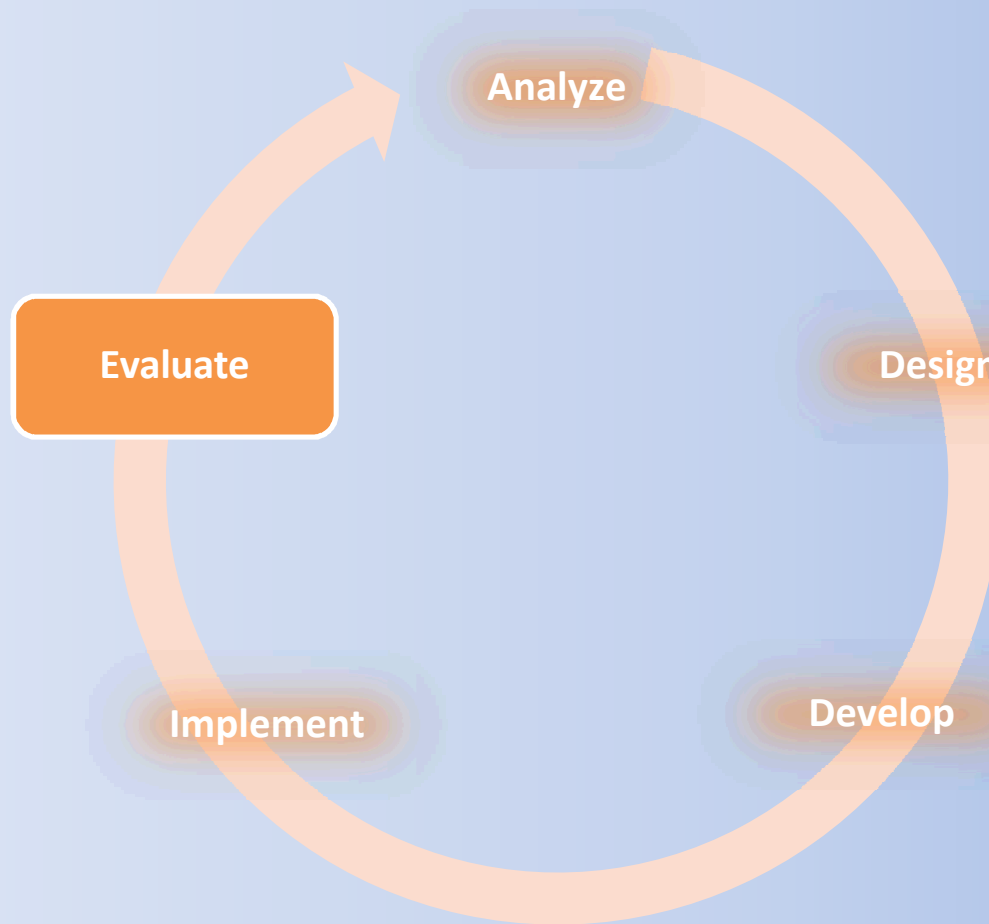


Implement - Prioritization

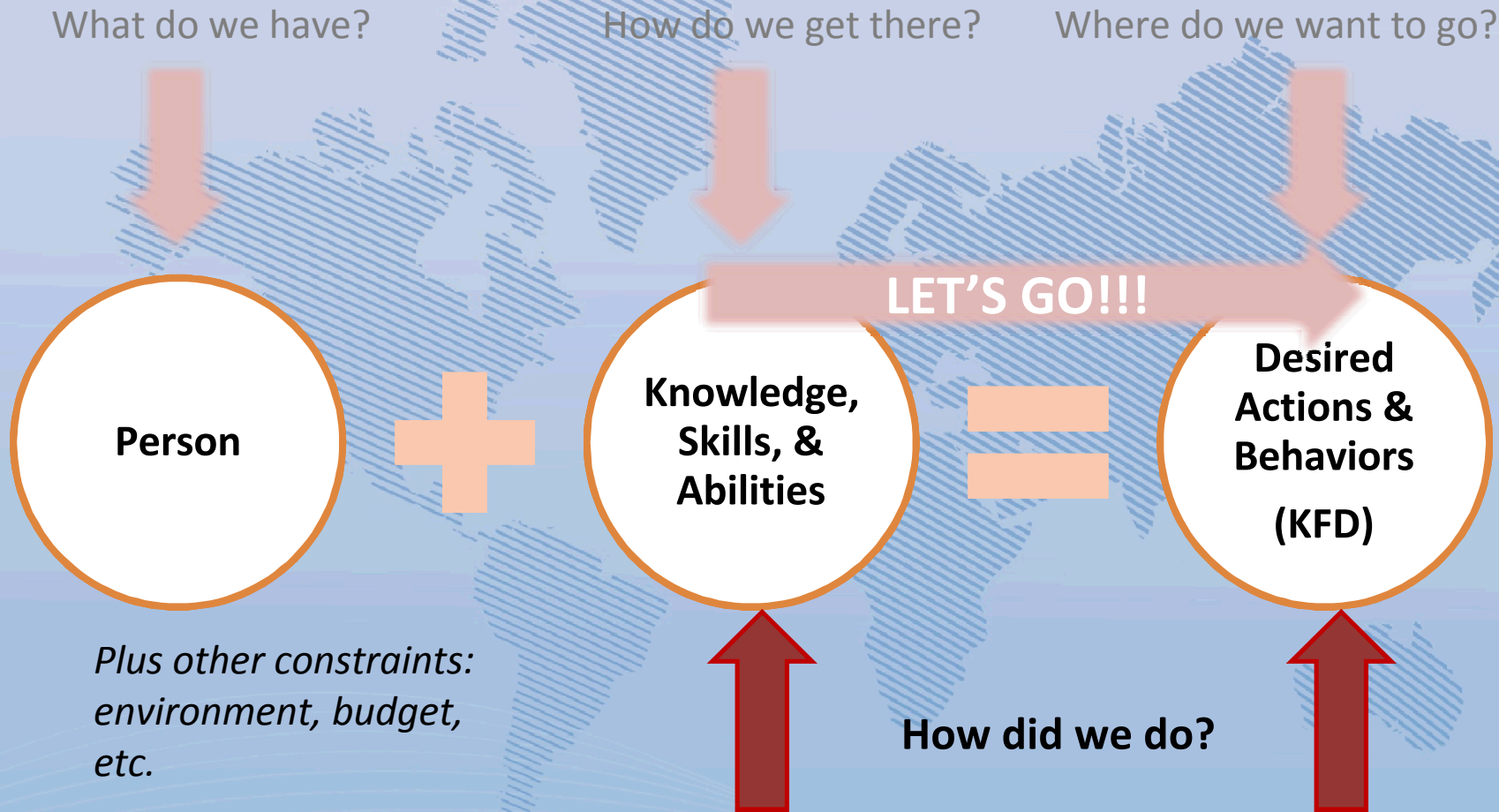
- Which learning objectives matched with existing resources and sources are more easily implementable?
- Testing materials in Universities in 2014
- What is still needed?



Training Design Cycle



Evaluate



Evaluate – Four Levels*

- Level 1
 - Was the student **happy** with the course?
- Level 2
 - Did the student **learn**?
- Level 3
 - Over time, did the student's **behavior** change to meet the desired objective?
- Level 4
 - Over time, did the **organization see improvement** in biorisk management?

*(Donald) Kirkpatrick Learning Evaluation Model



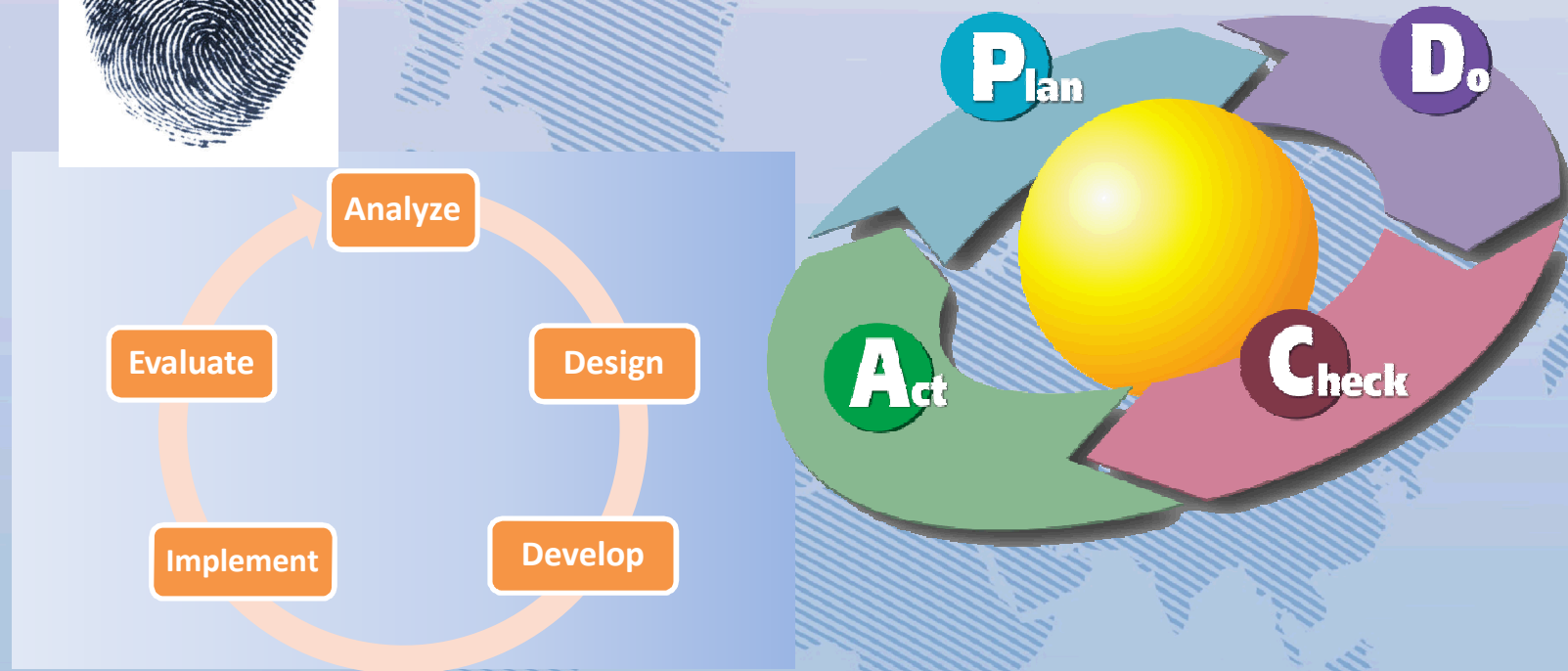
Evaluations & Instructor Debrief Feedback on Teaching Design and Development

- Critical to ongoing success of biorisk management training and capacity building
- Changes and additions to training materials will be based on these documents





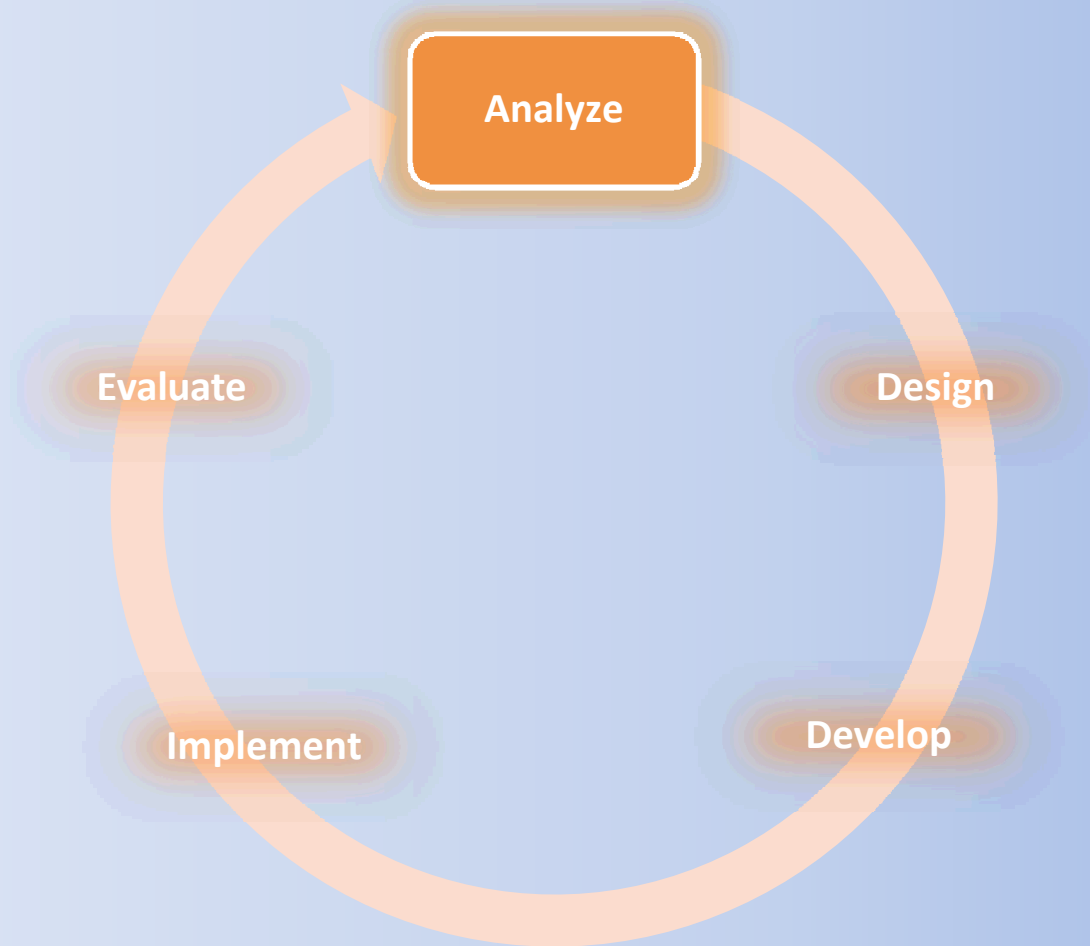
Feedback is essential!



Biorisk Management =
Assessment, Mitigation, Performance



Training Design Cycle



Wrap-Up



Action Plan to support Implementation tests in 2014

- Assemble guidelines and Action Plan to support introduction, on an experimental basis, in 2014
- Identify goals and evaluation means for 2014
- Should the Action Plan be common or different for each university/faculty? Depends on needs and gaps



Action Plan to support Implementation tests in 2014

Students (Levels/Courses)	Time	Format	Learning Objectives (KFD)	Resources	Needs and Gaps to Overcome
Undergraduate Medical Laboratory	12 hours	Lectures + Activities	<p>Raised awareness about safety and security</p> <p>Know regulations</p> <p>Be able to report incidents</p>	<p>GBRMC key messages X, KM YZ</p> <p>Bioethics</p> <p>CWA15793</p> <p>Others...</p>	<p>Access to materials</p> <p>Facilitated learning technique (large classes?)</p>

Longer Term Perspectives

- What interest and perspectives for AY14/15 and beyond
- How to include biosecurity/biorisk management in curricula reform processes?



Thank You!

