

2010



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Biorisk Management – Session 1

Biorisk Management



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Group exercise 1

Split into groups:

In your group, take 10 minutes to discuss and answer the following question:

What are the risks of working in a laboratory with biological materials?

Write down your answers and be prepared to report to the class



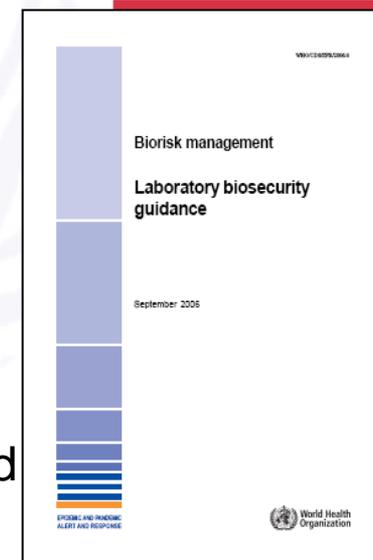
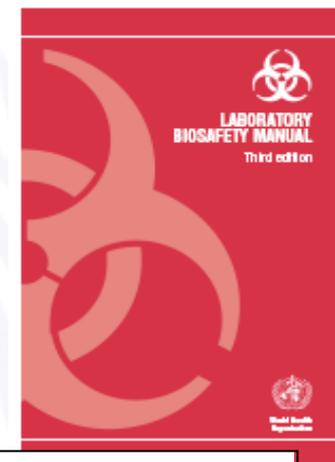


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Definitions¹

- 
Laboratory biosafety: containment principles, technologies, and practices implemented to prevent **unintentional** exposure to pathogens and toxins, or their unintentional release

- 
Laboratory biosecurity: institutional and personal security measures designed to prevent the loss, theft, misuse, diversion, or **intentional** release of pathogens and toxins



¹*Laboratory biosafety manual, Third edition* (World Health Organization, 2004)

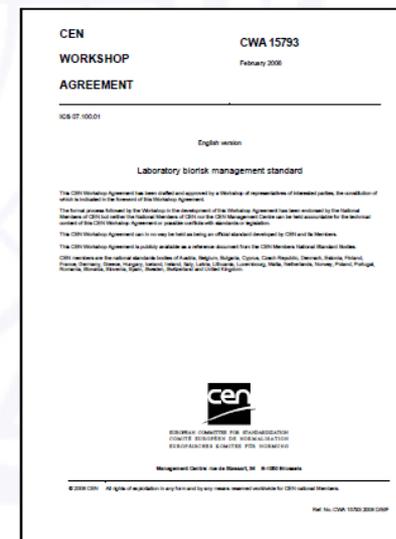


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Laboratory Biorisk Management

⚠ System or process to control **safety** and **security** risks associated with the handling or storage and disposal of biological agents and toxins in laboratories and facilities

⚠ CWA 15793:2008





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Biorisk

- ⚠ The **risk** associated with biological materials in the laboratory has a **safety** and a **security** component
- ⚠ **Biorisk** encompasses **biosafety** and **biosecurity**



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Group exercise 2

In your group, take 10 min to discuss and answer the following three questions:

How do you identify these risks?

What are some things you can do to manage these risks?

How do you know that your risk management is working, and will continue to work?

Use *post-it notes* to write down your answers, one idea per note





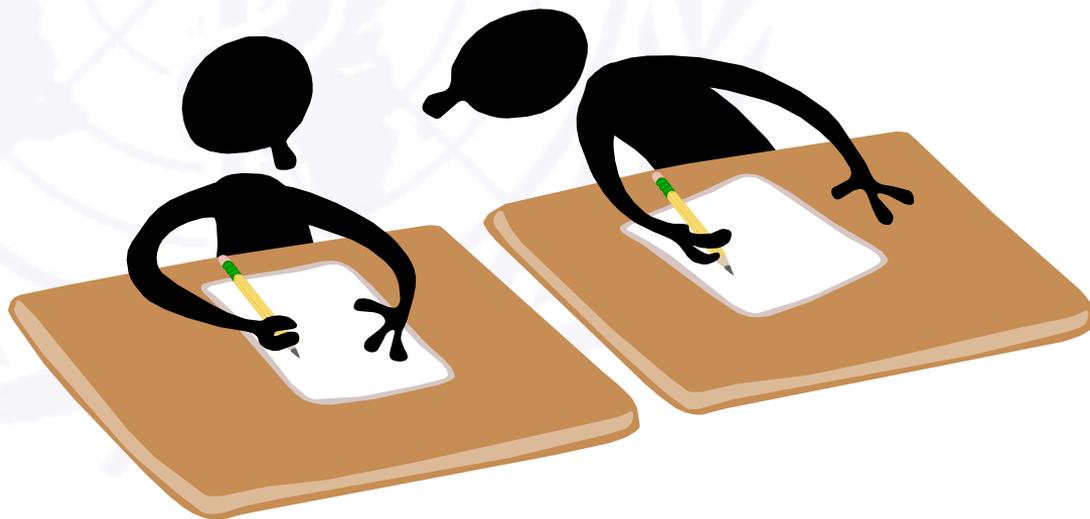
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Key Components of Biorisk Management

⚠ Biorisk Assessment

⚠ Biorisk Mitigation

⚠ Performance





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Group exercise 3

Let's get organized:

Take the *post-it notes*, and place them under one of the following columns:

Assessment	Mitigation	Performance



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Biorisk Management: the **AMP** Model

**Biorisk Management =
Assessment, Mitigation, Performance**



Key Components of Biorisk Management

- ⚠ During the next sessions, we will always refer back to the AMP model and individually address the three components

**Biorisk Management =
Assessment, Mitigation, Performance**