# Resources for the Development or Strengthening of Biosafety and Biosecurity Oversight

## 1. Inspections:
- laboratory, biosafety, biosecurity
  - Global Biorisk Management Curriculum Course Catalog “Conducting Audits and Inspections to Assess Biorisk Management Performance”
  - United States Federal Select Agent Program Preparing for Inspection
  - Public Health Agency of Canada. Laboratory Biosafety and Biosecurity Training – Inspections

## 2. Inspector training:
- Global Biorisk Management Curriculum Course Catalog
- German Biosecurity Programme. Global Partnership Initiated Biosecurity Academy for Controlling Health Threats (GIBACTH)

## 3. Biological Safety Officers: training, qualifications and responsibilities
- German Biosecurity Programme. Global Partnership Initiated Biosecurity Academy for Controlling Health Threats (GIBACTH)
- International Federation of Biosafety Associations Biorisk Management Certification Program
- United States Federal Select Agent Program Training

## 4. Laboratory personnel training:
- Global Biorisk Management Curriculum Course Catalog
- International Federation of Biosafety Associations Biorisk Management Certification Program
- Public Health Agency of Canada. Laboratory Biosafety and Biosecurity Training

## 5. Developing a national inventory of pathogens

## 6. Biological agent inventory requirements for laboratories
- Danish Centre for Bioscience and Biopreparedness, 2015. An efficient and practical approach to biosafety
- United States Federal Select Agent Program Guidance on the Inventory of Select Agents and Toxins

## 7. Pathogen risk assessments
- Public Health Agency of Canada. Pathogen Safety Data Sheets
- Canadian Biosecurity Guideline Pathogen Risk Assessment
- Federal Institute for Occupational Health and Safety, Germany. Technical Rules for Biological Agents (TRBA)

## 8. Biosecurity program
- Danish Centre for Biosecurity and Biopreparedness, 2015. An efficient and practical approach to biosecurity
- World Health Organization Guidance on implementing regulatory requirements for biosafety and biosecurity in biomedical laboratories - a stepwise approach
- Vertical Biological Weapons and Materials National Implementation Measures Programme

## 9. Biosecurity risk assessments
- Netherlands Biosecurity Office Toolkits
- Public Health Agency of Canada. Canadian Biosecurity Guideline: Conducting a Biosecurity Risk Assessment

## 10. Licensing/authorizations
- Agence national de sécurité du médicament et des produits de santé, France Demande d’autorisation (French only)
- United States Federal Select Agent Program Forms
- Public Health Agency of Canada Licensing Program

## 11. Secure information systems
- Global Biorisk Management Curriculum Course Catalog “Basic Features and Maintenance for Physical and Information Security Measures”
- United States Federal Select Agent Program eFSAP Resource Center
- United States Federal Select Agent Program Information Systems Security Controls Guidance

## 12. Biocounter:
- Singapore Ministry of Health MOH Laboratory Certification Checklist
- Federal Office for the Environment, Switzerland. Implementation guides for the use of organisms
- Federal Institute for Occupational Health and Safety, Germany. Technical Rules for Biological Agents (TRBA)

## 13. Engineering, maintenance and calibration of laboratory biosecurity equipment
- Public Health Agency of Canada Canadian Biosecurity Standard, Third Edition
- United Kingdom Health and Safety Executive, Advisory Committee on Dangerous Pathogens. Management and operation of microbiological containment laboratories
- Swiss Expert Committee for Biosafety. Recommendation of the SECB on the maintenance of BSL-2 and BSL-3 laboratories

## 14. Outreach, engagement and communication
- European Biosecurity Regulators Forum Biosecurity Resource Toolbox
- Danish Centre for Biosecurity and Biopreparedness, 2015. An efficient and practical approach to biosecurity
- Global Biorisk Management Curriculum Course Catalog “Incident Response Planning and Preparation”, “Incident Response and Investigation”, “Incident Response Evaluation and Improvement”
- Public Health Agency of Canada Notification and Reporting Under the HPTA and HPTR Using the Reporting Module of the Biosecurity Portal

## 15. Mandatory reporting/notification obligations (including incidents)
- Global Biorisk Management Curriculum Course Catalog “Incident Response Planning and Preparation”, “Incident Response and Investigation”, “Incident Response Evaluation and Improvement”
- Public Health Agency of Canada Notification and Reporting Under the HPTA and HPTR Using the Reporting Module of the Biosecurity Portal

## 16. Compliance and enforcement
- Australian Government Department of Health and Aged Care Security Sensitive Biological Agents – Internal review tool
- Public Health Agency of Canada Centre for Biosecurity Compliance and Enforcement Policy
- United States Federal Select Agent Program Severity Spectrum of Inspection Departures and Enforcement Actions

## 17. Regulatory and non-regulatory oversight measures for dual-use in the life sciences
- World Health Organization. 2022. "Global guidance framework for the responsible use of the life sciences: mitigating biorisks and governing dual-use research"
- Public Health Agency of Canada Plan for Administrative Oversight for Pathogens and Toxins in a Research Setting - Required Elements and Guidance

## 18. Dual-Use risk analysis
- World Health Organization. 2022. "Global guidance framework for the responsible use of the life sciences: mitigating biorisks and governing dual-use research"
- Netherlands Biosecurity Office Toolkits

## 19. Raising awareness of dual-use
- World Health Organization. 2022. "Global guidance framework for the responsible use of the life sciences: mitigating biorisks and governing dual-use research"
- Netherlands Biosecurity Office Toolkits