



Global Health Security Agenda

GLOBAL HEALTH SECURITY AGENDA PREVENT 3 BIOSAFETY AND BIOSECURITY UPDATE

Action Package Coordination Meeting

August 23, 2016
Jakarta, Indonesia

Leading countries: Canada, Denmark, Kenya, Peru, Portugal, and Spain

Contributing countries: Azerbaijan, Finland, Germany, Ghana, India, Jordan, Republic of Korea, Saudi Arabia, Singapore, Tanzania, Uganda, United Kingdom, and United States

Contributing International Organizations: FAO, IAEA, INTERPOL, OIE, and WHO



Objectives

- Provide overview of Action Package Prevent 3 and its objectives
- Provide an update on completed and upcoming activities
- Highlight benefits and opportunities for alignment



Overview of Action Package Prevent 3

- Action Package Prevent 3 (APP3) aims to promote national biosafety and biosecurity by providing tools and training for the development, implementation, and maintenance of national biosafety and biosecurity frameworks and oversight systems.
- Both biosafety and biosecurity aim to ensure that pathogens are identified, secured, and monitored appropriately.
 - **Biosafety** – Focuses on preventing the accidental release of pathogens by promoting national standards of practice for their safe handling and secure laboratory containment.
 - **Biosecurity** – Focuses on preventing the intentional release of pathogens by having adequate controls in place at the institutional level to mitigate biosecurity risks, including up-to-date inventories of pathogens and plans for physical and personnel security.



Five-Year National Target

A whole-of-government national biosafety and biosecurity system is in place, ensuring that:

1. Especially dangerous pathogens are identified, held, secured and monitored in a minimal number of facilities according to best practices
2. Biological risk management training and educational outreach are conducted to:
 - a. promote a shared culture of responsibility
 - b. reduce dual-use risks
 - c. mitigate biological proliferation and deliberate use threats
 - d. ensure safe transfer of biological agents
3. Country-specific biosafety and biosecurity legislation, laboratory licensing, and pathogen control measures are in place as appropriate

As measured by the number of countries who have completed a national framework and comprehensive oversight system for:

- Pathogen biosafety and biosecurity
- Strain collections
- Containment laboratories
- Monitoring systems that include identification and storage of national strain collections in a minimal number of facilities



Partnerships, Collaboration and Outreach

- APP3 has approximately **50 partnerships** underway including:
 - Canada and Jordan and PAHO Member States
 - Denmark and Kenya
 - Finland and Tanzania
 - Portugal and Guinea-Bissau
 - Spain and Spanish speaking countries in Latin America
 - United Kingdom and the Republic of Korea
 - United States biosafety and biosecurity activities in over 40 countries
 - FAO biosafety and biosecurity activities in South and South-East Asia
 - Interpol biosafety and biosecurity activities in West Africa.
- Collaboration between **East African** countries to build biosafety and biosecurity capacity
- Collaboration with the **WHO** to support revisions to the WHO Laboratory Biosafety Manual
- Alignment with biosecurity programming and country needs under the **Global Partnership Program**
- Awareness-raising and promotion with member states of the **Biological Toxin and Weapons Convention (BTWC)** and **UN Security Council Resolution (UNSCR 1540)**



Highlights from Annual 2016 Work Plan

- Assist approximately 50 countries in meeting APP3 targets, including support to policy, legislation, capacity building, training, education, infrastructure, management, analysis, information sharing and out reach
- Actively seek to strengthen the link between GHSA country assessments and international assistance by:
 - Developing and sharing APP3 resources catalogue (e.g., tools, training courses and contacts)
 - Expanding APP3 membership
 - Strengthening links with relevant for a (e.g., Global Partnership, BTWC and UNSCR 1540 Committee)
 - Taking steps to develop international courses on biosafety and biosecurity
 - Furthering discussion and examining the merits of establishing a dedicated support structure to help facilitate APP3 implementation



Completed Activities

- Since 2015, APP3 has conducted 14 teleconferences and 2 face-to-face meetings (Nairobi, March 2015; Lisbon, April 2016)
- **Canada** provided secretariat support for APP3 in 2015 and developed a draft Policy Manual to assist regions/countries with the development of their national oversight frameworks
- **Denmark** provides secretariat support for APP3 for 2016, participates in the European Biosecurity Regulators Forum, collaborates with Kenya through the Biosecurity Partnership Program, and offers international biosecurity courses
- **Finland** provides risk assessment expertise for containment level 3 laboratories, partners with Tanzania under the Action Package Detect 1, and conducts education and outreach activities
- **Portugal** has conducted education and outreach activities for biosafety and biosecurity in Portuguese-speaking countries
- **Spain** has developed a booklet on strengthening biosecurity measures
- **Interpol** has developed a biosafety training video for law enforcement
- **OIE** conducts Performance of Veterinary Services (PVS) Pathway Laboratory Missions and National Laboratory Focal Point training to address gaps in Member Countries



Upcoming Activities

- APP3 to conduct 3-4 teleconferences and/or face-to-face meeting later in 2016
- **Canada** to conduct pilot workshops using Policy Manual with priority countries (late 2016 – 2017)
- **Denmark and the United States** expected to co-fund regional conference on biosecurity in Kenya (to be confirmed)
- **Ghana** to deliver training to laboratory workers (pending funding)
- **Jordan** to acquire a modular laboratory to compliment new mobile capacity and develop a regional training centre (pending funding)
- **Kenya** to continue with laboratory certifications under ISO 9001 and implement biological safety cabinet certification at national level
- **Portugal** to host training workshops (train-the-trainer) and set up a modular laboratory
- **Tanzania** to finalize One Health Strategy and host International Health Regulations (IHR) advocacy meeting at national level
- **Uganda** to follow up on report of capacity/self-assessment and offer state-by-state accreditation of laboratories
- **Spain** to conduct education and outreach activities in Spanish-speaking countries
- **FAO** to finalize designation of three biosafety reference centres and development of biosafety and biosecurity modules
- **WHO** to prepare a needs assessment survey to support revisions to the WHO Laboratory Biosafety Manual and pilot it with APP3 members



Benefits of an Approach Taken by Prevent 3

- Clearer picture of biosafety and biosecurity challenges, capacity, expertise and resources
- Facilitates matchmaking to improve overall global health security
- Reduces duplication when requests for country assistance are made
- Increased integration of health and security sectors where it does not currently exist
- One health approach that integrates human and animal health
- Improved compliance with international commitments and obligations
- Ability to do more with less



Opportunities for Alignment

Action Package Prevent 3 provides synergistic opportunities with other international initiatives that have common biosafety and biosecurity capacity-building priorities and objectives:

- WHO: International Health Regulations
- World Organization for Animal Health (OIE): One Health and Performance of Veterinary Services (PVS) Pathway
- Global Partnership Program



Contact Information

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