



Safeguarding Science

Promoting Awareness of Chemical, Biological, Radiological, and Nuclear Security Risks, and the Potential for Dual-Use Proliferation

Background

As part of its effort to raise awareness across academia of chemical, biological, radiological, and nuclear security risks, as well as the potential for dual-use proliferation, Government of Canada partners (Public Safety, Public Health Agency of Canada, and the Canadian Nuclear Safety Commission) have developed an outreach workshop aimed at improving the cooperation between federal security partners and academic institutions hosting sensitive laboratories, and research facilities.

Safeguarding Science was born out a series of successful exploratory meetings between the academic community and federal agencies, as part of a multi-year pilot project. Based on feedback received, an outreach program was developed and is now offered to Canadian universities.

: K D W L V - X G M D " O

Dual-use refers to products, knowledge or technologies based on research, which, although conducted for legitimate purposes, have the potential to be illicitly acquired and/or exploited by others to purposely cause harm, or to threaten public health or national security.

Safeguarding Science

Canada is a society of openness and freedom. These values are especially inherent on Canadian university campuses where the sharing of information and open dialogue constitute important components of the democratic nature of our country.

7KH 3XEOLF +HDOWK \$JHQF\ RI & Biosecurity, Public Safety Canada, and the Canadian Nuclear Safety Commission recognize the tremendous value of research in nuclear and life sciences. Yet, at the same time we are mindful that research and knowledge involving, for example, radiological substances or pathogens also hold the potential to be misused by individuals or foreign entities and directed for alternate purposes, up to and including weaponization. In order to protect valuable Canadian contributions to science, we are working together to advance an awareness of chemical, biological, radiological, and nuclear security in scientific research and development.

Workshop Objectives

The objectives of this workshop are to improve cooperation between federal security partners and Canadian universities hosting sensitive laboratories. This is accomplished through:

- x Raising awareness of dual-use risks associated with chemical, biological, radiological, and nuclear research, knowledge, technology, information, and materials;
- x 8 Q G H U V W D Q G L Q J W K H * R Y H U Q F counter-proliferation considerations in relation to Canadian academic institutions and research communities; and
- x Providing resources and information to participants, in order to facilitate mitigation against these risks.

Workshop Overview

This interactive workshop is led by a multi-disciplinary team, and will include the following components:

x

