



IAEA

International Atomic Energy Agency

Atoms for Peace and Development

Webinar on a Planned Coordinated Research Project on Uncrewed Aerial, Ground, and Maritime Systems for Nuclear Security

**Organized by the
IAEA Division of Nuclear Security**

**Friday, 22 March 2024
Time: 09:00-10:30, Vienna (Austria) Time**

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Time: 17:00-18:30, Vienna (Austria) Time

Duration: 1.5 hour

Information Sheet

Introduction

Given the rapid advancements in uncrewed systems technology, including unmanned aerial vehicles (UAVs), and their growing prevalence, there's a need for research into their nuclear security implications focusing on overlooked vulnerabilities and benefits that could impact the security of nuclear facilities and the detection of [material out of regulatory control](#).

Following the IAEA [Technical Meeting on the Use of Uncrewed Aerial Systems for Radiation Detection and Surveillance](#), and the [Technical Meeting on Nuclear Security Countermeasures for Uncrewed Aerial Vehicles](#), this webinar aims to explore the interest in a potential IAEA Coordinated Research Project (CRP) on aerial, ground and maritime uncrewed systems for nuclear security. The CRP proposes a coordinated effort to amalgamate individual studies, offering actionable insights and strategies to fortify the global nuclear security framework. By delving into the complex interplay between uncrewed systems and nuclear security, the initiative aims to spearhead international collaboration, policy formulation, risk evaluation, and strategy development.

The webinar will start with an overview of the common lexicon established in the webinar on Nuclear Security Implications for Uncrewed Aerial, Ground, and Maritime Systems that took place on 20 and 21 March 2024. Following this, the speakers will delve into details regarding the IAEA CRP programme and share their first-hand experiences with CRP participation. This will be accompanied by a presentation elucidating the proposed CRP and allowing time for questions from participants. Lastly, a poll will be conducted to gauge interest in a prospective CRP on uncrewed systems.

The **webinar will be offered twice on Friday, 22 March 2024: at 09:00 CET and 17:00 CET.** The programme will be the same for both times.

Objectives

In this webinar, Member States will learn about the Coordinated Research Project processes and objectives of the planned Coordinated Research Project on Aerial, Ground, and Maritime Uncrewed Systems for Nuclear Security.

Target Audience

The webinar is intended for competent authorities' personnel with responsibilities in nuclear security, expert organizations, policy makers, regulators, front-line officers, and researchers.

Working Languages

English.

Registration

Please register for the webinar using this link not later than **21 March 2024**.

After the registration and acceptance of your participation, you will receive an electronic mail containing information on how to access the webinar by following a hyperlink to join the WebEx meeting or calling in by phone.

Registration link for 09:00 session:

<https://iaea.webex.com/weblink/register/rf8a72172e8c7d97d62e7eb364e3061dd>

Registration link for 17:00 session:

<https://iaea.webex.com/weblink/register/r9c58761f13ed5ce468bbfe1e1a24fc8a>

For additional help regarding registration, please contact Ms Kelly Jenkins, Division of Nuclear Security (DST@iaea.org) and Ms Magdalena Tonnellier (M.Tonnellier@iaea.org), Division of Nuclear Security.

The webinar presentation slides will be made available for viewing after the event at the IAEA's Nuclear Security Information Portal (NUSEC). Instructions to access the portal will be provided during the webinar.

Webinar Programme

Opening Remarks and Review of Lexicon

Mr Mark D. Ladd, *Nuclear Security Officer (Emerging Technologies), Materials Outside Regulatory Control Section, Division of Nuclear Security, Department of Nuclear Safety and Security, IAEA*

Promoting Science, Technology and Innovation through Research

Ms Mercedita Balbuena, *Research Contracts Officer, Research Contracts Administration Section, Department of Nuclear Sciences and Applications, IAEA*

A Member State's CRP Experience

Mr Nelson Agbemava, *Nuclear Regulatory Officer, Nuclear Cyber Security, Nuclear Regulatory Authority, Ghana*

Proposed CRP: Nuclear Security Implications of Uncrewed Systems

Ms Kelly Jenkins, *Nuclear Security Officer (Instrumentation & Networks), Materials Outside Regulatory Control Section, Division of Nuclear Security, Department of Nuclear Safety and Security, IAEA*

Discussion - Questions and Answers

Facilitator: Mr Robert Olsen, *Associate Nuclear Security Officer (Science & Technology), Materials Outside Regulatory Control Section, Division of Nuclear Security, Department of Nuclear Safety and Security, IAEA*

Live Poll on CRP Interest

Ms Kelly Jenkins, *Nuclear Security Officer (Instrumentation & Networks), Materials Outside Regulatory Control Section, Division of Nuclear Security, Department of Nuclear Safety and Security, IAEA*

Concluding Remarks and Next Steps

Mr Mark Ladd, *Nuclear Security Officer (Emerging Technologies), Materials Outside Regulatory Control Section, Division of Nuclear Security, Department of Nuclear Safety and Security, IAEA*