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BAVARIAN NORDIC

Theme -

# Downrange PDQ!

Date: 20th April 2010

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# Downrange PDQ!

**CBRN incidents are always going to be a question of 'dose over time,' the quicker you can get down range the faster you can save lives - and you need to get down there pretty damn quick (PDQ)! Detecting the agent, choosing the right protective ensemble and setting up the mass decon site needs to happen in the 'golden hour' to stop a disaster becoming a crisis.**

**The speakers will provide first responders, in the military and civilian forces, with key insights into what some of the leading organisations in the region, Nato and the European Union are doing to improve response. Their expertise will not only be of value to those needing to respond to the incident, but also those that need to plan the training, tactics and leadership necessary for a comprehensive response. Opportunities to learn about subjects like the Litvinenko murder will also provide scientists and academics with a clear understanding of what they will be called upon to do within the 'hot zone'.**

## SPEAKERS' HIGHLIGHTS

### **Colonel (rtd.) Randall Larsen, former Executive Director, US Congressional Commission on Weapons of Mass Destruction Proliferation and Terrorism - UNITED STATES OF AMERICA**

Colonel Randall J. Larsen, USAF (Rtd.), became the executive director of the bi-partisan, Commission on the Prevention of Weapons of Mass Destruction Proliferation and Terrorism in April 2009. The commission, led by former Senators Bob Graham (D-FL) and Jim Talent (R-MO), will issue its final report in January 2010.

Colonel Larsen previously served as the founding director of The Institute for Homeland Security (2000 - 2003), as the national security advisor at the Center for Biosecurity of the University of Pittsburgh Medical Center (2003 - 2009), and as the chairman of the Department of Military Strategy and Operations at the National War College (1998 - 2000) where he created the nation's first graduate course in homeland security.

He was one of the first witnesses to testify before the 9/11 Commission, and since 9/11 he has served as an expert witness to the Senate Armed Services, Senate Judiciary, House Government Reform, House Homeland Security, and House Budget Committee hearings. In March 2005, he designed and ran a two-day workshop and tabletop exercise for the House of Representatives Committee on Homeland Security. During the past fifteen years, his research has been focused on biological and nuclear terrorism, transportation security and government reform.

Colonel Larsen's previous leadership positions include: vice president and corporate officer (one of only five) in a 400-person consulting firm; chief of legislative liaison at the U.S. Transportation Command; and commander of America's VIP fleet of aircraft at Andrews Air Force Base Maryland, where he was responsible for 1,000 people, 47 airplanes and helicopters, and a \$150 million annual operating budget. He also served four years as an intelligence officer at the U.S. Embassy in Bangkok, Thailand.

**Dave Lavers,**  
**Director - Chemical, Biological, Radiological, Nuclear Directorate - AUSTRALIA**

Commencing his current appointment in February 2007, Dave took on the challenge of building an organisation to fill a gap within the area of Chemical, Biological, Radiological and Nuclear (CBRN) defence coordination. He spent 2007/08 identifying the roles, tasks and resources necessary to coordinate CBRN requirements within the Department of Defence. This has set the Directorate on the path to be recognised within Defence and with other government agencies as the centre of expertise for CBRN coordination.

Attending the United Kingdom CBRN Strategic Desk Officers course in 2006 provided Dave with a contemporary CBRN education. He is involved in a variety of national and international CBRN forum and regularly delivers presentations on CBRN capability issues. A focus of his work is to identify synergies that exist within and between the work that is ongoing in different CBRN forums and to ensure that Defence and Australia benefits from these.

An initial career spanning 19 years in the Australian Army provides Dave with a strong understanding of military capability requirement. As an officer in the Royal Australian Engineers, he served in a variety of staff, training and operational appointments, which included tours in East Timor as part of the INTERFET in 1999, and as the Officer Commanding of the Australian Support Company, serving as part of the UNMISSET in 2004. His final Army appointment saw him working as the Chief of Army's staff officer for CBRN.

Dave is involved in a variety of national and international CBRN forums within both a military and civilian context. He is well connected within the CBRN community, with formal and informal networks across the science, intelligence and capability community. At the recent 6th SISPAT/2nd ICOC in Singapore, Dave delivered a presentation on the subject of *How Clean is Clean*.

**Commandant Yves Dubucq**  
**Belgian Armed Forces - BELGIUM**

- Joined the army in 1976
- Engineer
- Comdr of the BEL JCBRNC
- Member of the EU PT CBRN EOD
- Created the SIBCRA teams for BEL & FRA air force
- Creator of the Finabel LL management system
- Creator of the IC management Tool

**Robert Drillien**  
**Director of Research at INSERM, WHO advisor - FRANCE**

- 1972-1976 : Junior research associate in the Virology lab of the Univ. of Strasbourg, France (Prof A. Kirn)
- 1976-1981 : Research associate at the French National Institute of Health and Medical Research (INSERM): Laboratory of Pathogenesis of Viral Infections (Strasbourg) directed by Prof. A. Kirn

- 1981-1982 : Postdoctoral position in the Department of Virology, St. Mary's Hospital Medical School, London, Great Britain (Prof. K. Dumbell)
- 1982-1986 : Research associate at INSERM, Pathogenesis of Viral Infections directed by Prof. A. Kirn
- 1986-1988 : Temporary research position at Transgène (Strasbourg, France)
- 1988-1992 : Research associate at INSERM, Pathogenesis of Viral Infections directed by Prof. A. Kirn
- 1993-1996 : Senior investigator at INSERM, Pathogenesis of Viral Infections directed by Prof. A. Kirn
- 1996-2004 : Senior investigator at the INSERM laboratory EPI 99-08 in the Blood Transfusion Center, Strasbourg (Etablissement Français du Sang) directed by Dr. D. Hanau
- 2004-present : Senior investigator at the CNRS/INSERM/University of Strasbourg laboratory of the IGBMC, Illkirch, France directed by Dr. O Pourquié

#### Current committee responsibilities

- Member of the French Gene Technology Committee (Haut Comité des Biotechnologies)
- Member of the French CEA Committee on bioterrorist threats (Prospective Scientifique sur les menaces RBC)
- Expert for the French Agency for the Safety of Medicines (AFSSAPS) in the field of Poxviruses
- Expert for the French Military Biomedical Research Institute (IRBA) in the field of Poxviruses
- Member of the WHO Advisory Committee on Variola Virus Research

### **Duncan McClure** **Health Protection Agency - UNITED KINGDOM**

Senior Commercial Group Leader of the Radiation Metrology Group of the Radiological Protection Division of the Health Protection Agency - manages a team of ten scientists.

Duncan has worked within this group since joining the HPA predecessor, the NRPB, in 1975. Duncan studied Analytical Physics at Oxford Brookes University.

Radiation Metrology Group operates the HPAs main instrument test facilities. It is involved in the Type Testing and development of radiation monitoring instruments.

Radiation Metrology also performs work for UK regulators in connection with Nuclear site de-licensing applications and other contract work for UK government departments and commercial companies, all related to instrumentation and measurement.

Duncan performed work for the UK Home Office, on the development of instrument standards for radiological equipment to be used by emergency services attending CBRN incidents.

In National emergencies Duncan fulfils the role of monitoring control and co-ordination at the RPD Emergency Centre and it is this role which brings him here today.

## PROGRAMME

### DAY 1 - 20 APRIL 2010

8.30 am	Registration and coffee
8.50 am	Chair's Welcome - Col. Dr Faizal Baharuddin, CBRNe Medical Defence Counter Measures and Capability Development Expert from the Health Services Division of the Malaysian Armed Forces
9.00 am	Opening By: YB Datuk Dr Maximus Johnity Ongkili, Minister of Science, Technology & Innovation, Malaysia
9.45 am	Speaker 2: Wing Commander Andrew Proudlove, NATO WMD Centre – The world of the WMD Centre and disease surveillance
10.30 am	Coffee/Tea break
11.00 am	Speaker 3: Col. (rtd.) Randall Larsen, former Executive Director, US Congressional Commission on Weapons of Mass Destruction Proliferation and Terrorism Title of speak: The smallpox virus - a threat assessment <ul style="list-style-type: none"><li>■ The history of the disease</li><li>■ Impact</li><li>■ Why is smallpox so dangerous</li><li>■ Likelihood</li></ul>
11.45 am	Speaker 4: Dave Lavers, Director, CBRNE Directorate, Australian Defence Force – The work of the CBRNE Directorate in assessing the threat and providing the solution
12.30 pm	Lunch
12.55 pm	Chair's Welcome – Gwyn Winfield, CBRNe World Journal
2.00 pm	Speaker 5: Commandant Yves Dubucq, Belgian Armed Forces – The new CBRN Incident Commanders Course, what it teaches us about CBRN incidents
2.45 pm	Speaker 6: Director of Research at INSERM, Robert Drillien, WHO advisor Title of speak: Synthesis of the smallpox virus <ul style="list-style-type: none"><li>■ Smallpox virology</li><li>■ State-of-the-art in the artificial synthesis of various viruses (not smallpox virus)</li><li>■ How one could make a deadly smallpox virus</li><li>■ What are the WHO guidelines for smallpox virus?</li><li>■ What are the potential consequences of generating a smallpox virus artificially</li></ul>
3.30 pm	Coffee/Tea Break
4.00 pm	Speaker 7: Duncan McClure, Health Protection Agency – Lessons learned from the assassination of Litvinenko
5.00 pm	Closing by Lt General Dato' Sri Dr Sulaiman Bin Abdullah, Director General of Health, Malaysian Armed Forces, MINDEF

### DAY 2 - 21 APRIL 2010 - 9AM TO 3PM

#### **“The Smallpox Tabletop Exercise” by Bavarian Nordic**

The tabletop exercise is exclusively open to Surgeon Generals from around the world, for the unique opportunity to meet with peers to discuss and debate the challenges of this important topic

## Delegate Fees

International  
International government  
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US\$400  
US\$350  
MYR600  
MYR350

FOR FURTHER INFORMATION, PLEASE CONTACT:

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