



## VCDNP Intensive Virtual Short Course

### “Safeguards for Policymakers: What You Need to Know”

*29 November – 3 December 2021*

*This course was made possible with the generous support of the Foreign Commonwealth and Development Office of the United Kingdom*

#### **Day 1: 29 November – What are IAEA Safeguards and How Have They Evolved?**

09:30 – 10:00 Welcome Remarks

**Elena Sokova**, VCDNP

**Jacques Baute**, IAEA

**Noah Mayhew**, VCDNP

10:00 – 11:15 Nuclear Basics

**Marc Humphrey**, IAEA

11:15 – 11:30 Break

11:30 – 12:30 The International Atomic Energy Agency and its Department of Safeguards

**Gary Dyck**, IAEA

12:30 – 13:30 Lunch

13:30 – 14:30 The NPT Regime and the Role of Safeguards

**Cristian de Francia**, IAEA

14:30 – 14:45 Break

14:45 – 16:15 IAEA Safeguards: A Journey Through Time

**Laura Rockwood**, Open Nuclear Network

#### **Day 2: 30 November – How are Safeguards Implemented?**

09:30 – 09:40 Review and Introduction to Day 2

09:40 – 10:40 Safety, Security and Safeguards

**Alberto Muti**, VERTIC

10:40 – 11:00 Break

11:00 – 12:15 Safeguards Legislation and Legislative Assistance

**Sylvain Fanielle**, IAEA

**Alberto Muti**, VERTIC

12:15 – 14:00 Lunch

14:00 – 15:00 Comprehensive Safeguards Agreements: Planning, Conducting and Evaluating Safeguards Implementation

**Sandra Munoz**, IAEA

15:00 – 15:45 “Meet and Greet” Session in Breakout Groups

### **Day 3: 1 December – How do IAEA Safeguards Work: State and Agency Perspectives?**

- 09:30 – 09:40 Review and Introduction to Day 3
- 09:40 – 10:40 Implementing an Additional Protocol  
**Daniel Baudinet**, IAEA
- 10:40 – 10:50 Break
- 10:50 – 12:15 Drawing Safeguards Conclusions  
**Susan E. Pickett**, IAEA
- 12:15 – 13:15 Lunch
- 13:15 – 14:30 Zooming In: A Day in the Life of a Safeguards Inspector  
**Prae Neeranatrangsan**, IAEA  
**Pat Zawedde**, IAEA
- 14:30 – 14:45 Break
- 14:45 – 16:00 Zooming Out: The Role of the State  
**Sylvester Attakorah Birikorang**, Ghana  
**Cameron Frears**, United Kingdom  
**Elina Martika**, Finland

### **Day 4: 2 December – How Do Safeguards Work in Practice?**

- 09:30 – 09:40 Review and Introduction to Day 4
- 09:40 – 11:00 Case Studies in Safeguards Non-Compliance  
**Laura Rockwood**, Open Nuclear Network  
*The Iraq Case*  
**Jacques Baute**, IAEA
- 11:00 – 11:15 Break
- 11:15 – 12:45 Safeguards Measures: A Verification Toolbox  
*Non-Destructive Assay and Inspector Kits*  
**Andrey Sokolov**, IAEA  
*Environmental Sampling*  
**Marc Humphrey**, IAEA  
**Ken Vilece**, IAEA  
*Containment and Surveillance*  
**Susan E. Pickett**, IAEA
- 12:45 – 13:45 Lunch

13:45 – 15:15 Safeguards Measures Continued and Emerging Technologies

*Open-Source Analysis*

**Giuliano Soderini**, IAEA

*Satellite Imagery*

**Marc Lafitte**, IAEA

*Emerging Technologies*

**Carrie Mathews**, IAEA

15:15 – 16:00 Participant Social

**Day 5: 3 December – Course Review and Tying it All Together.**

09:30 – 09:40 Review and Introduction to Day 5

09:40 – 10:40 IAEA Safeguards: Priorities and Challenges Ahead

**Jacques Baute**, IAEA

10:40 – 11:00 Break

11:00 – 13:00 Group Activity: Safeguards Game

**Noah Mayhew**, VCDNP

13:00 – 14:00 Lunch

14:00 – 15:15 Tying It All Together: Group Discussion

**Noah Mayhew**, VCDNP

**Elena Sokova**, VCDNP

**Susan E. Pickett**, IAEA

15:15 – 15:45 Evaluations and Wrap Up

15:45 – 16:00 Certificates