

# UNITAR EXECUTIVE SUMMER PROGRAMME ON INNOVATIONS IN SCIENCE DIPLOMACY

June 21 – July 2, 2021

| UNITAR Executive Summer Programme:<br>Innovations in Science Diplomacy  |  |   |   |   |
|---|--|---|---|---|
| <b>June 21:</b><br>Understanding Science Diplomacy<br><br>Setting up:<br>(a) people<br>(b) topics<br>(c) frameworks           | <b>June 22:</b><br>Science in Treaty-Making: Experience<br><br>How treaty-making really 'works'?<br><br>Chlorine Game                                  | <b>June 23:</b><br>Science in Treaty-Making: Limitations<br><br>Chlorine Game<br><br>Challenging Conventional Wisdoms | <b>June 24:</b><br>Case Studies in Science Diplomacy<br><br>Mercury Diplomacy<br>Health Diplomacy<br>Nukes + Arms Control<br>EU Regulations<br>Roundtable Debrief | <b>June 25:</b><br>Rising to the Challenge<br><br>Making the case for 'holistic integration'<br><br>Lessons from Week 1: Workshop |
| <b>June 28:</b><br>Science in Policy<br><br>Practitioner Observations<br><br>Case Study: IPCC<br><br>Interactive Memo Session | <b>June 29:</b><br>Science as a Common Interest<br><br>Balancing Interests & Informed Decisions<br><br>Role of the Diplomat in Science<br><br>SDG Game | <b>June 30:</b><br>Bold Approaches: swissnex<br><br>Diplomacy for Research and Innovation in a Digital Age            | <b>July 1:</b><br>A Day of Reflection<br><br>Interactive discussion and exercises to draw out lessons & Questions (Top Ten??)                                     | <b>July 2:</b><br>Towards Better Science Diplomacy<br><br>Highlighting lessons and takeaways<br><br>What will it Take?            |

Prof. Paul Arthur Berkman (SDC-PON)  
[paul.berkman@unitar.org](mailto:paul.berkman@unitar.org)  
[pberkman@law.harvard.edu](mailto:pberkman@law.harvard.edu)

Mr. Jonas Brunschwig (Swissnex)  
[jonas@swissnexboston.org](mailto:jonas@swissnexboston.org)

Dean David Cash (UMass)  
[david.cash@umb.edu](mailto:david.cash@umb.edu)

Prof. Maria Ivanova (UMass)  
[maria.ivanova@umb.edu](mailto:maria.ivanova@umb.edu)

Dean Adil Najam (BU)  
[anajam@bu.edu](mailto:anajam@bu.edu)

Prof. Lawrence Susskind (MIT-PON)  
[susskind@mit.edu](mailto:susskind@mit.edu)

Ms. Sophia Simmons (UNITAR)  
[Sophia.SIMMONS@unitar.org](mailto:Sophia.SIMMONS@unitar.org)

Ms. Patricia Martín de Briones (UNITAR)  
[patricia.debriones@unitar.org](mailto:patricia.debriones@unitar.org)

Mr. Rabih El-Haddad (UNITAR)  
[rabih.haddad@unitar.org](mailto:rabih.haddad@unitar.org)

## Monday – June 21, 2021

### DAY 1: Understanding Science Diplomacy

|                 |   |
|-----------------|---|
| 08:00-08:10 EDT | <b>Introductions from the United Nations Institute for Training and Research</b> <ul style="list-style-type: none"><li>Ms. Patricia Martin de Briones (UNITAR)</li><li>Mr. Rabih El- Haddad (UNITAR)</li></ul>  |
| 08:10-09:00 EDT | <b>Introduction to Science Diplomacy Programme and Participants</b> <ul style="list-style-type: none"><li>Prof. Paul Arthur Berkman (SDC-PON)</li></ul>   |
| 09:00-09:30 EDT | <b>Challenging Conventional Wisdoms about Science Diplomacy</b> <ul style="list-style-type: none"><li>Prof. Larry Susskind (MIT-PON)</li></ul>  |
| 09:30-09:45 EDT | <b>BREAK</b>  |
| 09:45-10:15 EDT | <b>Diplomacy for Science: A Short History</b> <ul style="list-style-type: none"><li>Dean Adil Najam and Prof. Erik Goldstein (BU)</li></ul>   |
| 10:15-10:45 EDT | <b>Swissnex: Breaking the Mold</b> <ul style="list-style-type: none"><li>Mr. Jonas Brunschwig (Swissnex)</li></ul>  |
| 10:45-11:15 EDT | <b>Science to Address Change</b> <ul style="list-style-type: none"><li>Prof. Maria Ivanova (UMass)</li></ul>  |
| 11:15-11:30 EDT | <b>BREAK</b>  |
| 11:30-12:30 EDT | <b>North-South Challenges in Science Diplomacy</b> <ul style="list-style-type: none"><li>Honored Address: Prof. Zakri Abdul Hamid (Malaysia)</li><li>Honored Address: Amb. Judi Wakhungu (Kenya)</li><li>Dean Adil Najam (moderator – Pakistan)</li></ul> |
| 12:30-12:45 EDT | <b>Wrap Up</b>  |

## Tuesday – June 22, 2021

### DAY 2: Science in International Treaty-Making: Experience

How do countries implement their obligations under multilateral environmental treaties? Why and what can be done about it?

|                   |   |
|-------------------|---|
| 08:00 – 08:15 EDT | <b>Debrief from Day 1</b>   |
| 08:15 – 09:45 EDT | <b>International Treaty-Making System in a Nutshell</b> <ul style="list-style-type: none"><li>Prof. Larry Susskind (MIT-PON)</li></ul>  |
| 09:45 – 10:00 EDT | <b>BREAK</b>  |
| 10:00 – 10:30 EDT | <b>Multilateral Environmental Agreements: Tackling Pollution and Conservation</b> <ul style="list-style-type: none"><li>Prof. Maria Ivanova and Prof. Natalia Escobar-Pemberthy (UMass)</li></ul>                               |
| 10:30 – 11:00 EDT | <b>A Negotiator's View: Ethiopia in Climate and Chemicals</b> <ul style="list-style-type: none"><li>Mr. Wondwossen Sintayehu, Ethiopian negotiator on climate change and mercury (University of Massachusetts Boston)</li></ul> |
| 11:00 – 11:15 EDT | <b>BREAK</b>  |
| 11:15 – 12:15 EDT | <b>Measuring Implementation: National Report Cards</b> <ul style="list-style-type: none"><li>Prof. Maria Ivanova and Prof. Natalia Escobar-Pemberthy (UMass)</li></ul>  |
| 12:15-12:30 EDT   | <b>Assignment Overview: Chlorine Game</b> <ul style="list-style-type: none"><li>Prof. Larry Susskind (MIT-PON)</li></ul>  |

## Wednesday – June 23, 2021

### DAY 3: Science in International Treaty-Making: Limitations

What are some of the new ways of involving scientists, industry leaders and public officials in the process of science-intensive global policy-making?

|                 |   |
|-----------------|---|
| 08:00-08:15 EDT | Debrief from Day 2  |
| 08:15-08:30 EDT | Introduction to Chlorine Game <ul style="list-style-type: none"><li>• Prof. Larry Susskind (MIT-PON)</li></ul>                                |
| 08:30-08:50 EDT | Chlorine Game: Role Pairings <ul style="list-style-type: none"><li>• Prof. Larry Susskind (MIT-PON)</li></ul>                                 |
| 08:50-09:15 EDT | Chlorine Game: Plenary Introduction (Chair)   |
| 09:15-10:00 EDT | Chlorine Game: Brainstorming  |
| 10:00-11:15 EDT | Chlorine Game: Negotiate Skeletal Treaty Draft  |
| 11:15-11:30 EDT | BREAK   |
| 11:30-12:15 EDT | Chlorine Game: Debriefing <ul style="list-style-type: none"><li>• Prof. Larry Susskind (MIT-PON)</li></ul>                                    |
| 12:15-12:45 EDT | Re-Imagining Our Assumptions about Science and Diplomacy – I <ul style="list-style-type: none"><li>• Prof. Larry Susskind (MIT-PON)</li></ul> |
| 12:45-13:00 EDT | Wrap Up (Assign Reflection)   |

## Thursday – June 24, 2021

### DAY 4: Case Studies in Science Diplomacy – I

What can we learn from seasoned practitioners and past experience in science diplomacy in a variety of fields and at a variety of levels that can guide us on towards new innovations in science diplomacy?

|                 |   |
|-----------------|---|
| 08:00-08:15 EDT | Debrief from Day 3 and Introduction <ul style="list-style-type: none"><li>• Dean Adil Najam (BU)</li></ul>  |
| 08:15-09:00 EDT | Mercury Diplomacy <ul style="list-style-type: none"><li>• Prof. Henrik Selin (Boston University)</li></ul>  |
| 09:00-09:45 EDT | Pandemic Diplomacy <ul style="list-style-type: none"><li>• Prof. Mark C. Storella (Boston University)</li></ul>   |
| 09:45-10:00 EDT | BREAK   |
| 10:00-10:45 EDT | Food Diplomacy <ul style="list-style-type: none"><li>• Prof. Vesko Garčević (Boston University)</li></ul>   |
| 10:45-11:30 EDT | Cybersecurity Diplomacy <ul style="list-style-type: none"><li>• Prof. Jack Weinstein (Boston University)</li></ul>  |
| 11:30-11:45 EDT | BREAK   |
| 11:45-12:45 EDT | Lessons Panel: Connecting the Dots <ul style="list-style-type: none"><li>• Workshop Contributors (Boston University)</li><li>• Dean Adil Najam (moderator – BU)</li></ul> |

12:45-13:00 EDT      **Wrap Up**

## Friday – June 25, 2021

### DAY 5: Synthesis and Synergies: Rising to the Challenge

**What are some of the ways moving that science-intensive policy-making on a multilateral scale might be improved?**

08:00-08:15 EDT      **Debrief from Day 4**

08:15-08:45 EDT      **Holistic Integration and Transdisciplinary Research**

- Prof. Paul Arthur Berkman (SDC-PON)

08:45-09:30 EDT      **Fireside Chat: Learning from Failure and Success: Copenhagen & Paris**

- Dean Adil Najam (BU) and Prof. Paul Arthur Berkman (SDC-PON)

09:30-09:45 EDT      **BREAK**

09:45-10:30 EDT      **Re-Imagining Our Assumptions about Science and Diplomacy – II**

- Prof. Larry Susskind (MIT-PON)

10:30-11:15 EDT      **Re-Imagining Our Assumptions about Science and Diplomacy – III**

- Prof. Larry Susskind (MIT-PON)

11:15-11:30 EDT      **BREAK**

11:30-12:00 EDT      **Week 1 Synthesis and Wrap Up**

## Monday – June 28, 2021

### DAY 6: Science in Policy

**How can the science-policy interface be structured so that science can be seen as salient, credible and legitimate in the eyes of busy decision makers?**

08:00 – 08:15 EDT      **Debrief from Day 5**

08:15 – 09:00 EDT      **Negotiating Science-Heavy Topics: The Negotiator Experience**

- Dr. Rebecca Gaudiosi (University of Massachusetts Boston)

09:00 – 09:30 EDT      **Introduction to Salience, Credibility and Legitimacy and Memo Exercise**

- Dr. David Cash, Prof. Maria Ivanova, and Dr. Rebecca Gaudiosi (UMass)

09:30 – 09:45 EDT      **BREAK**

09:45 – 10:45 EDT      **Breakout Group Activity: Salience, Credibility and Legitimacy Memo Drafting re: Chlorine Game(cont'd.)**

- Dr. David Cash, Prof. Maria Ivanova, and Dr. Rebecca Gaudiosi (UMass)

10:45 – 11:00 EDT      **BREAK**

11:00 – 12:30 EDT      **Plenary Presentations and Discussion of the Memos and Connection to Real Experiences of Salience, Credibility and Legitimacy**

- Dr. David Cash, Prof. Maria Ivanova and Dr. Rebecca Gaudiosi (UMass)

12:30 – 12:45 EDT      **Wrap Up**



## Tuesday – June 29, 2021

### DAY 7: Science as a Common Interest

How can common-interest building be applied to promote cooperation as well as prevent conflict among allies and adversaries alike?

|                 |  |
|-----------------|--|
| 08:00-08:15 EDT | Debrief from Day 6   |
| 08:15-09:00 EDT | <b>Roles of the Scientist with Diplomacy: A Personal Journey</b> <ul style="list-style-type: none"><li>• Prof. Paul Arthur Berkman (SDC-PON)</li></ul>   |
| 09:00-09:30 EDT | <b>Roles of the Diplomat with Science: Contributing When not Invited in the Room</b> <ul style="list-style-type: none"><li>• Mr. Jonas Brunschwig (Swissnex)</li></ul>   |
| 09:30-09:45 EDT | BREAK  |
| 09:45-10:45 EDT | <b>Becoming a Science Diplomat in Your City</b> <ul style="list-style-type: none"><li>• Mapping of Science and Technology Diplomatic Networks<ul style="list-style-type: none"><li>○ Boston Innovation Ecosystem: Ms. Konstantina Gota (Greece)</li><li>○ Lisbon Innovation Ecosystem: Dr. Marta Abrantes (Portugal)</li></ul></li><li>• Prof. Arthur Berkman (moderator – (SDC-PON)</li></ul> |
| 10:45-11:15 EDT | <b>Balancing Interests Across Jurisdictions with Informed Decisions</b> <ul style="list-style-type: none"><li>• Prof. Paul Arthur Berkman (SDC-PON)</li></ul>  |
| 11:15-11:30 EDT | BREAK  |
| 11:30-12:45 EDT | <b>Common-Interest Building: Training Game</b> <ul style="list-style-type: none"><li>• Prof. Paul Arthur Berkman (SDC-PON)</li></ul>   |
| 12:45-13:00 EDT | Wrap Up  |

## Wednesday – June 30, 2021

### DAY 8: Bold Approaches in Diplomacy

What are some new and different approaches in science and technology diplomacy and how can they be deployed to achieve various objectives?

|                   |   |
|-------------------|---|
| 08:00 – 08:15 EDT | Debrief from Day 7  |
| 08:15 – 08:45 EDT | <b>Drones Case Study – Swissnex Perspective: Aerial Futures: The Drone Frontier</b> <ul style="list-style-type: none"><li>• Mr. Jonas Brunschwig (Swissnex)</li></ul>   |
| 08:45 – 09:30 EDT | <b>Drones Case Study – Stakeholder Perspective: Federal Office of Civil Aviation</b> <ul style="list-style-type: none"><li>• Mr. Lorenzo Murzilli (formerly Swiss Federal Office of Civil Aviation)</li></ul>   |
| 09:30 – 09:45 EDT | BREAK   |
| 09:45 – 11:00 EDT | <b>Confessions of a Diplomat in Science</b> <ul style="list-style-type: none"><li>• Amb. Paul Hare (Boston University)</li><li>• Amb. Alexandre Fasel (Switzerland)</li></ul>   |
| 11:00 – 11:15 EDT | BREAK   |
| 11:15 – 12:30 EDT | <b>Drones Activity – Zanzibar Mapping Initiative</b> <ul style="list-style-type: none"><li>• Ms. Khadija Abdulla Ali (Zanzibari Drone Pilot)</li><li>• Mr. Mohammed Zahran (Zanzibar Commission of Lands)</li><li>• Mr. Jonas Brunschwig (Swissnex)</li></ul> |
| 12:30-12:45 EDT   | Wrap Up   |

## Thursday – July 1, 2021

### DAY 9: Case Studies in Science Diplomacy – II

How does science contribute to informed decisionmaking short-to-long term “for the benefit of all on Earth across generations”?

08:00-08:15 EDT

**Debrief from Day 8**

08:15-09:30 EDT

**Panel – International Science and Technology (S&T) Advice**

- Participants from: International Science Council (ISC); Foreign Ministries S&T Advice Network (FMSTAN); International Network for Government Science Advice (INGSA); and Science Policy in Diplomacy and External Relations Network (SPIDER)
  - Dr. Vaughan Turekian (FMSTAN and INGSA – United States)
  - Dr. Heide Hackmann (ISC – France)
  - Mr. Niccolò Iorno (FMSTAN – Switzerland)
  - Dr. Ana Elorza Moreno (FMSTAN, INGSA and SPIDER – Spain)
  - Dr. Jan Marco Müller (INGSA – European Union)
- Prof. Paul Arthur Berkman (moderator – SDC-PON)

09:30-09:45 EDT

**BREAK**

09:45-11:15 EDT

**Panel – CERN Model of Peaceful Worldwide Research Collaboration to Address Global Challenges**

- Participants from the European Council for Nuclear Research (CERN), European Southern Observatory (ESO), International Particle Physics Outreach Group (IPPOG), South-East European International Institute for Sustainable Technologies (SEEIIST) and Synchrotron-light for Experimental Science and Applications in the Middle East (SESAME)
  - Dr. Archana Sharma (CERN – Switzerland)
  - Prof. Sir Chris Llewellyn Smith (CERN and SESAME – United Kingdom)
  - Dr. Sanja Damjanovic (SEEIIST – Montenegro)
  - Prof. Xavier Barcons (ESO – Spain)
  - Dr. Barbora Bruant Gulejova (moderator – IPPOG-CERN – Switzerland)
- Prof. Paul Arthur Berkman (panel introduction – SDC-PON)

11:15-11:30 EDT

**BREAK**

11:30-12:30 EDT

**Panel – S&T Diplomatic Circle (S&TDC) of Boston**

- Participants from among 65+ diplomatic missions in Boston
  - Participants from among 65+ diplomatic missions in Boston
  - H.E. Lucius Lichte (S&TDC Co-Chair, Germany)
  - H.E. Stratos Efthymiou (Consul General, Greece)
  - H.E. Alberto Fierro Garza (Consul General, Mexico)
  - H.E. Martijn Lammers (Strategic Director, Netherlands)
  - H.E. Benjamin Bolmann (Consul General, Switzerland)
  - H.E. Ceylan Özen Erişen (Consul General, Turkey)
- Prof. Paul Arthur Berkman and Dean Adil Najam (moderator – SDC-PON/BU)

12:30-12:45 EDT

**Wrap Up with Final Assignment (*Personal Theory of Science Diplomacy*)**

## Friday – July 2, 2021

### DAY 10: Towards Better Science Diplomacy

|                 |   |
|-----------------|---|
| 08:00-08:15 EDT | <b>Debrief from Day 9</b>   |
| 08:15-08:45 EDT | <b>What Will It Take: New Roles for Science &amp; Diplomacy</b> <ul style="list-style-type: none"><li>• Prof. Larry Susskind (MIT-PON)</li></ul>                                    |
| 08:35-09:30 EDT | <b>Dialogue: How do we build alliances in advance of when they are needed?</b> <ul style="list-style-type: none"><li>• All</li></ul>  |
| 09:30-09:45 EDT | <b>BREAK</b>  |
| 09:45-10:30 EDT | <b>Dialogue: How do we change communications between science and policy?</b> <ul style="list-style-type: none"><li>• All</li></ul>  |
| 10:30-11:15 EDT | <b>Dialogue: How do we build institutional norms and arrangement that enhance systems with science and technology advice?</b> <ul style="list-style-type: none"><li>• All</li></ul> |
| 11:15-11:30     | <b>BREAK</b>  |
| 11:30-12:30 EDT | <b>Exercise: ‘Top Ten Lessons’ with Science Diplomacy</b> <ul style="list-style-type: none"><li>• All</li></ul>   |
| 12:30-12:50 EDT | <b>Final Participant Evaluation</b> <ul style="list-style-type: none"><li>• All</li></ul>   |
| 12:50-13:00 EDT | <b>Final Appreciation</b> <ul style="list-style-type: none"><li>• H.E. Nikhil Seth (Executive Director UNITAR)</li></ul>  |