



**Venice International University**  
**Summer School**  
**Science Diplomacy: Improving Capacity of Science to Inform Policy**  
**July 18-23, 2022**

**Faculty**

William Pan, Duke University, USA (Scientific Coordinator)  
Giulia Costa, Tor Vergata University of Rome, Italy  
Philip Landrigan, Boston College, USA  
Kurt Straif, Boston College, USA, and ISGlobal, Barcelona, Spain  
Sonia Silvestri, University of Bologna, Italy  
Christian Lara, United Nations Senior Emergency Coordination Officer, Duke University  
Rethinking Diplomacy Fellow  
Marga Gual Soler, Senior Science Diplomacy Advisor, Geneva Science and Diplomacy Anticipator (GESDA)

**Program**

**Monday, July 18, 2022**

|          |                                                                                                                                                                                                       |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9:00 AM  | <b>Registration</b>                                                                                                                                                                                   |
| 9:30 AM  | <b>Faculty introductions</b><br><i>William Pan, Kurt Straif, Sonia Silvestri, Giulia Costa, Marga Gual Soler</i>                                                                                      |
| 10:00 AM | <b>Fundamentals of Science Diplomacy</b><br><i>Marga Gual Soler</i>                                                                                                                                   |
| 11:00 AM | <i>Break</i>                                                                                                                                                                                          |
| 11:15 AM | <b>Ice breakers &amp; Science Diplomacy Case Study in your groups</b><br><i>Marga Gual Soler</i><br><i>All faculty participating</i>                                                                  |
| 12:30 PM | <i>Lunch</i>                                                                                                                                                                                          |
| 1:30 PM  | <b>Science Diplomacy at The World Academy of Sciences</b><br><i>Peter McGrath, Coordinator of the Science Diplomacy Unit, The World Academy of Sciences and Secretariat, InterAcademy Partnership</i> |
| 2:30 PM  | <i>Break</i>                                                                                                                                                                                          |
| 2:45 PM  | <b>Science Advice vs. Advocacy vs. Communication</b><br><i>Marga Gual Soler</i><br><i>All faculty participating</i>                                                                                   |



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- 3:15 PM **Student Presentations**  
4 students present back-to-back, then form panel for 5-minute Q&A
- 4:00 PM *Break*
- 4:15 PM **Student Presentations**
- 5:15 PM **What to Prepare for Tuesday & Adjourn**  
*William Pan, Sonia Silvestri, Giulia Costa*

#### Tuesday July 19, 2022

- 9:00 AM **Venice Lagoon & MOSE**  
*Sonia Silvestri*
- 10:30 AM *Break*
- 11:00 AM **Discussion - challenges of public acceptance of MOSE**  
*Sonia Silvestri*
- 12:30 PM *Lunch*
- 1:30 PM **Field Trip to MOSE**  
*Sonia Silvestri, Giulia Costa*
- 5:30 PM *Return*

#### Wednesday July 20, 2022

- 9:00 AM **Solid Waste Management solutions – the case of waste to energy plants**  
*Giulia Costa*
- 10:30 AM *Break*
- 11:00 AM **Group discussion on technical solutions & public acceptance**  
*Giulia Costa, Sonia Silvestri*
- 12:30 PM *Lunch*
- 1:30 PM **Group Case Studies**  
*Giulia Costa, Sonia Silvestri*
- 3:30 PM *Break*
- 4:00 PM **Groups Report back and discussion**  
*Giulia Costa, Sonia Silvestri*
- 5:00 PM *Adjourn*

#### Thursday July 21, 2022

- 9:00 AM **Global Public Health and Pollution  
Framework of Hazard identification, Risk Assessment, and Risk Management**  
*Kurt Straif*
- 10:30 AM *Break*
- 11:00 AM **Cancer and NCDs**  
*Kurt Straif*



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|----------|-------------------------------------------------------------------------------------------------|
| 12:30 PM | Lunch                                                                                           |
| 1:30 PM  | <b>Selected current issues in causal inference, Discussion of recent and prominent examples</b> |
| 3:00 PM  | Break                                                                                           |
| 4:00 PM  | <b>Group Case Studies</b>                                                                       |
| 5:00 PM  | Adjourn                                                                                         |

### Friday July 22, 2022

|                  |                                                                             |
|------------------|-----------------------------------------------------------------------------|
| <u>READINGS:</u> | 1. PREFACE: The End of Epidemics 2020, 2021                                 |
|                  | 2. He et.al., 2022 "Social insights on the implementation of One Health..." |
|                  | 3. Brucellosis Prep Guide                                                   |
|                  | 4. Avian Influenza Case Study                                               |

### SCHEDULE:

|          |                                                                                                                                                         |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9:00 AM  | <b>Pandemic Preparedness<br/>COVID &amp; Risk Communication<br/>Preparedness Indices: GHSI (Italy) vs. NHSPI (North Carolina)</b><br><i>William Pan</i> |
| 10:30 AM | Break                                                                                                                                                   |
| 11:00 AM | <b>Group Case Study: Pandemic Preparedness Indices and novel Avian Influenza</b><br><i>William Pan</i>                                                  |
| 12:00 AM | <b>Groups report back</b>                                                                                                                               |
| 12:30 PM | Lunch                                                                                                                                                   |
| 1:30 PM  | <b>Tripartite &amp; One Health core competencies for pandemic response</b><br><i>William Pan, Christian Lara</i>                                        |
| 2:30 PM  | Break                                                                                                                                                   |
| 3:00 PM  | <b>Brucellosis Case study</b><br><i>William Pan, Christian Lara</i>                                                                                     |
| 5:00 PM  | Adjourn                                                                                                                                                 |

### Saturday July 23, 2022

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|----------|------------------------------------------------------------------------------------------------------------|
| 9:00 AM  | <b>Experiences with the War in Ukraine<br/>Global trends in Science Diplomacy</b><br><i>Christian Lara</i> |
| 10:15 AM | Break                                                                                                      |
| 10:30 AM | <b>Discussion Groups: Science Diplomacy in a post-COVID, post-Ukraine war age</b><br><i>Christian Lara</i> |
| 11:00 AM | <b>Group reports (5 minute summaries). Assign Group Rapporteur &amp; Speaker</b><br><i>Christian Lara</i>  |
| 11:30 AM | <b>Wrap-up with Faculty and Farewell Reception</b>                                                         |
| 12:30 PM | Adjourn                                                                                                    |