

Americas Conference on Solar Radiation Modification: Science, Governance and Implications for the Region



**24-25 August 2022
University of the West Indies
Kingston, Jamaica**

Day 1

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| 8:30 – 9:00 | | |
| Registration | | |
| 9:00 – 9:30 | <ul style="list-style-type: none"> - The Honorable Daryl Vaz, Minister of Science, Energy and Technology - H.E., Dr. Lasford Emilio Douglas, Ambassador of Panama to Jamaica - Representative from the University of the West Indies, Prof. Aldrie Henry-Lee, Pro Vice-Chancellor, Graduate Studies and Research - IAI Executive Director, Dr. Marcos Regis da Silva | |
| 9:30 – 10:15 | <p>Briefing - overview of the general concept of SRM:</p> <ul style="list-style-type: none"> - Why is there growing interest in this idea (risks of overshoot)? - Why is it so controversial? Why might it be necessary for society? - Why is it being considered? What does the IPCC say about SRM? - What are the risks and benefits of SRM? socio-political and scientific considerations; general talking points about | <p>Dr. Thelma Krug, Vice Chair, IPCC</p> <p>Dr. Paulo Artaxo, Professor of Applied Physics, University of São Paulo</p> |

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| | feasibility and financial considerations | |
| 10:15 – 10:45 | | |
| Break | | |
| 10:45 – 11:45 | <p>Briefing to discuss:</p> <ul style="list-style-type: none"> - What is SRM? - How would it be done: the different proposed techniques - Feasibility and direct costs - The impacts: what research has told us about how SRM would affect the climate <ul style="list-style-type: none"> • Basic climate variables like temperatures and precipitation • Effect on health, biodiversity, agriculture, regional climate, etc. - Unknowns and uncertainties in SRM science - Socio-political issues <ul style="list-style-type: none"> • Moral hazard and reverse moral hazard • Slippery slope • Ethics • Political and economic dynamics - Summary <ul style="list-style-type: none"> • Key messages about SRM • How we might think about it | <p>Dr. Douglas MacMartin, Senior Research Fellow, Sibley School of Mechanical and Aerospace Engineering, Cornell University</p> <p>Dr. Kate Ricke, Assistant Professor, Climate Sciences, Scripps Institution of Oceanography and School of Global Policy and Strategy, University of California</p> <p>Dr. Steven Kendall, Program Officer, U.S. National Academy of Sciences (Moderator)</p> |
| 11:45 – 12:30 | <i>Discussion and questions</i> | Dr. Steven Kendall (Moderator) |

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| 12:30 – 14:00 | | |
| Lunch | | |
| 14:00 – 15:00 | Panel discussion with speakers from other regions | <p>Mr. Andy Parker, Founder and CEO, Degrees Initiative</p> <p>Dr. Chris Lennard University of Cape Town</p> <p>Mr. Bilal Anwar, Chief Executive Officer, National Disaster Risk Management Fund, Pakistan</p> <p>Moderated by Andy Parker, Founder and CEO, Degrees Initiative</p> |
| 15:00 – 15:30 | | |
| Break | | |
| 15:30 – 16:30 | Views from the Americas (10 min presentations followed by 5 min for questions after each presentation) | <p>Dr. Paulo Artaxo, Professor of Applied Physics, University of São Paulo</p> <p>Dr. Inés Camilloni, Associate professor, Department of Atmospheric and Ocean Sciences, University of Buenos Aires and Researcher, Del Mar Atmosphere Research Center</p> <p>Dr. Michael Taylor, Dean of the Faculty of Science and Technology; Senior Lecturer; Professor, University of West Indies</p> |

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| | | Dr. Marcos Regis da Silva, Executive Director, IAI (Moderator) |
| 16:30 – 17:00 | Discussion on next steps for the Americas (funding, how to raise awareness on SRM at the regional level, regional issues) | Dr. Marcos Regis da Silva, Executive Director, IAI (Moderator) |

Day 2

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| 9:00 – 9:15 Introduction to Day 2 | How Climate Change is affecting the livelihoods of Jamaicans | Mrs. Farrah Hansel Murray, Science and Technology Development Planner, Planning Institute of Jamaica Ms. Ashley Codner Sustainable Development Specialist Dr. Marcos Regis da Silva, Executive Director, IAI (Moderator) |
| 9:15 – 9:45 | Risks of overshoot vs risks of SRM | Dr. Inés Camilloni, Associate professor, Department of Atmospheric and Ocean Sciences, University of Buenos Aires and Researcher, Del Mar Atmosphere Research Center |
| 9:45 – 10:00 | Discussion in plenary | Ms. Alia Hassan Outreach Officer, Government and Intergovernmental Organizations C2G2 (Moderator) |
| 10:00 – 10:30 Break | | |
| 10:30 – 10:45 | Outdoor experiments and Scopex Overview | Dr. Frank Keutsch, Stonington Professor of Engineering and Atmospheric Science |

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| | | and Professor of Chemistry and Chemical Biology, Department of Chemistry and Chemical Biology, Harvard University Andy Parker, Founder and CEO, Degrees Initiative (moderator) |
| 10:45 – 11:00 | Outdoor experiments Group discussion | |
| 11: 00 – 11:15 | Outdoor experiments Plenary Discussion | |
| 11:15 – 11:30 | Scopex governance | Dr. Shuchi Talati, Scholar in Residence, American University |
| 11:30 – 11:45 | Scopex governance - group discussion | Dr. Frank Keutsch & Dr. Shuchi Talati (Moderators) |
| 11:45 – 12:00 | Scopex governance - plenary discussion | |
| 12:00 – 12:30 | SRM Governance lecture | Ted Parson, Dan and Rae Emmett Professor of Environmental Law and Faculty Co-director, Emmett Institute on Climate Change and the Environment, UCLA (Virtual presentation) |
| 12:30 – 12:45 | Discussion | Ms. Alia Hassan Outreach Officer, Government and Intergovernmental Organizations C2G2 |
| 12:45 – 14:00 | | |
| Lunch | | |
| 14:00 – 14:15 | SRM policy - US developments | Dr. Shuchi Talati, Scholar in Residence, American University |
| 14:15 – 14:30 | SRM policy - US developments - group discussion | Dr. Shuchi Talati (Moderator) |
| 14:30 – 14:45 | SRM policy - US developments - plenary discussion | |

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| 14:45 – 15:00 | Building regional collaboration on SRM | Dr. Marcos Regis da Silva, Executive Director, IAI Paulo Artaxo Professor Department of Applied Physics University of São Paulo |
| 15:00 – 15:30 | Building regional collaboration on SRM - group discussion | |
| 15:30 – 16:00 Break | | |
| 16:00 – 17:00 Conclusions | Discussions outcomes: Where do we wish to be in 10 years and how do we get there? | Chair |
| 17:00 Closure | | |