

February 19, 2024

WAAS Talks on Science for Human Security: Natural Geoengineering Methods for Cooling the Planet

– Online on February 28, 2024 from 1:00 to 2:30 pm CET –

Moderation:

- **Ugo Bardi**, National Interuniversity Consortium of Materials Science and Technology, University of Florence, Italy; Full Member, The Club of Rome; Fellow, World Academy of Art and Science (WAAS)

Opening and Introduction (10 minutes):

- **Nebojša Nešković**, Vice President, World Academy of Art and Science (WAAS); President, Serbian Chapter of The Club of Rome: *Opening*
- **Ugo Bardi**, National Interuniversity Consortium of Materials Science and Technology, University of Florence, Italy; Full Member, The Club of Rome; Fellow, World Academy of Art and Science (WAAS): *Introduction: Natural geoengineering methods for cooling the planet*

Talks (5 × 10 minutes):

- **Anastassia Makarieva**, Theoretical Physics Division, Petersburg Nuclear Physics Institute, Russia; Institute for Advanced Studies, Technical University of Munich, Germany: *The role of water vapor phase transitions generated by forests in cooling the atmosphere: Can forests regenerate a healthy climate?*
- **Edward W. (Ted) Manning**, President, Tourisk Inc., Ottawa, Ontario, Canada; Full Member, The Club of Rome: *Living with nature as a means to mitigate negative impacts*
- **Anitra Thorhaug**, Yale Center for Natural Carbon Capture, Yale University, New Haven, Connecticut, USA; President, Greater Caribbean Energy and Environment Foundation, Key Biscayne, Florida, USA; Full Member, The Club of Rome; Co-President, US Association of the Club of Rome: *Natural climate engineering from the marine environment: Plans for large-scale blue carbon enhancement in tropical & subtropical nations*
- **Ian Dunlop**, Senior Member of the Advisory Board, The Breakthrough – National Centre for Climate Restoration, Melbourne, Australia; Australian Security Leaders Climate Group, Melbourne; Full Member, The Club of Rome: *Perspectives of marine cloud brightening*
- **Chaden Diyab**, Founder, IES EMEA (Industrial Environment & Sustainability) and Green Education Program in the Middle East and North Africa (MENA) Region, Paris, France: *Geoengineering: The view from the South of the world – exploring sustainable alternatives innovations*

Discussion (30 minutes)