



### **Panel Session “Science Advising Policy”**

For this panel, we have assembled leading science advisors from Australia, Tunisia, Italy, and the US to describe each of their roles in science advising in their home countries, and to share some best practices that might be useful across international borders and boundaries. Panelists are:

#### **Dr. Cathy Foley, Chief Scientist of Australia**

Dr. Foley, was appointed to this position from being the Chief Scientist of Australia’s National Science Agency, CSIRO. Her research has led to applications in white light emitting diodes used for household low-energy lighting. Her research in high-temperature superconducting Josephson junctions enabled detecting valuable mineral deposits worth more than \$6B. Her numerous awards include election to the Australian Academy of Science.

#### **Dr. Samia Charfi Kaddour, Advisor to the Head of Government, Tunisia**

Dr. Charfi has facilitated leading the way in adopting strategic priorities in education, health, and gender. In Tunisian universities, 66 % of students and 56 % of researchers are women. Tunisia has the first position in Africa and Arab countries and the thirteen position in the world for the number of publications in science and technology per GDP. This gives the opportunity for Tunisia to be the first country in Africa and the Arab world to be associated to European R&I framework. As a professor of physics at the University of Tunis El Manar, she researches organic conductors and superconductors, served as the Director of Condensed Matter Physics, President of the Tunisian Physical Society and Director General of Scientific Research.

#### **Dr. Giorgio Parisi, Salviamo la Ricerca Italiana and 2021 Nobel Laureate**

Dr. Parisi has been leading the movement “*Salviamo la Ricerca Italiana*” or the “Let’s save Italian Research” campaign for increased funding of basic research by Italy and European governments. He is a professor of Quantum Theories at the Sapienza University of Rome. His 2021 Nobel Prize was awarded for his discovery of the interplay of disorder and fluctuations in physical systems from atomic to planetary scales. He is a member of the Simons Collaboration “Cracking the Glass Problem.” Dr. Parisi was president of the Accademia dei Lincei and was elected as an international member to the French Academy of Sciences, the American Philosophical Society, and the US National Academy of Sciences. His numerous honors include the Wolf, Lars Onsager, and Enrico Fermi Prizes, and the Max Plank Medal.

#### **Dr. Laura H Greene, US President’s Council of Advisors in Science and Technology (PCAST)**

Dr. Greene was appointed by US President Joe Biden to advise him on matters involving science, technology, and innovation policy. She is the chief scientist of the National High Magnetic Field Laboratory and Krafft Professor of Physics at Florida State University. Her research in quantum materials focuses on the mechanisms of unconventional superconductivity. She is a leading advocate for diversity in science and engineering, science diplomacy, and human rights. She has been president of the American Physical Society, on of Board of Directors for the American Association for the Advancement of Science, and is Vice President for Ethics and Outreach for IUPAP. Her honors include election to the US National Academy of Sciences.