



Australian Government
Department of Industry,
Innovation and Science



Embassy of Italy
Canberra



Italy - Australia Science and Innovation Forum

15th May 2017

The Shine Dome, Australian Academy of Science
15 Gordon St, Canberra ACT 2601

Italy and Australia have enjoyed a long standing relationship in bilateral science and technology. This relationship, as measured by publications, has more than tripled over the past decade. Italy was Australia's eighth highest publications partner over the period 2011-15, with almost 8000 joint publications, whilst Australia was Italy's eleventh highest collaborator over the same period. Italy, along with Australia, is a founding member, and one of the ten full members, of the Square Kilometre Array global science project. There are over 190 active cooperation agreements between Italian and Australian universities and research agencies. Bilateral scientific cooperation has also been enhanced by the many young and talented Italian scientists who have recently migrated to Australia to pursue their careers. Both countries remain committed in continuing this research relationship to mutual benefit. The Embassy of Italy, the Department of Industry, Innovation and Science and the Australian Academy of Science are hosting the first Italy-Australia science and innovation forum at the Shine Dome in Canberra. The Forum aims to inform and highlight the science and innovation capabilities of both countries and to identify mechanisms and processes for enhancing bilateral cooperation in science and innovation.

08:30 – 09:00 Registration and Coffee

09:00 – 09:15 Welcome and Opening

Prof. Andrew Holmes, President, Australian Academy of Science

H. E Pier Francesco Zazo, Ambassador of Italy to Australia

09:15 – 09:45 *INAF and the astrophysics facilities of the next decade* **Prof. Enrico Cappellaro**, Vice-President, INAF – Istituto Nazionale di Astrofisica

From micro to macro – the Cosmos in the INFN particle and astroparticle roadmap **Prof. Antonio Masiero**, Vice-President, INFN – Istituto Nazionale di Fisica Nucleare

09:45 – 12:00

New Frontiers of Space

Synergies between Ground-based and Space-borne observations of the Universe: a successful collaboration between Australia and Italy **Prof. Filippo Zerbi**,

Research Director, INAF – Istituto Nazionale di Astrofisica

Exploring other planets and coming back to Earth **Prof. Enrico Costa**,
ASI – Italian Space Agency

The global collaboration in gravitational wave research: an opportunity for Australia and Italy **Prof. Federico Ferrini**, Director, EGO – European Gravitational Observatory

INGV's ionospheric research and cooperation with the Space Weather Services of the Australian Bureau of Meteorology **Dr. Carlo Scotto**, INGV – Istituto Nazionale di Geofisica e Vulcanologia

New Technologies and the Circular Economy for Agriculture and Food

Sustainable Food Systems: the contribution of research and innovation
Dr. Andrea Sonnino, ENEA – Agenzia nazionale per le nuove tecnologie, l'energia lo sviluppo economico sostenibile

Physics meets Medicine: innovative diagnostic and curative approaches

Enhancement of the hadron therapy approach for medicine **Dr. Sandro Rossi**,
General Manager and Scientific Director, CNAO – Centro Nazionale per l'Adroterapia Oncologica

Marine Science: from natural disaster management to innovative energy supply

Research and scientific capacity building in the marine sector: OGS experience and expertise **Dr. Simone Cosoli**, OGS – Istituto Nazionale di Oceanografia e di Geofisica Sperimentale

12:00 – 13:30 Networking lunch

14:00 – 14:30 *A highlight of collaborations between researchers and SME's from Italy and Australia* **Dr Margaret Hartley**, Chief Executive Officer – Australian Academy of Technology and Engineering

14:30 – 14:45 Formal Signing of a Science, Technology and Innovation Treaty between Italy and Australia (subject to confirmation)

14:45 – 15:00 Conclusion