



**FINAL PROGRAMME  
OF THE FIRST SLOVENIAN-INDIAN DAY OF SCIENCE AND  
INNOVATIONS  
(A PILOT PROJECT)**

LJUBLJANA, 6<sup>TH</sup> FEBRUARY 2024



REPUBLIKA SLOVENIJA  
MINISTRSTVO ZA ZUNANJE  
IN EVROPSKE ZADEVE

DIREKTORAT ZA GOSPODARSKO IN JAVNO  
DIPLOMACIJO

REPUBLIC OF SLOVENIA  
MINISTRY OF FOREIGN  
AND EUROPEAN AFFAIRS

DIRECTORATE FOR ECONOMIC AND PUBLIC  
DIPLOMACY



सत्यमेव जयते

**2<sup>nd</sup> Edition**

Ljubljana,  
30<sup>th</sup> January 2024

**SLOVENIAN-INDIAN DAY OF SCIENCE AND INNOVATIONS**  
**1<sup>ST</sup> PILOT PROJECT: LJUBLJANA, 6<sup>TH</sup> FEBRUARY 2024**

**Final Programme**

Location: "Jožef Stefan" Institute, Ljubljana, Jamova c. 39, Slovenia/EU

- 10:00 – 10:10 Welcome Addresses
- (5 min) Prof. dr. **Irena Lazar**, President, Science Council, Slovenian Science Foundation
  - (5 min) Prof. dr. **Boštjan Zalar**, Director, "Jožef Stefan" Institute
- 10:10 – 10:28 Addresses
- (8 min) HE Mrs **Namrata S. Kumar**, Ambassador, Embassy of India in Ljubljana
  - (5 min) Mr **Marko Štucin**, State Secretary, Ministry of Foreign and European Affairs of the Republic of Slovenia
  - (5 min) Dr. **Tomaž Boh**, Director, Directorate for Science and Innovations, Ministry of Higher Education, Science and Innovations of the Republic of Slovenia
- 10:30 – 10:40 Theme 1: The Slovenian (EU)-Indian Festival of Science, Technology, Innovation and Economy as a network of innovative communication activities**
- (10 min) Dr. **Edvard Kobal**, President of the Board of Trustees, Slovenian Science Foundation, Ljubljana, Slovenia
- 10:45 – 11:00 Keynote Address**
- (15 min) Professor **Abhay Karandikar**, Secretary to the Government of India, Department of Science and Technology, New Delhi, India (ON-LINE)
- 11:05 – 12:20 Theme 2: Presentation of selected inventions from research labs that would be sensible to develop – to turn into innovations**
- (15 min) Keynote Address  
Prof. dr. **Maja Ravnikar**, Director, National Institute of Biology, Ljubljana Slovenia
  - (15 min) Dr. **Nataša Mori**, National Institute of Biology, Ljubljana, Slovenia  
**- Aquatic organisms as "bioengineers" for newly emerging pollutants removal such as microplastics**
  - (15 min) Dr. **Arijana Filipič**, National Institute of Biology, Ljubljana, Slovenia  
**- Innovative technology for water decontamination**
  - (15 min) Prof. dr. **Tomaž Rodič**, Centre of Excellence: Space-Si, Ljubljana, Slovenia  
**- GangaSat: Satellite Data and Digital Twin Models for River Basin Science and Management**

- (15 min) Discussion
- 12:20 – 12:35 Coffee break  
(15 min)
- 12:35 – 13:05 Keynote Addresses
- (15 min) Dr. **Sachin Chaturvedi**, DG (RIS), India (LIVE)
- (15 min) Dr. **Vinay Sahasrabuddhi**, President, ICCR, India (ON-LINE)
- 13:05 – 14:15** Prof. dr. **Miran Mozetič**, Department of Surface Engineering, "Jožef Stefan"  
(15 min) Institute, Ljubljana, Slovenia  
**- Innovative packaging material**
- (15 min) Dr. **David Kocman**, Department of Environmental Sciences, "Jožef Stefan"  
Institute, Ljubljana, Slovenia  
**- Modular platform and interactive tools for assessing in exposure to environmental stressors in urban settings at the individual level using citizen science principles**
- (15 min) Dr. **Madanagopalan Padmanath**, Reader F, Theoretical Physics, Institute of  
Mathematical Sciences Chennai, India; Asst. Professor, Physical Sciences,  
Homi Bhabha National Institute, Mumbai, India and  
Prof. dr. **Saša Prelovšek**, Full Professor, Faculty of Mathematics and Physics,  
University of Ljubljana; Research Counsellor, "Jožef Stefan" Institute,  
Ljubljana, Slovenia  
**- Exotic states composed of quarks**
- (15 min) **Tina Arh**, MSc., Solid State Physics Department, "Jožef Stefan" Institute,  
Ljubljana, Slovenia  
**- Rare-earth heptatantalates and other quantum materials: collaboration with Indian Institute of Technology Madras, India**
- (10 min) Discussion
- 14:15 – 14:45 Lunch
- 14:45 – 15:15 Keynote Addresses
- (15 min) Dr. **Chitro Majumdar**, Mathematician and climate risk Analyst, Bern,  
Switzerland (ON-LINE)
- (15 min) Dr. **Atul Dhabolkar**, Director, Abdus Salam Institute, Trieste Italy (LIVE)
- 15:15 – 16:15** Dr. **Raghuraj Singh Chouhan**, Department of Environmental Sciences,  
(15 min) "Jožef Stefan" Institute  
**- Nanostructured Marvels: Revolutionising Environmental Pollution Detection using Functional Materials as Adsorbents and Biosensing Probes**

- (15 min) Dr. **Suraj Gupta**, Advanced Materials Department, "Jožef Stefan" Institute, Ljubljana, Slovenia  
**- Sustainable Nanomaterials for Green Hydrogen Generation**
- (15 min) Prof. dr. **Uroš Cvelbar**, Department of gas electronics, "Jožef Stefan" Institute, Ljubljana, Slovenia  
**- Ten years of successful scientific cooperation with Mahatma Gandhi University, Kerala, India**
- (15 min) Discussion
- 16:15 – 16:45 Mr. **David Tavželj**, Executive Manager, International Center for promotion of Enterprises, Jable Castle, Mengeš, Slovenia  
(15 min)  
**- Information about the International Workshop "Innovative Futures: Slovenia-India Young Professionals" Workshop on Science and Technology**
- (15 min) Dr **A. P. Jayaraman**, Chairperson, National Centre for Science Communication, India (ON-LINE)  
**- Improving the communication processes of science and innovations in India**
- 16:45 – 17:00 Coffee break
- 17:00 – 17:45** Presentations from the National institute of Chemistry, Ljubljana, Slovenia  
(3x15 min)
- 17:45 – 18:05** **General conclusions**
- 18:05 – 18:10 Closing of the proceedings
- 18:30 – 20:00 Reception with cultural programme