

Space and Sustainable Development

Mr. Chair and Distinguished delegates,

Space technology has already proven its worth in monitoring and managing the natural resources. India strongly believes that space is a powerful tool for ensuring the sustainable future. India operationally utilizes the space technology towards implementation of Space 2030 agenda for sustainable development and has successfully demonstrated use of space technology in addressing 14 out of 17 Sustainable Development Goals (SDGs).

Mr. Chair,

India has National level programmes for mapping and monitoring of natural resources using space inputs. India carried out the 18th cycle of annual national level mapping of Land Use Land Cover (LULC) and submitted the outcome to United Nations Framework Convention on Climate Change (UNFCCC). These datasets are used by government and non-government agencies to plan and priorities the environmental conservation and restoration activities.

Mr. Chair,

India has prioritized the research and innovations in space applications for agriculture sector to ensure global food security. India actively utilizes the space inputs for agriculture monitoring and crop production forecasting for ten major crops and is working to extend it for more crops. The space inputs are used for crop monitoring and yield estimation at the lowest administrative level (Gram Panchayat) to bring the farmers under formal crop insurance cover, enhancing their financial sustainability.

Mr. Chair,

India has matured the use of space technology for monitoring natural disasters. India operationally generates and disseminates maps and value-added products to the concerned disaster management authorities, both national and international, to support the relief and rehabilitation efforts.

Mr. Chair,

India has achieved penetration of geo-spatial technology up to village level. High resolution thematic database are generated using space inputs and are made accessible to Gram Panchayats across the country thorough 'Bhuvan Panchayat 4.0' portal, to support the decentralized planning of developmental activities and natural resources conservations activities.

Mr. Chair,

India realizes the potential of space technology and has demonstrated the same through various application projects towards achieving sustainable development. India will always be forthcoming in sharing these experiences and expertise with other member nations.

Thank you Mr. Chair and distinguished delegates.