

Indian Institute of Remote Sensing
IIRS Outreach Programme
One- Month MOOC on

Earth Observation for Climate Action during : 10th February 2025 to 28th February 2025

Date	Lecture (Timing:1000 Hrs (IST))	Faculty
	L1: Climate Change: Concepts and Issues	Ramanna M.V. (NRSC)
	L2: Overview on IPCC-AR6	Arijit Roy (IIRS)
	P1: Bhuvan web portal	S. Shadab (NRSC)
	L3: EO systems for climate change studies	Rajashree Bothale (NRSC)
	L4: Remote Sensing of greenhouse gasses	Raghavendra Pratap Singh (IIRS)
	P2: Bhoonidhi web portal	Anupama (NRSC)
	L5: Climate change and disasters using EO	Durga Rao (NRSC);
	L6: Application of EO data in climate models	Prashant Kumar (SAC)
	P3: Meteorological & Oceanographic Satellite Data Archival Centre (MOSDAC) web portal	Ruchi Modi (SAC)
	L7: EO for estimation of carbon emission	Rabindra Nayak (SAC)
	P4: National Information system for Climate and Environment Studies (NICES) climate data web portal	C. Jayshree (NRSC)
	L8: Geospatial technology for food security	Rahul Nigam (SAC)
	P5: Visualisation of Earth Observation Data and Archival System (VEDAS) web-portal	Shweta Mishra (SAC)
	L9: Impact of climate change on Oceans	Suchandra A Bhowmick (SAC)
	P6: Demonstration on using Google Earth Engine (GEE)	Kamal Pandey (IIRS)
	L10: Climate change impact on Cryosphere	Sushil Singh (SAC)
	P7: Estimation of temporal temperature and precipitation data using GEE	Arijit Roy (IIRS)
	L11: Role of EO for water security in changing climatic regime	P. V. Raju (NRSC)
	P8: Temporal burnt area assessment using GEE	Arijit Roy (IIRS)
	L12: Adaptation, mitigation and climate risk	S. P. Aggarwal (NESAC)
	P9: Species niche modelling for climate change	Arijit Roy (IIRS)
	L13: EO and climate action for Sustainable Development Goals	Shirish Ravan