

Release of Glacial Lake Atlas of Ganga River Basin Prepared under National Hydrology Project

National Remote Sensing Centre, as one of the Central Implementing Agency, is executing several studies under National Hydrology Project (NHP) sponsored by Ministry of Jal Shakti, Department of Water Resources, River Development and Ganga Rejuvenation (DoWR, RD&GR), Govt. of India with financial aid from the World Bank. As part of this, NRSC is carrying out 'Glacial Lake Outburst Flood (GLOF) Risk Assessment of Glacial Lakes in the Himalayan Region of Indian River Basins' under which an updated inventory of Glacial Lakes in the Himalayan Region is generated for use in prioritization of critical glacial lakes and GLOF risk assessment.

Using the above, Glacial Lake Atlas of Ganga River Basin is prepared and has been formally released by Shri. Pankaj Kumar, Secretary, DoWR, RD&GR, Ministry of Jal Shakti in the presence of Dr. K. Sivan, Chairman, ISRO/Secretary, DOS on 29 Jun, 2021 through a Video Conference event. The Ganga basin glacial lake atlas depicts spatial distribution of 4,707 glacial lakes of size greater than 0.25 ha mapped using high resolution Resourcesat-2 LISS4 MX satellite data of 2016-17 covering geographical area of 2,47,110 sq.km. The atlas presents the spatial distribution of glacial lakes in terms of area, type and elevation and administrative unit wise. The atlas will be useful for identifying the potential critical glacial lakes and consequent GLOF risk assessment. It also assists disaster mitigation planning and related programs for Central and State Disaster Management Authorities. It may be noted here that similar Atlas for Indus Basin was released on 02-Dec-2020.



Dr. K. Sivan, Chairman, ISRO

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OF
GANGA RIVER BASIN**

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