SOFTWARE SEGMENT – PROBLEM STATEMENT

Problem Statement no: NM372-ISRO

Extraction of crop cycle parameters from multi-temporal data:

For a given set of multispectral multi-temporal data with timestamp of one year or more, develop and implement an algorithm for extracting crop cycle parameters. Participants need to develop a high-performance algorithm to analyse multi-temporal data at each pixel to extracting parameters such as date of sowing, date of harvesting and number of harvests based on temporal profile.

Dataset: Clipped_NDVI.zip (147 MB file)

Organization: ISRO

Available at https://vedas.sac.gov.in/vcms/en/sih2020.html

Logo	Organization	Problem Statement Title	Category	PS Number	Domain Bucket
	Indian Space Research Organisation (ISRO)	Extraction of crop cycle parameters from multi-temporal data	Software	NM372	Agriculture and Rural Development

Problem Statement Details

Description	For a given set of multispectral multi-temporal data with timestamp of one year or more, develop and implement an algorithm for extracting crop cycle parameters. Participants need to develop a high-performance algorithm to analyse multi-temporal data at each pixel to extracting parameters such as date of sowing, date of harvesting and number of harvests based on temporal profile. Data Set link:https://vedas.sac.gov.in/vcms/en/sih2020.html
Organization	Indian Space Research Organisation (ISRO)
Category	Software
Domain Bucket	Agriculture and Rural Development
Youtube Link	
Dataset Link	NA

Organizers   MHRD   AICTE   MIC   PERSISTENT