

SHORTLISTING DATASET

PS-10 CHANGE DETECTION USING SATELLITE IMAGERIES

	Sensor	Image/ Product Id	Reference Location	Date
1.a	Sentinel-2 (L1C)	S2A_MSIL1C_20200328T053641_N0500_R005_T43RCM_20230601T075605.SAFE	28.42, 73.48	28-03-20
		S2B_MSIL1C_20250307T053649_N0511_R005_T43RCM_20250307T080210.SAFE		07-03-25
(OR)				
1.b	Sentinel-2 (L2A)	S2A_MSIL2A_20200328T053641_N0500_R005_T43RCM_20230601T154807.SAFE	28.42, 73.48	28-03-20
		S2B_MSIL2A_20250307T053649_N0511_R005_T43RCM_20250307T082113.SAFE		07-03-25
2	LISS4 (MX70)_L2	R2F18MAR2020046249009500049SSANS TUC00GTDA	31.33, 76.78	18-03-20
		R2F27JAN2025071483009500049SSANST UC00GTDA		27-01-25

Instructions to Participants

**Shortlisting Dataset Download will be enabled on 31-Oct-2025 1000hrs
Submission of results will be active till 31-Oct-2025 2359hrs**

1. Participants can download the shortlisting dataset from any of the following listed sources: -
 - a. Our AI-Grand Challenge portal (from Pre-Evaluation Dataset folder)
 - OR
 - b. From Bhoonidhi (for LISS4) and Copernicus (for Sentinel-2) portal, using details provided in table above.

2. For Sentinel-2, both L1C & L2A data are provided and either can be used according to participant's preference.
3. Participants will submit a zip folder with naming convention as, "**PS10_DD-MM-YYYY_STARTUPNAME.ZIP**", where DD-MM-YYYY- refers to date of submission. It is exactly the same nomenclature followed during mock set submission.
4. Within the zip file, participants should submit the result files (georeferenced) in the following format for each dataset, similar to mock dataset submission, with the addition of a hash file.
 - Change_Mask_Lat_Long.tif
 - Change_Mask_Lat_Long.shp
 - HashFile.txt

Where Lat_Long are provided in ‘Reference Location’ column of the above table.

5. File name is case-sensitive. Avoid spaces/ extra characters in file name.
6. Steps for generating the hash file of the model is listed here for kind reference-
 - a. Pack the entire solution (scripts, model weights, any associated file which are not supposed to change their size) into a folder, say 'Solution1'. Please do not include temporary/ ephemeral files such as logs in your core repo.
 - b. Make a zip file of Solution1. Say it is now Solution1.zip
 - c. For windows machine, simply run the following command. Similarly, linux and macos users can generate hash file accordingly.

```
C:\Windows\system32\cmd.exe
C:\Users\user1\Downloads>certutil -HASHFILE Solution1.zip MD5 > HashFile.txt
```

- d. HashFile.txt will have the hash value of the zip file containing the model. An example outcome is shown below.

```

HashFile.txt - Notepad
File Edit Format View Help
MD5 hash of Solution1.zip:
914e363df44533d1c5327fece767aa4e
CertUtil: -hashfile command completed successfully.

```

- e. Copy 'HashFile.txt' and paste it in folder "**PS10_DD-MM-YYYY_STARTUPNAME**".
 - f. If you are selected in shortlisting and invited for Hold out round, the same hash will be validated against your repo (as a zip file) to be used with holdout dataset.
7. The "**PS10_DD-MM-YYYY_STARTUPNAME**" folder should contain all the change masks, **2 TIFFs**, **2 Shapefiles** (with all necessary extension files), and a hash file as shown below.

PS10_31-10-2025_StartupName	
Name	Type
Change_Mask_28.42_73.48.cpg	CPG File
Change_Mask_28.42_73.48.dbf	DBF File
Change_Mask_28.42_73.48.prj	PRJ File
Change_Mask_28.42_73.48.qmd	QMD File
Change_Mask_28.42_73.48.shp	SHP File
Change_Mask_28.42_73.48.shx	SHX File
Change_Mask_28.42_73.48.tif	TIF File
Change_Mask_31.33_76.78.cpg	CPG File
Change_Mask_31.33_76.78.dbf	DBF File
Change_Mask_31.33_76.78.prj	PRJ File
Change_Mask_31.33_76.78.qmd	QMD File
Change_Mask_31.33_76.78.shp	SHP File
Change_Mask_31.33_76.78.shx	SHX File
Change_Mask_31.33_76.78.tif	TIF File
HashFile.txt	Text Document

- 8. Make the zip file of "**PS10_DD-MM-YYYY_STARTUPNAME**" folder and it will become "**PS10_DD-MM-YYYY_STARTUPNAME.zip**".
- 9. Kindly upload the above .zip file to the submission portal.