PICS site characterization IVOS initiative

Pseudo invariant calibration sites (PICS) are used now for more than 20 years for on-orbit radiometric trending of optical satellite systems. Vicarious calibration methods have been developed and demonstrated the reliability of the site usage for this activity.

A new activity was raised at IVOS 27 meeting which objectives are to better characterize the PICS. The idea of the questionnaire is to fully understand how the sites are characterized and used, and to identify possible gaps in both data and processing that could be filled by this initiative.

Please fill the questionnaire and send it back to picscar@magellium.fr

The activity is managed under the IVOS authority.

Patrice Henry

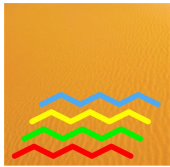Contact e.mail: Patrice.henry@cnes.fr , Beatrice.berthelot@magellium.fr
Address: Centre Nationale d'Etudes Spatiales, 18, Avenue E. Belin 31400 Toulouse, France

Questionnaire filled by:

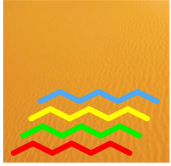|	
Organisation:	
Name :	
Date :	

Question 1

*Could you provide the PICS site name that you used in the radiometric calibration processes?*

Site Name	Sensor Name number	Location of the edge of the site				Site usage			
		Lat/Lon UL edge corner	Lat/Lon UR edge corner	Lat/Lon BR edge corner	Lat/Lon BL edge corner	Regular and systematic acquisitions		Occasionally acquisitions	
						Yes	No	Yes	No
		Lat: Lon:				☐	☐	☐	☐
						☐	☐	☐	☐
						☐	☐	☐	☐
						☐	☐	☐	☐
						☐	☐	☐	☐
						☐	☐	☐	☐

Please choose the sensor name reference number from this table

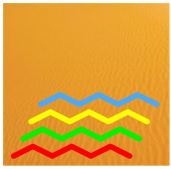| Low/Medium spatial resolution Sensor	Reference Number		High spatial resolution Sensor	Reference Number
ASTR, ATSR2,AATSR	1		LANDSAT 8 –OLI	30
AVHRR	2		LANDSAT 7 ETM	31
MERIS	3		LANDSAT 5 TM	32
MSG/METEOSAT	4		SPOT 1,2,3,4,5	23
MISR	5		SPOT 6,7	34
MODIS TERRA/AQUA	6		Pléiades PHR1A/1B	35
OLCI	7		Sentinel2/MSI	36
PARASOL	8		Worldview	37
POLDER 1/2	9		Hyperion	38
Proba V	10		KOMPSAT 1/2	39
SLSTR	11		FY -2	40
VEGETATION1/ 2	12		Formosat	41
VIIRS	13		CBERS	42
Name to be given	14		*Name to be given*	43
	15			44
	16			45
	17			46
	18			47
	19			
	20			

For each selected sensor, please indicate the level of data used (L1B, L1C) and the spectral bands used in the processing?
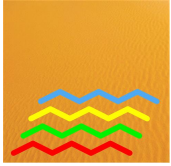
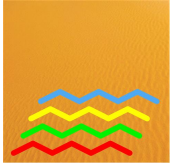## Question 2:

What is the data available for the site?

SiteName	Yes	If yes, please indicate the source/collection	No
Satellite products	☐		☐
Satellite extracts	☐		☐
Meteorological data			
Ozone	☐		☐
Water vapour	☐		☐
Pressure	☐		☐
DEM	☐		☐
Others	☐		☐
Aerosol	☐		☐
	☐		☐
	☐		☐

Question 3:

Is the data accessible? (No property rights to use it)

SiteName	Yes	If Yes, please indicate how data is stored?	No	If No, please indicate the owner
Satellite products	☐		☐	
Satellite extracts	☐		☐	
Meteorological data				
Ozone	☐		☐	
Water vapour	☐		☐	
Pressure	☐		☐	
DEM	☐		☐	
Others	☐		☐	
Aerosol	☐		☐	
	☐		☐	
	☐		☐	

Question 4:

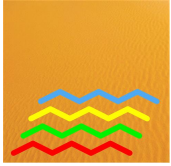*Could you describe the project/activity in which the data is used/will be used?*

Please describe….
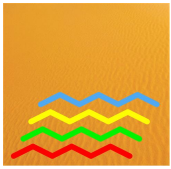
Question 5

What is your interest in using the data acquired over PICS? Are there specific needs in terms of data, processing?

Please describe….

Please add any additional comments below

Please describe….