

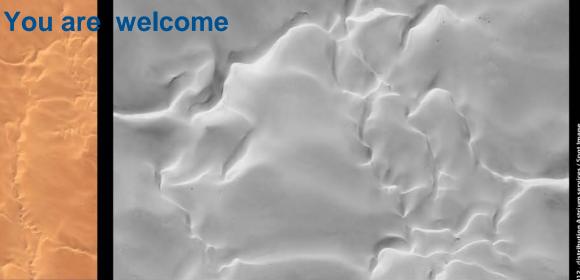




Spot 4 - 20 m



Spot 5 - 10 m



Pléiades - XS - 2,8 m

Pléiades - P - 0,7 m

## **The Libya-4 Workshop**





## Why Libya-4?

- Historically used for AVHRR calibration monitoring
- Not the best but probably the most used desert site by the on-orbit sensor calibration community
- One of the 5 CEOS selected calibration sites (PICS = Pseudo Invariant Calibration Site)
- Several recent studies presented at CEOS WGCV meeting
  - **♦**Calibration monitoring
  - **♦** Cross calibration of sensors
  - **♦** Site characterization and modelling



## Agenda Thursday, October 4

09:30	Welcome introduction	Patrice Henry	
09:40	Desert Sites in the Context of CEOS IVOS	Nigel Fox	
10:00	Accuracy and Precision Requirements for Climate-Level Data Sets	Kurt Thome	
10:30	General Characteristics of the Libya-4 Site: Stability, Homogeneity, Spectral Behaviour	P. Henry / S. Lachérade / B. Fougnie / B. Lafrance	
11:10	COFFEE BREAK		
11:30	Development of physical Models of the Libya-4 Site for Calibration Purposes	Stephen Mackin	
12:00	An Empirical Absolute Calibration Model Using Libya 4	Dennis Helder	
12:30	A Libya-4 Directional Model based on POLDER/Parasol Data	Sophie Lachérade/ Bruno Lafrance	
13:10	LUNCH BREAK		
14:30	Simulated Top-of-Atmosphere BRF over Libya-4 as Absolute Calibration Reference	Yves Govaerts	
15:00	Using Ground Targets for Sensor On-orbit Calibration Support	Jack Xiong	
15:30	Cloud Screening of desert sites data using METRIC (Meris Extraction Tool for Radiometric Indirect Calibration)	Ludovic Bourg	
15:50	Filtering of SADE reference data over Libya-4 desert	Véronique Bruniquel	
16:20 COFFEE BREAK			
17.00	What is missing and what can be improved in site characterization? What can be exchange? Who can do what? End of the first day	Discussion	



## Agenda Friday, October 5

09:00	DIMITRI Data and Results over Libya-4	Marc Bouvet
09:20	Comparison for simulated Reflectances with DIMITRI and actual VGT Reflectances over Libya-4	Françoise Viallefont
09:40	SADE, a MultiSensors Calibration Data Repository	Patrice Henry
09:55	The CNES Intercalibration Method over Desert Sites	Sophie Lachérade
10:25	Matchup Strategy for Sensors Cross Calibration over Libya-4	Suzanne Angéli
10:45	COFFEE BREAK	
11:00	Use of Libya-4 site as Calibration Reference for (A)ATSR and SLSTR Sensors	Dave Smith
11:30	MERIS, MODIS and Parasol Intercalibration over Libya-4	Bertrand Fougnie
12:00	Cross-Calibration of UK-DMC-2 and Landsat 7 over the Libya 4 Site	Stephen Mackin
12:30	LUNCH BREAK	
14:00	Trending Landsat Calibration Using Libya 4	Dennis Helder
14:30	The SEVIRI Solar Channel Calibration System: a vicarious Calibration Algorithm for the Meteosat Imagers, using Desert Targets	Sebastien Wagner
14:50	Operational VGT Calibration Monitoring using Desert Sites	Patrice Henry
15:10	COFFEE BREAK	
15:30	The OSCAR (Optical Sensor Calibration with simulated Radiance Facility) for the PROBA-V Mission	Sindy Sterck
15:50	CEOS/IVOS-WG4 Results over Libya-4	Marc Bouvet
	How to display the intercalibration results? To who? What about the accuracy studies? How to progress?	Discussion
17:10	End of the workshop	

