SPOT4(Take5) Users Workshop

Introduction

S. Sylvander (CNES)

November 18th, 2014

Welcome to SPOT4(Take5) Users Workshop

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- Danielle Barrère 05 61 28 18 02

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Introduction

The aim of the workshop today is to present the results of the studies using SPOT4/Take5 images.

A first event occured last year to present the first results.
http://www.cesbio.ups-tlse.fr/multitemp/

22 presentations are planned today and tomorrow. A few posters are also presented.

Agenda (1/3)

Tuesday 18th November				
Time	**Duration**	**Name**	**Organism**	**Title**
8h45				**Welcome**
9h30	5'	S. Sylvander	CNES	Introduction
9h35	20'	S. Sylvander	CNES	Preparation and progress of Take 5 experiment
09h55	25'+5'	O. Hagolle	CNES/CESBIO	SPOT4 (Take5) product validation, lessons learned and user feedback
10h25	20' + 5'	M. Kadiri	CESBIO	Definition, test and evaluation of a monthly composite product for Sentinel-2, based on SPOT4 (Take5)
10h50	30'			Coffee break
11h20	20' + 5'	M. Claverie	NASA GSFC	An update on the Landsat / Sentinel-2 merged Surface Reflectance product project
11h45	20' + 5'	M. Le Page	CESBIO	SAT-IRR, a web service to help with irrigation decision based on time series of satellite images of high spatial and temporal resolution
12h10	20' + 5'	V. Simonneaux	CESBIO/IRD	Water budget monitoring of irrigated perimeters in semi-arid areas using high resolution NDVI image time series. Application for the assessment of groundwater extraction.
12h35	5'	O. Marsal	CNES	CNES feedback on Take5 experiment
12h40				**Lunch break**

Agenda (2/3)

Time	Duration	Name	Organism	Title
14h00	25'+5'	O. Arino/B. Koetz	ESA	ESA's studies results: Wetland, Forest, Agriculture, Costal Water
14h30	20' + 5'	N. Baghdadi/M. El Hajj	Maison Télédétection	Estimation of soil moiture using radar and optical images over grassland areas
14h55	20' + 5'	J. Inglada	CNES/CESBIO	Automatic land-cover map production of agricultural areas using supervised classification of SPOT4(Take5) and Landsat8 image time series. Algorithm comparison over 12 sites for Sentinel-2 Agriculture Project.
15h20	20' + 5'	S. Valero	CESBIO	Real time production of a crop mask using high spatial and temporal resolution time series.
15h45	20' + 5'	D. Morin	CESBIO	Cartography of irrigated crops and estimation of biophysical variables with high temporal and spatial resolution images
16h10	**30'**			**Coffee Break**
16h40	20' + 5'	W. Li	INRA PACA	Deriving ECVs LAI and FAPAR from SPOT and LANDSAT sensors:Evaludation of the consistency and comparison with ground measurements
17h05	20' + 5'	A. Roumiguié	Ecole d'ingénieurs de Purpan	Validation of a Forage Production Index derived from MODIS fCover time series - Methodology and main results
17h30	20' + 5'	C. Jacqueminet	Univ. St Etienne	Discrimination of herbaceous habitats using multi-temporal Spot and Landsat images (Massif central (France))

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Agenda

Wednesday 19th November				
Time	**Duration**	**Name**	**Organism**	**Title**
8h30				**Welcome**
9h00	20' + 5'	JF. Bolot/V. Gond	CIRAD	Phenological monitoring of tropical forest ecosystels (North of Congo).
9h25	20' + 5'	A. Verhegghen	JRC	Assessing Forest Degradation in the tropics using Time Series of Fine Spatial Resolution Imagery
9h50	20' + 5'	M. Szulkin	CEFE CNRS Montpellier	Inferring blue tit (Cyanistes caeruleus) reproductive phenology using SPOT4 imagery
10h15	20' + 5'	S. Sylvander/O. Arino	CNES/ESA	SPOT5/Take5 operation in 2015
10h40	**30'**			**Coffee break**
11h10	20' + 5'	JP. Dedieu	Univ. Grenoble	Spectral signature and monitoring of Alpine snow cover dynamics from the Spot4-Take5 data. Results of the SPAMN project.
11h35	20' + 5'	A. Facello	IRPI Turin	Snow Water Equivalent and Slope Movements from Satellite Data: potential of space-borne observations with high spatial and temporal sampling. Case study: Tena Valley (Central Pyrenees, Spain).
12h00	20' + 5'	S. Cerisier	GIP Loire Estuaire	Remote sensing data with high repetitivity : a contribution to coastal and estuarine processes knowledge
12h25	20' + 5'	V.Lafon	Univ. Bordeaux	SPOT4 (Take5) Experiment: simulation of Sentinel-2 time-series to monitor the maximum turbidity zone of tidal estuaries
12h50	**10'**			**Questions/Answers**

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