ALOS Kyoto & Carbon Initiative

Final Science Team meeting for Phase 1 (2006-2008)

- Agenda
- Final scientific reports for Phase 1
- Observation strategy





KC#11 Agenda

- Tuesday Jan 13
 - Project & satellite update
 - Phase 1 Science Team feed-back
 - New GEO Task on Forest Carbon Tracking potential K&C role
 - ESA BIOMASS mission Special session (Quegan)
- Wednesday Jan 14 Open Day
 - Phase 1 Result presentations by Science Team
 - 10' 15' presentations (tight time schedule)
 - Provide PPT files in advance
 - Round table discussions (Forest/Desert & Wetlands/Mosaic
 - Welcome reception (Restaurant Ishinaru).
- Thursday & Friday Jan 15 & 16
 - JAXA plans for Extension Phase
 - Extension proposal presentations by Science Team
 - Extension Phase Open floor discussions



Individual discussions with JAXA - Voluntary (Friday PM)



Brief technical reports and extension proposals

- Nov., 2008 Submission of Technical reports & Extension proposals
 - Positive response by science team
 - 21 (out of 22) team members responded
 - 10 submitted within deadline (^0^)
 - All requested extension
- Dec., 2008 JAXA evaluation
 - Overall very good quality of reports
 - All extension proposals accepted
 - One contract discontinued (HUT)
 - IMWI (Lisa Rebelo) takes over Wetlands Int'l contract
 - · One new science team member (Josef Kellndorfer, WHRC)
 - → Extension Phase: 22 science team members (Additional new members by JAXA?)
 - NOTE: Details of extension proposal remain to be negotiated with JAXA
- 24 Jan., 2009 Extension phase begins
 - Aim to sign extension amendment before Jan. 24 (Phase 1 end)
 - Data deliveries temporarily halted (after Jan.24) until agreements have been concluded.





Full scientific reports

- Submission by early March XX, 2009
- Format
 - As scientific papers to be compiled as a booklet to be presented to JAXA
 - IEEE paper format to assure uniform look
 - Dual-purpose: K&C report and potential base for future conference- or peer-reviewed paper
 - To be made available on the web (EORC www site and Wiki).
- Even if the K&C data have been used as a part in an integrated, larger project, focus and highlight the K&C part
- Please use the following acknowledgement in the report and in any paper or publication resulting fully or in part from the K&C work:

"This work has been undertaken [in part] within the framework of the ALOS Kyoto & Carbon Initiative. ALOS PALSAR data have been provided by JAXA EORC."





Significant scientific findings

- Write a very short (5-10 lines) summary of your main scientific findings from Phase 1
- Provide to me before leaving the meeting





Extension issues to discuss

- Remaining strip data issues
- Observation strategy
 - ScanSAR
 - Confirm Wetlands polygons
 - · Confirm schedule
 - FB
 - Schedule for Cycle 31 ->







K&C Initiative An international science collaboration led by JAXA

Basic Observation Strategy - PALSAR Ascending

Present plan in operation until cycle 30 (Oct. 27, 2009)

		•				•						,			`				•		,	
Year					2007					243	241		2008						00 10	10	2009	5 00 00 00
Month	12 1	2	3 4	5 (6 7	8 :	9 10) 11	12 1	2	3 4	5	6 7	8	9 1	0 11	12 1	2	3 4			8 9 10 11
Satellite cycle	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29 30 31
Siberia NW A1	7				- 8		31						. 8								- 4	
Siberia N-central A2						$\overline{}$																
Siberia NE A3																						
Kanchatka A4					- 3		100				1											
Siberia SW							-															
Siberia S-central																						
Siberia SE																						
Caspian Sea																						
Central Asia	Detential about as																					
Himalayas P(Potential changes :																					
China East																						
Korea																						
Aleutian W																						
Japan																						
India																						
Peninsular SE-Asi	ONE global coverage/year (FRD May-Sent) guaranteed																					
Insular SE-Asia																						
PNG																						
Australia N&E																						
Australia arid																						
Australia S&E												_										
New Zealand	W) n	an-	.tr4	n	ica	1 6	· ^ \	ıρr	20	00	Nic	ar									
Greenland	AAC	γþ	an-	-LI (υþ	ıva	11 C	U	CI	ay	C2/	ye	aı									9
Iceland		•			•					_		•										
Europe N	:DI	7 1	121	_C	nn	4 9		Dr) D	100	_ [sh	\									
Europe SW	-DI	ノN	lay	-3	чþ	ια	ľ	DL	, U	HC	-	まり)									
Europe central			,		•							4	,									
Europe E																						
Middle East																						
Arabia																						
Morocco	.0	\ D	00:		K A	~~	/ A C	ے د			1/1~	/6	20-	-41	-	- F	00	ما	-1-	٦		
Sahara W	13 <i>F</i>	١K	CO	ve	rac	лe	(4))- 0	ıav	/S	via	V١٤	ser	JT)	OV	er	se	10	υte	u		
Sanara E		=				<i>-</i>	•			_		<i>)</i> - `	-	- /		_		-		. –		
W. Africa	 -																					
C. Africa V C	gio	วทร	5																			
C. Allica E	J .,																					
Somalia																						
Botswana																						
S. Africa																						
Madagascar	4		- 45	_					- 6	'						_						
QE Islands	uta	om	atio	C ()	ıar)-†I	IIII	1 a	Ot	m	ISS	ed	Da	3S.	ses	5						2
				- 3	,~r			- 3	•				Γ,			-						
Canada NV																						
Canada SW Canada SE																						
US W																						
				_							-		11111111						_			
Central America F8 Caribbean Islands F9	_			-													1					
Aleutian E F10																						
Amazon Basin G1											- 2		-									
Brazil East G2																_						
S. America Mid G3			-				- 1												 	1		
S. America South G4																	1					
Antarctica H1-4			_	_																		
					- 1						1		1	1				1	1	1 1	1	







K&C Initiative An international science collaboration led by JAXA

ScanSAR Wetlands Draft plan for 2009-2011

- Request from JAXA to reduce ScanSAR observations
 - Sharing descending mission resources with PRISM and AVNIR-2
 - Way to improve success rate for remaining ScanSAR observations
- Wetlands scenario modified according to KC#10 Wetland Theme discussions
 - 14 areas discontinued; 8 modified; 5 unchanged
 - Tropical zone coverage dual purpose: wetlands and forest

Year	2009								2010									2011								
Month		1 2	3	4 5		7 8	9 1	0 11	12	1 2	3	4 5	6	7 8	9 1	0 11	12	1 2	3	4 5	6	7 8	9 1	0 11	12 1	
	Satellite cycle		26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
Ob/Yenisey	Scan A1	25				1000											12				1999	- /	15. 15.	3.664	12	
Lena Delta	Scan A2						-			9		8 4	3 3	3	S.	87 3									\vdash	
Volga Delta	Scan A3																									
Amur	Scan A4															1										
East China paddy	Scan A5																									
Tibet	Scan A6															1										
India paddy	Scan B1																									
Mainland SE-Asia	Scan B2						Į.																			
Insular SE-Asia	Scan_B3																									
Luzon	Scan B4																									
New Guinea	Scan C1					,																				
North Australia	Scan_C2													,												
Murray-Darling	Scan C3						v	,								J										
Finland	Scan_D1															J .										
Pripet-Biebrza	Scan_D2															J .		12								
Tigris marshes	Scan_D3						vi	× 1		2					vi.	Sc .		12 ×					e:			
Niger Basin	Scan_E1				S 4			4																		
Congo/Nile/Niger	Scan_E2	is 93													8											
Zambezi	Scan_E3															J .		12 8								
Senegal wetlands	Scan_E4						v.	× 1		2					v.	Sc 5		1 2					e:			
ASF mask	Scan_F1				5 4		3								6	2 .		2								
Canada W	Scan_F2														v.			12 8								
Quebec-Everglades	Scan_F3						6								,	2-								d s		
SE USA	Scan_F4													3												
Mexico	Scan_F5															8		5 1						9 9		
Amazon Basin	Scan_G1															9								9 9		
Pantanal	Scan_G2															1-										

No change Modified Discontinue



K&C Initiative An international science collaboration led by JAXA

ScanSAR Wetlands

Draft plan for 2009-2011



