

Suggested PD team topics for the GEO-FCT Science and Data Summit Draft 22 Jan 2010

Tony Milne (CRC-IS, Australia) - Prime input
Ake Rosenqvist (for JAXA)
Niels Wielaard (SarVision, The Netherlands)
Christiane Schullius (FSU-Jena, Germany)
Thuy Le Toan (CESBIO, France)

GEO FCT session at 13th ALOS K&C Science Team meeting
JAXA TKSC/RESTEC HQ, Jan 18-22, 2010



Issues for the 1st GEO-FCT SDS (May 11-12, 2020 @ WHRC)

- Space agency data processing and dissemination streams
 - Delivery timeliness
 - Processing formats
- Data availability and time-series issues
 - Spatial and temporal completeness of each relevant sensor
 - Are the VS data available sufficient for adequate analysis and product development?
- Clarifying verification and validation nomenclature/terminology
- ND historical baseline datasets and the use of decadal archived Landsat data



Issues for the 1st GEO-FCT SDS (May 11-12, 2020 @ WHRC)

- Defining approaches to FCT Horizon-1 (and 2?) product development
 - which are the products and what are the pathways to approaching them
- Approaches to SAR/optical synergy
 - E.g. layered vs. fusion-based product development
- Spatial resolution and system constraints
 - Quantify effect of pixels spacing (50m, 25m, 15m etc) on classification accuracy



Issues for the 1st GEO-FCT SDS (May 11-12, 2020 @ WHRC)

- Radar frequency integration and information extraction
 - Thematic contribution and optimal use for each of the satellite sensors (e.g. Table w. classification accuracy for each class and sensor combination)

E.g. Horizon-1b Land Cover class 1					Class 2		Class 3		Class n...	
	Optical	L	C	X		X		X		X
Optical	-	a%	b%	c%						
L	d%	-	e%	f%						
C	g%	h%	-							
X	i%	j%	k%	-						
						-				
								-		
										-

- Input/guidelines to 3rd Space Data Coordination meeting
 - How can FCT acquisition strategy be improved to make the most of the available sensors?



Issues for the 1st GEO-FCT SDS (May 11-12, 2020 @ WHRC)

- Cooperation and collaboration between ND PD teams
- Output product development standards (e.g. manuals)
- Technology transfer issues (forthcoming task)

