Seasonal Dynamics of the Pantanal Ecosystem Mapping the wetlands ecosystem

- Data sets: PALSAR ScanSAR (HH) Jan, Feb, May, July, Nov, 2007 Radarsat-2 ScanSAR (HH/HV) Aug 2008
- Method: Hierarchical polygon based classification using eCognition[™] – Definiens software
- Present status: Temporal land-cover maps have been produced; we are continuing to improve the classification

Costa, Evans and Telmer University of Victoria, Canada)

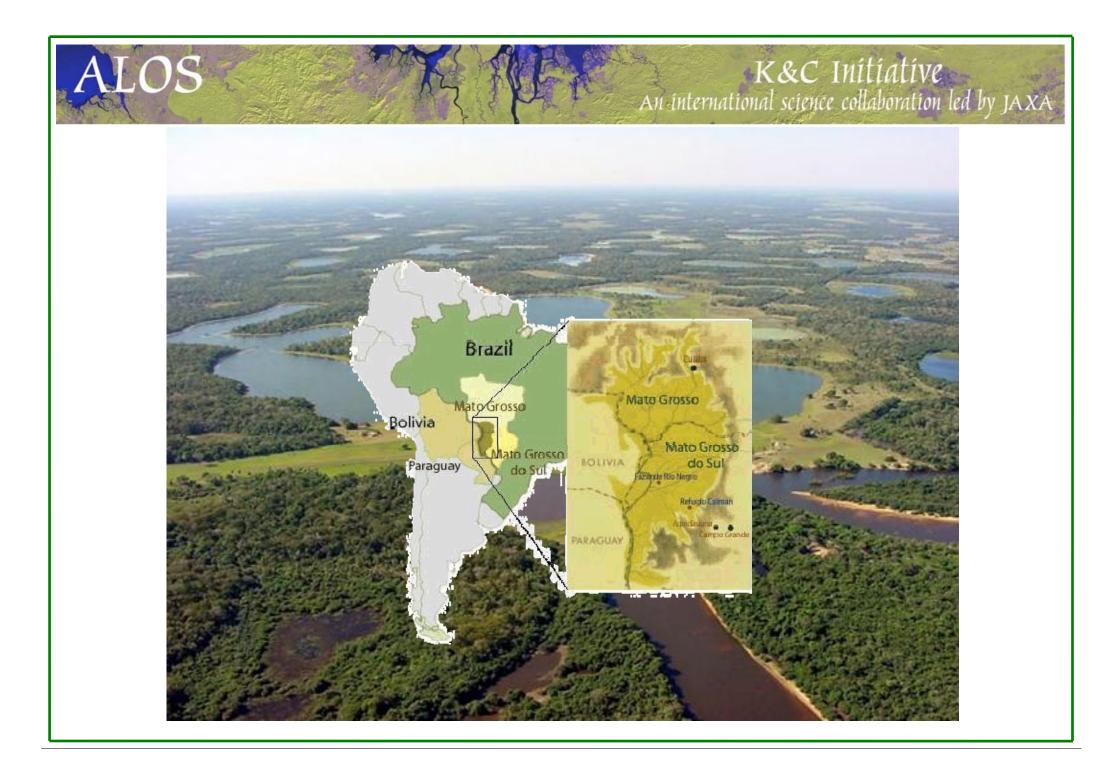
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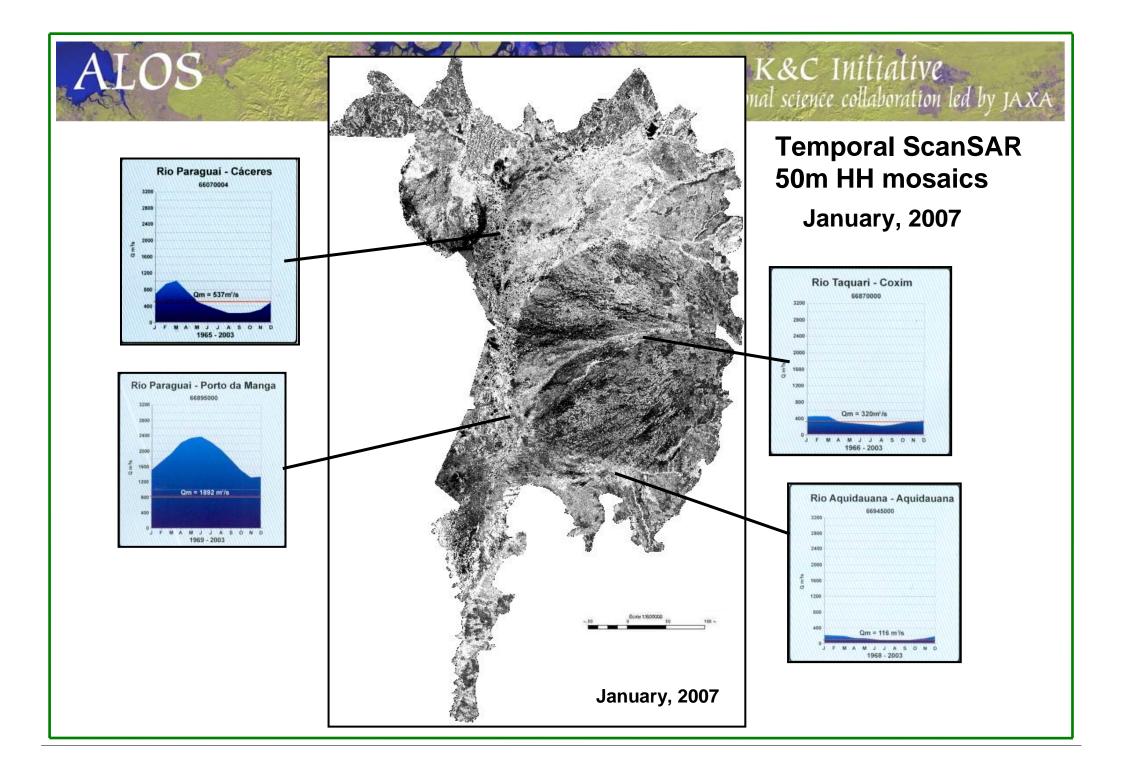


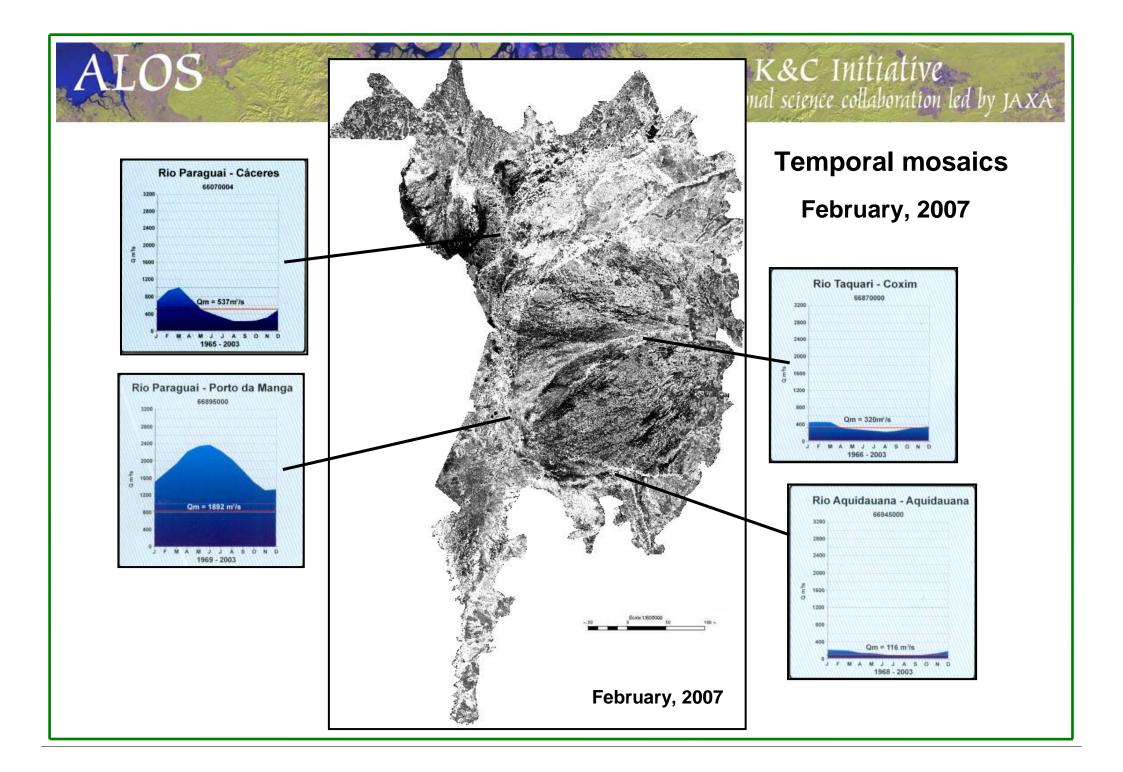
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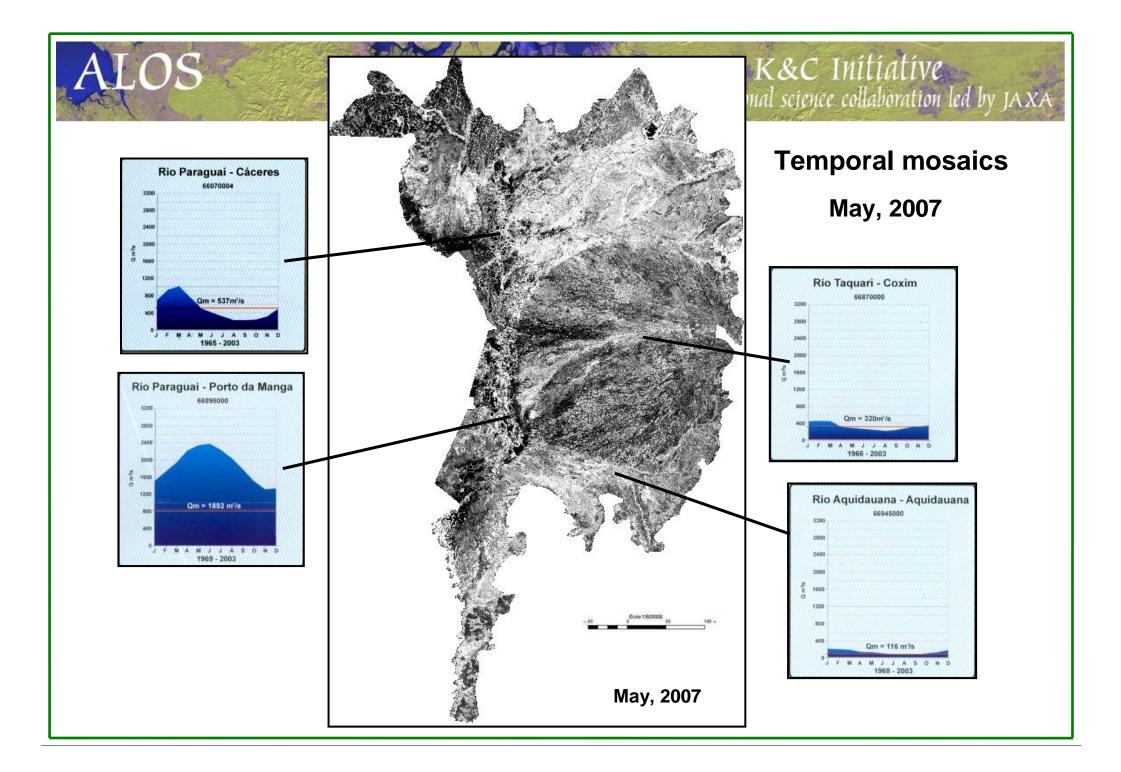
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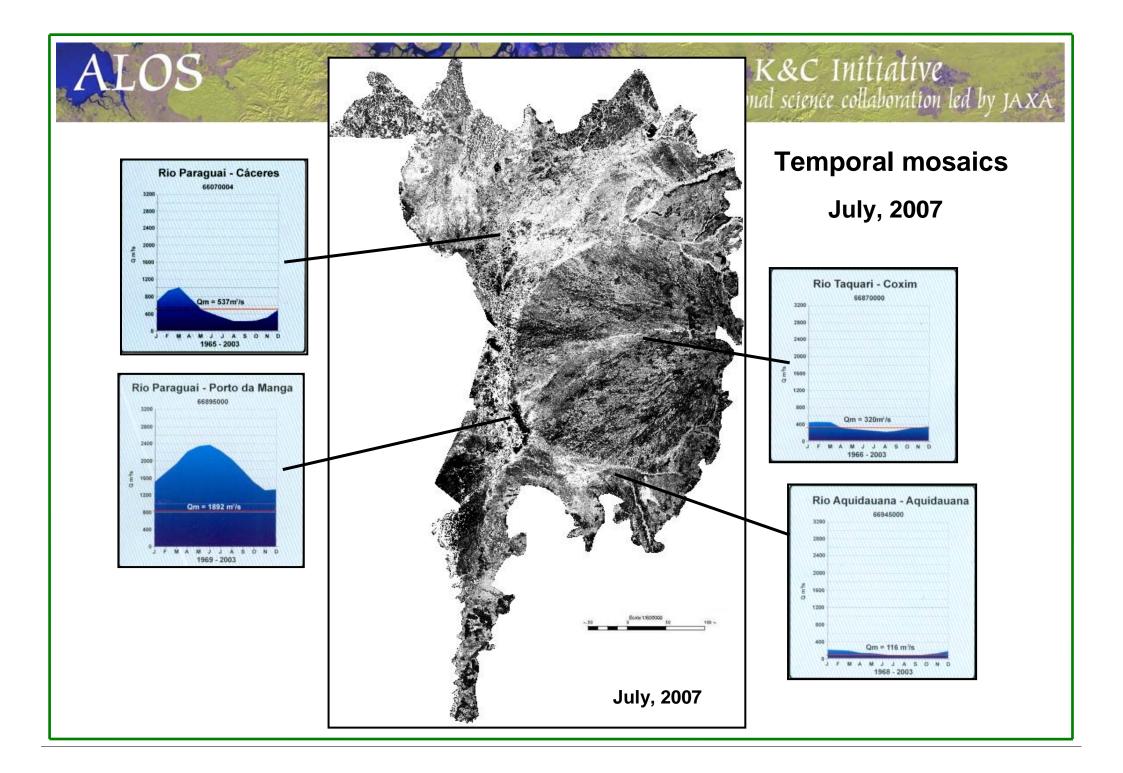


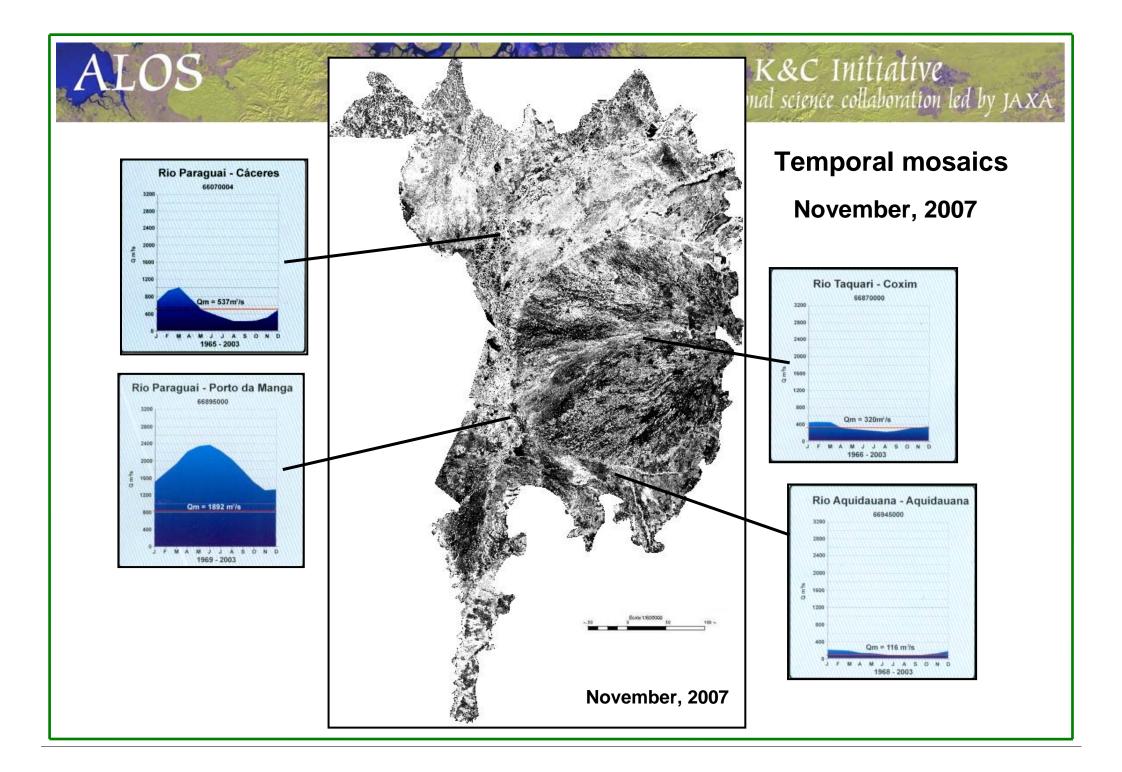


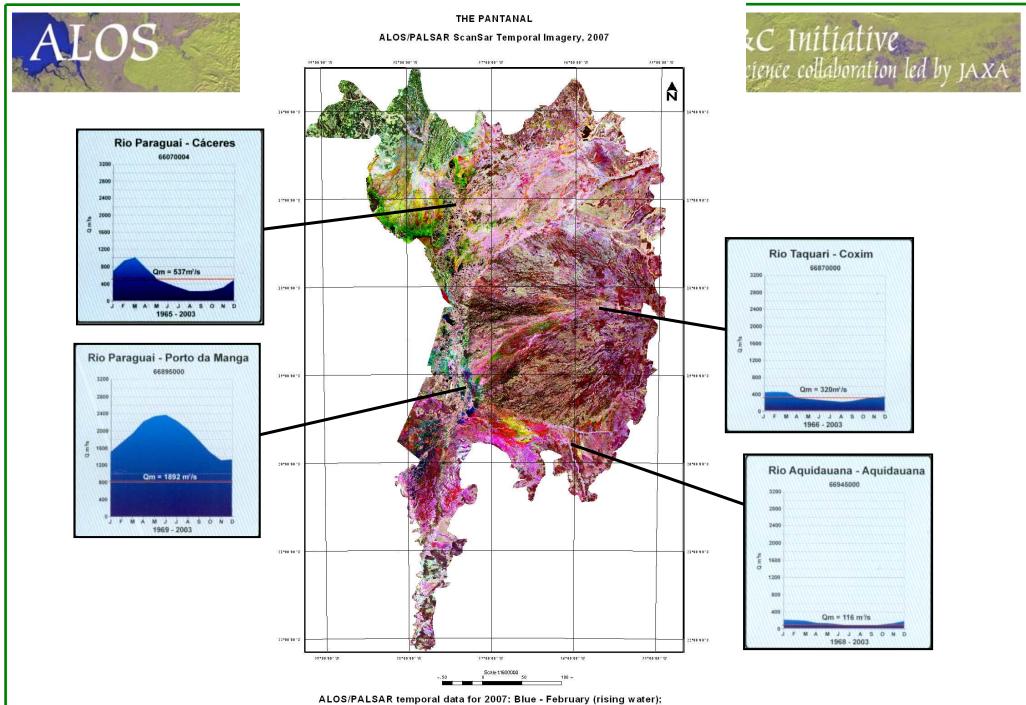












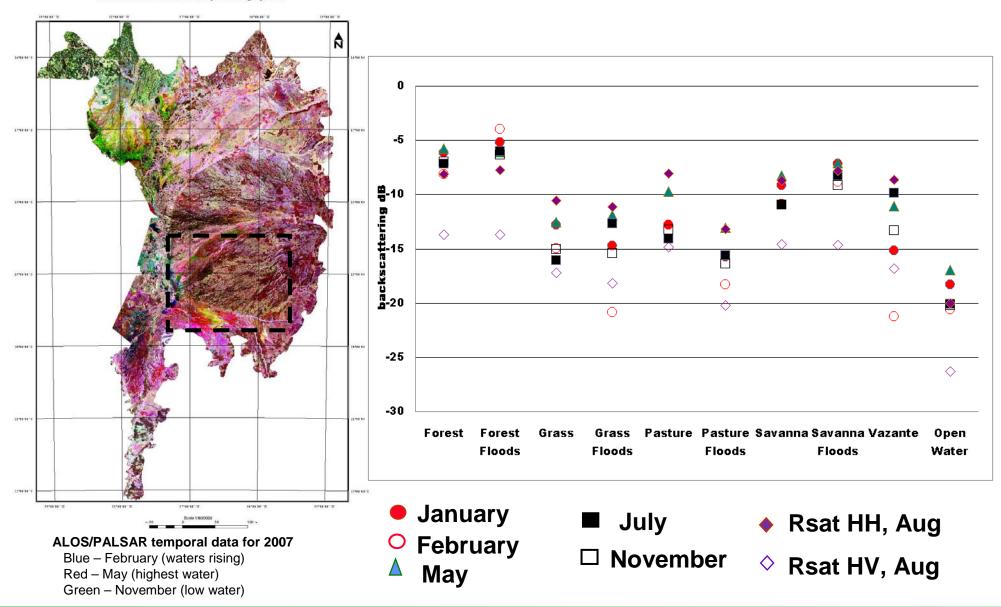
Red - May (high water); Green - November (low water)

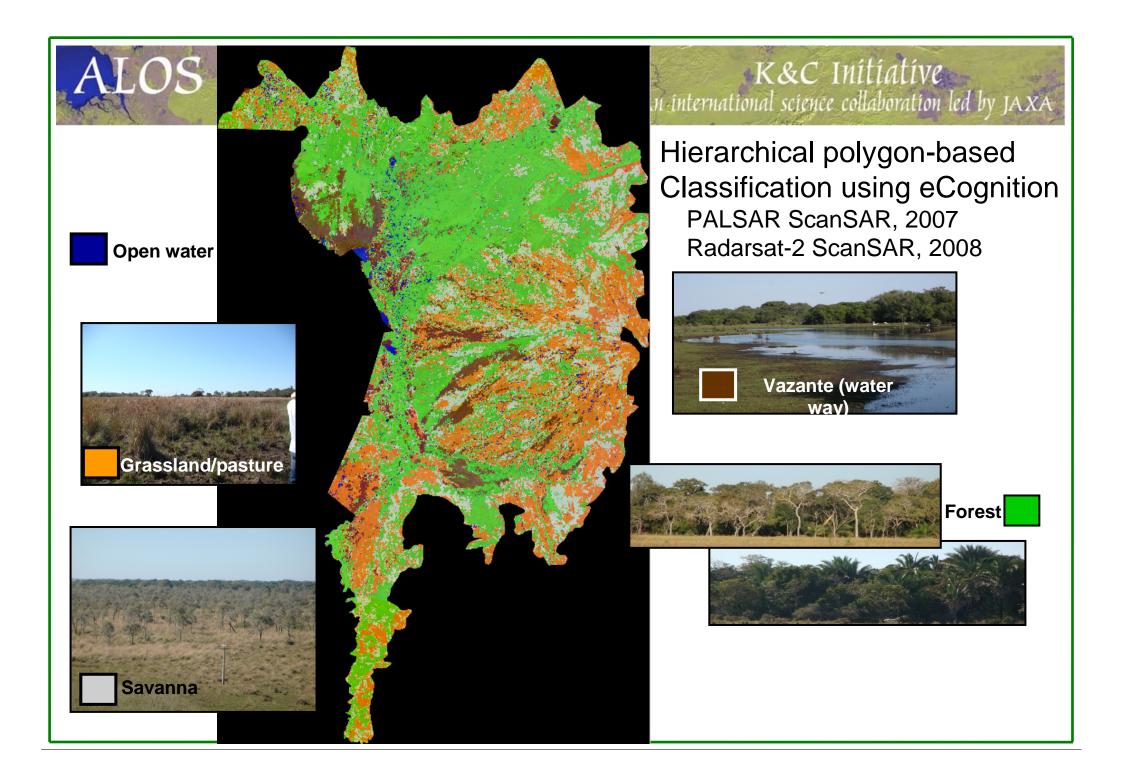
K&C Initiative An international science collaboration led by JAXA

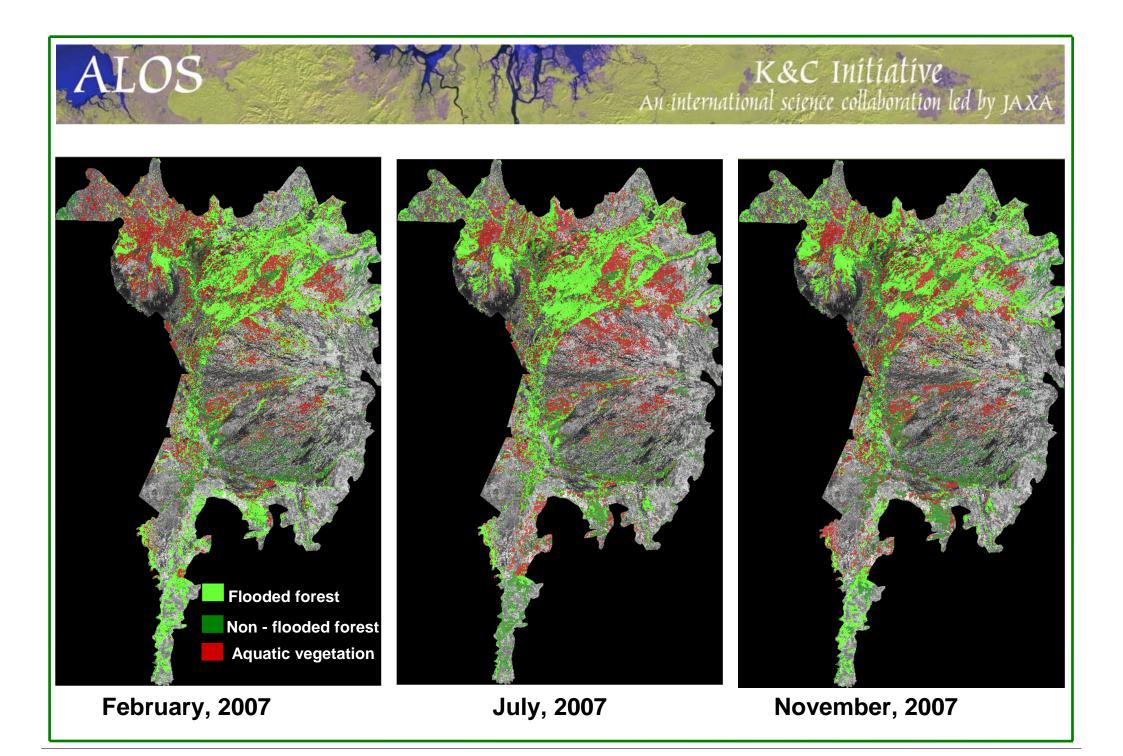
THE PANTANAL

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ALOS/PALSAR ScanSar Temporal Imagery, 2007







Seasonal Dynamics of the Pantanal Ecosystem Lake mapping and field work

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• Data set:

LOS

- High resolution PALSAR (HH/HV)
- High resolution Radarsat-2 (HH/HV)
- Envisat/ASAR (HH/HV) 2008
- Present status:
 - Field work completed in July 2008: data was gathered at 209 locations; geochemistry acquired for 75 lakes
 - fine beam mosaic created; image analysis and classification accomplished for subset; completion of lakes classification by March 2009
- Updated data requirement:
 - anticipating and ready to work with 50m strip mosaics

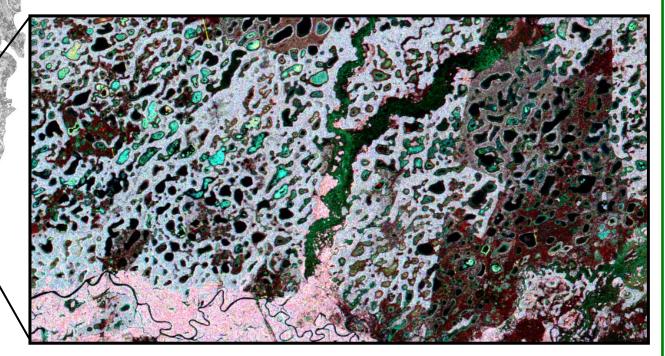


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Fresh soft (baias)

ALOS

- Fresh hard (salobras)
- Saline (salinas)



PALSAR fine beam 2007 February HH (R); August HH (G); August HV (B)

