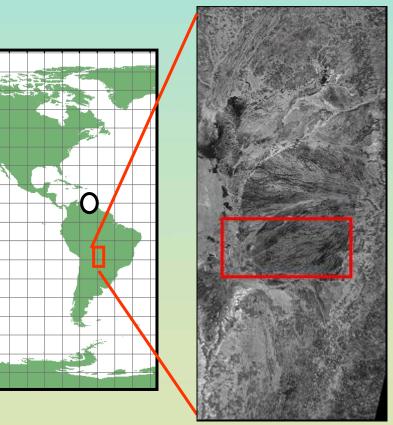
Dynamics of the Pantanal Ecosystem

Maycira Costa, Kevin Telmer, Terri Evans University of Victoria, Canada





Funding: NSERC

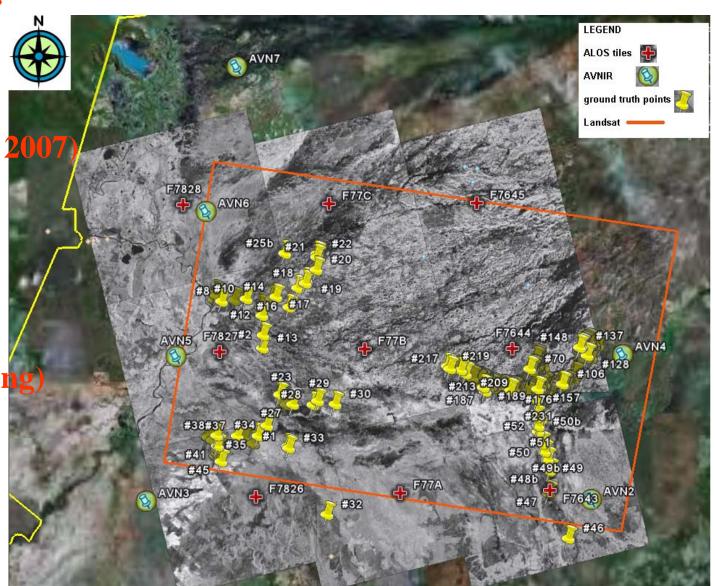
NGS?



Processing status:

Data base

- 6.25 m res (FBS 2007
- FBD 2008
- Google Earth
- backscattering
- geometry
- strip (starting)
- ScanSAR (starting)



Problems/solutions:

1st: (*.5GUA) images + LED file information = no success + images do not mosaic properly

2nd: Emails.. Shimada-san, Ake, Bruce, Laura(factor_m... error...error)

3nd: Use ASF software (*.5GUA images + LED file) = geotiff file (UTM 21 row C WGS84)

Kind of Success but.... end up in Greenland!

4th: Re-project to Lat/Long = Miracles happen! It works.

Major Success... we were finally in the Pantanal and images mosaic properly

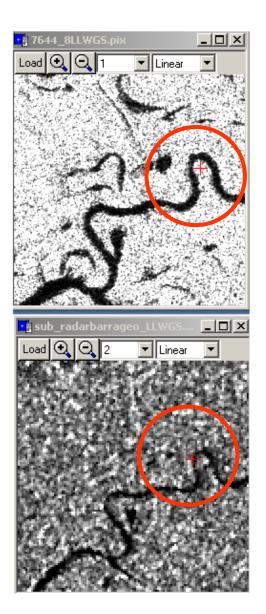
5th: Field work in June/July 2008 (ALOS/Radarsat2) / Wetlands International Conference

Some results: still small geometric error

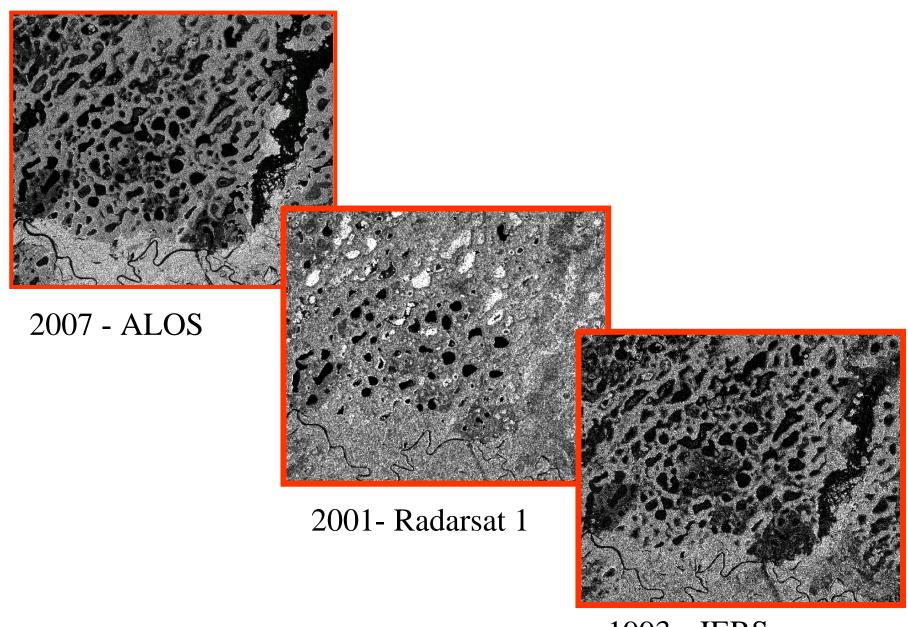
_UX

Hold _ | D × Radarsat

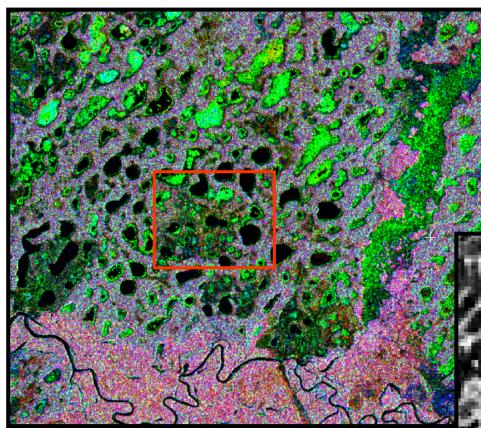
+<u>8</u> 7644_8LLWGS.pix



Some results: with standard geometric correction (time series)

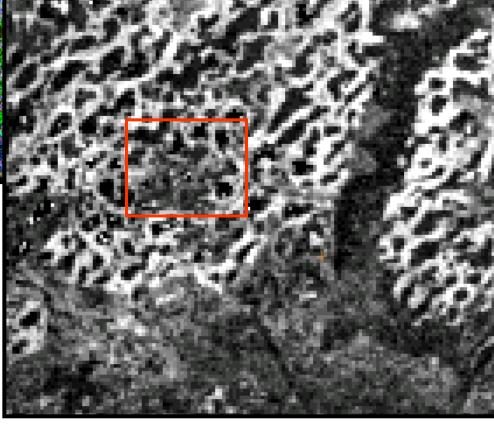


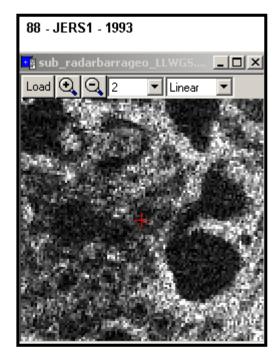
1993 - JERS

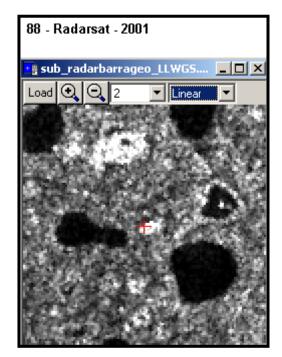


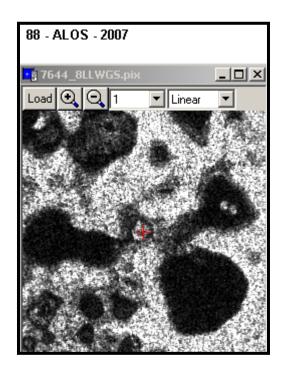
SRTM

R:ALOS 2007 G:Radarsat 2001 B:JERS 1993

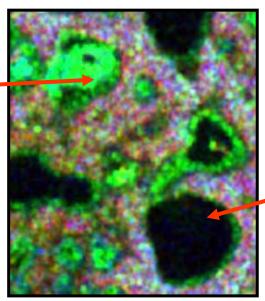


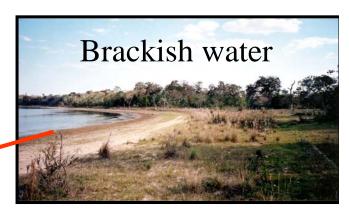


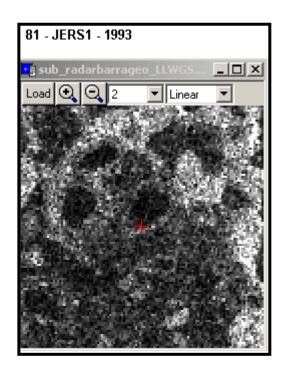


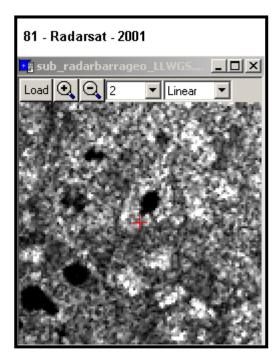


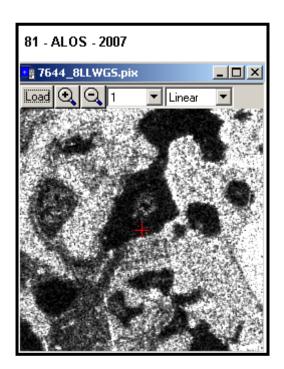


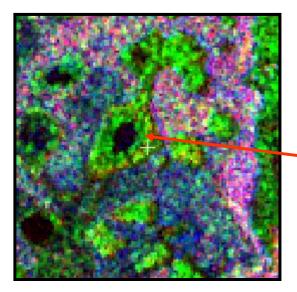






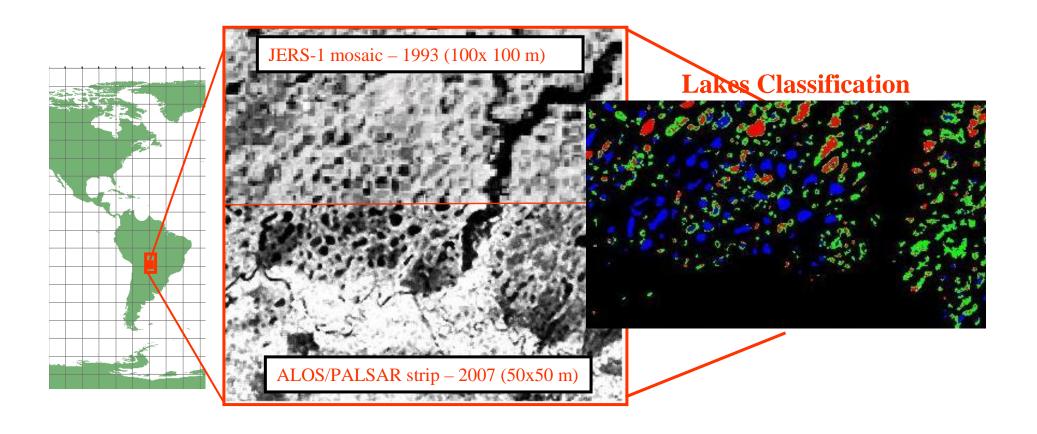




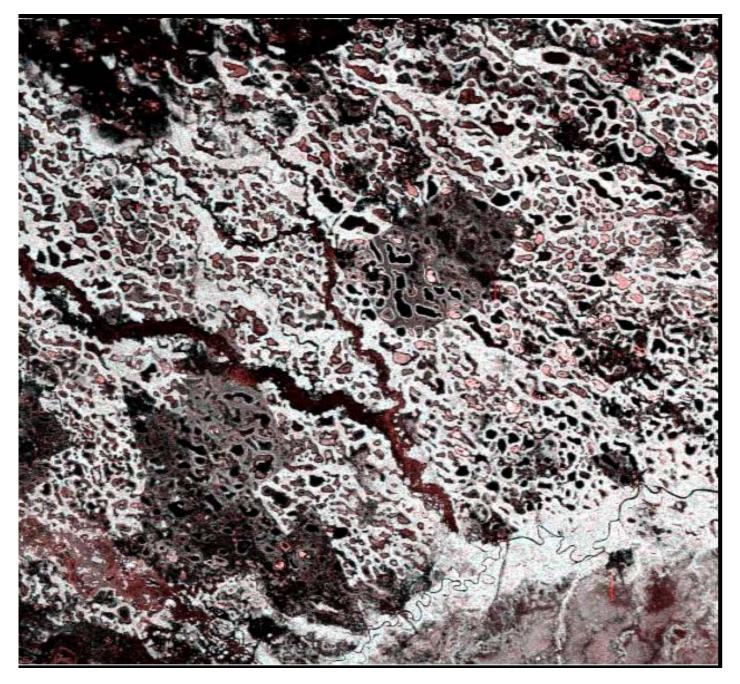




Strip data.... Start to look at. But it seems the geometry will be an issue



Dual polarization – HH and HV strip data



Problems/solutions:

- Strip data: geometry.....
- Mosaic: 1 mosaic dual pol by the end of 2008

Impact: flooding map only possible in 2009

