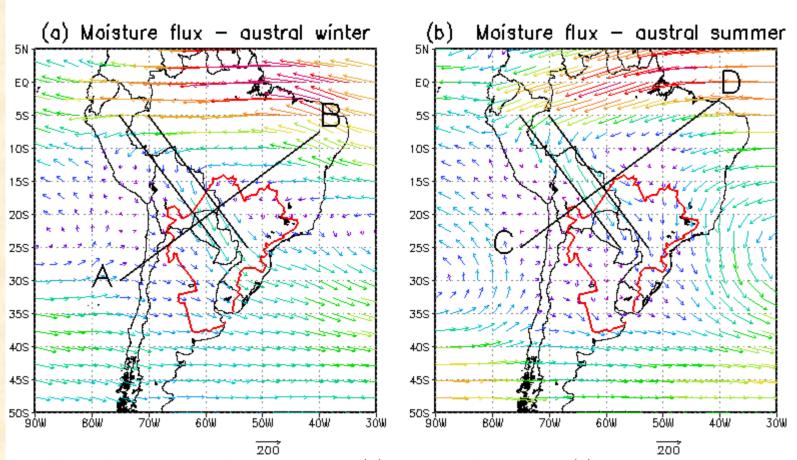
THEME IV: ADDITIONAL SALLJ RELATED TOPICS Hugo Berbery

Some related issues

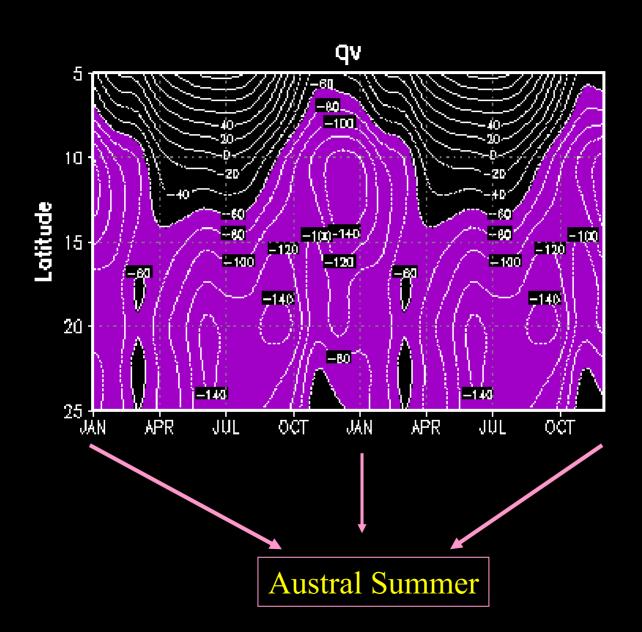
- LLJ Annual Cycle
- Precipitation Modes assoc with the LLJ
- Organization and future activities



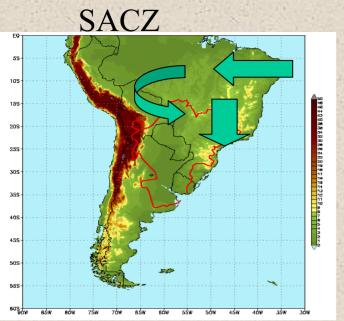
Vertically integrated moisture flux for (a) austral winter, and (b) austral summer. Units are kg m⁻¹ s⁻¹.

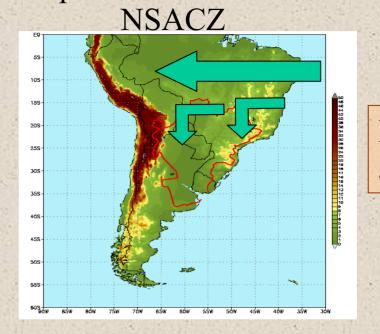
The two parallel solid lines east of the Andes represent the core of the LLJ; AB and CD are transects used to show cross sections.

Berbery and Barros, 2002: JHM

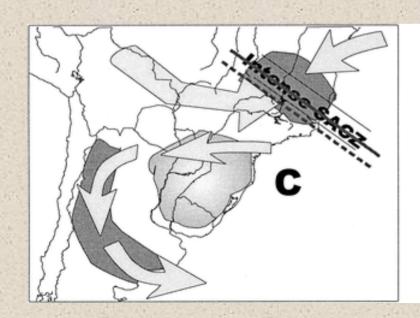


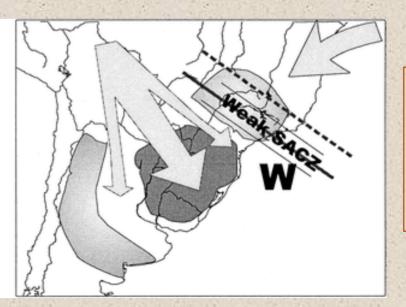
The summer dipole



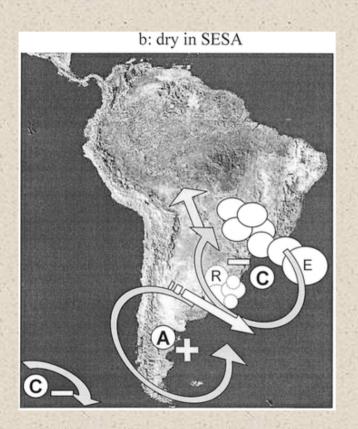


Herdies et al. 2002



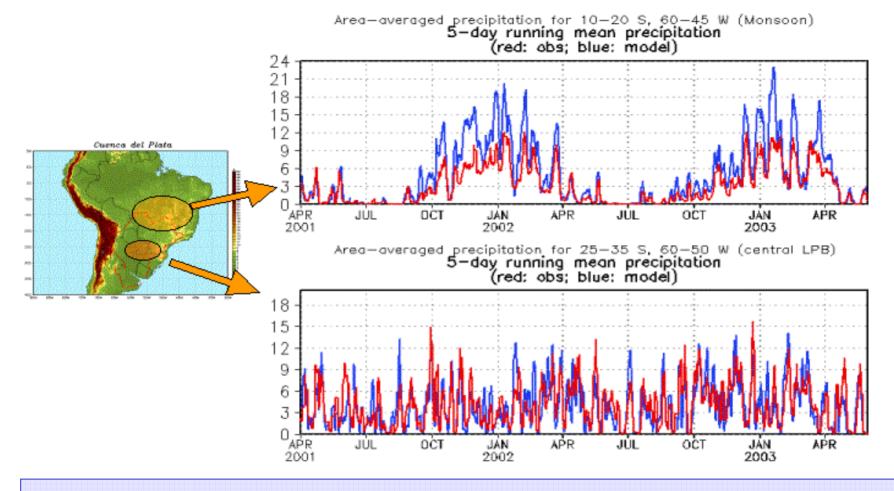


Doyle and Barros 2002



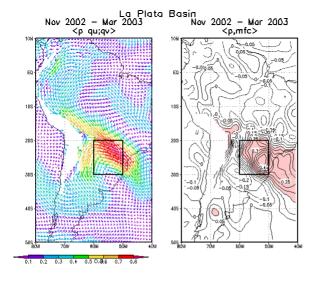


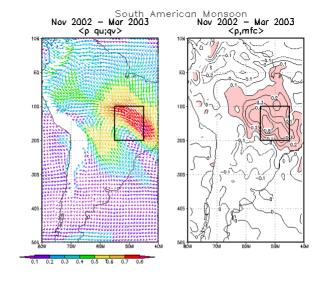
Diaz and Aceituno 2003

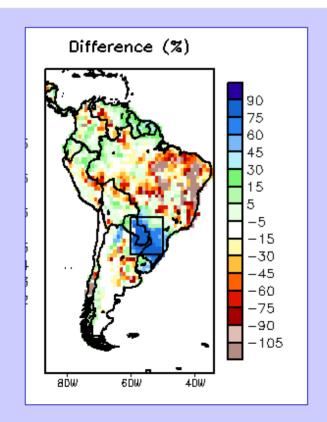


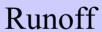
While there is an excess of model precipitation over the Monsoon region, the Eta model successfully reproduces the day to day variability.

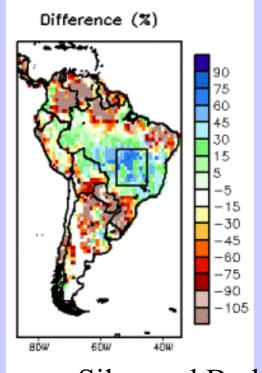
In the southern region, the model reproduces the variability and magnitude of the precipitation.



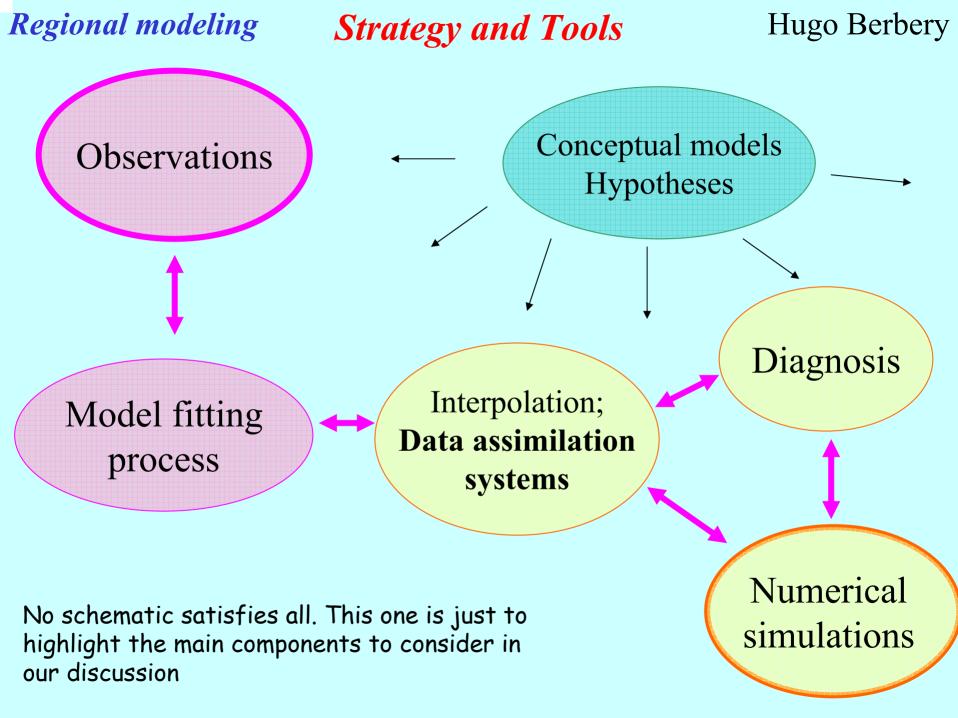








Silva and Berbery, 2004



Verification issues:

Let's not confuse observations with truth

Oh oh...

What is the best strategy for improvements in operational climate prediction of warm season precipitation?

What we have today:

- Different types of observations are (or will become) available.
- Regional models are available.

The missing link:

A user friendly Data Assimilation System for research/application purposes.