



**FOURTH MEETING OF THE PRINCIPAL INVESTIGATORS OF THE PROSUR
IAI CRN – 055**

Cruzeiro, SP, Brazil
6-8 October, 2003

| Monday, 6 th October, 2003 | | |
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| 09:00 | Brazil CPTEC Welcome | Carlos Nobre |
| 09:10 | IAI Welcome | Gustavo Necco/Gerhard Breumann |
| 09:25 | Background of the CRN Project and Objectives | Mario Nuñez |
| | Session I | (Moderator) Iracema FACavalcanti |
| 09:40 | Interdecadal, interannual and intraseasonal climate variability. Impacts and mechanisms. Group Report | Alice Grimm |
| 10:00 | Extreme Events Group Report | Walter Vargas |
| 10:30 | Coffee Break | |
| 11:00 | South American low level Jet Group Report | José Marengo |
| 11:30 | Land surface processes Report | Pedro Leite da Silva Dias |
| 12:00 | Atmospheric Modeling Group Report | Mario Nuñez |
| 12:30 | Lunch | |
| | Session I | |
| 14:30 | PROSUR Human Dimensions | Silvina Solman |
| | Session II | (Moderator) José Marengo |
| 15:00 | Air-sea interaction over the South Pacific during ENSO | Carolina Vera |
| 15:20 | Observed Trends of Precipitation in the PROSUR Area | Brant Liebmann et al |
| 15:40 | The changing impact of ENSO on South America and interdecadal variability: seasonality and relationships with SST | Alice Grimm |
| 16:00 | Coffee Break | |
| | Session II | (Moderator) Tercio Ambrizzi |
| 16:40 | Variabilidad climática de la precipitación sobre Uruguay y tendencias regionales | Mario Bidegain |
| 17:00 | Estructuras de la precipitación en la Cuenca del Plata-Primera Parte | Walter Wargas, O. Penalba |
| 17:20 | Intraseasonal variability on SACZ and influences over Southern South America | Christopher C Castro and Iracema FA Cavalcanti |
| 17:40 | Simulations of Climate Variability over Southern South America in intraseasonal, and interdecadal timescales. | Iracema FA Cavalcanti |
| 20:00 | Jantar/Evento | |

| Tuesday, 7 th October, 2003 | | |
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| | Session III | (Moderator) Carolina Vera |
| 09:00 | Regional modulations of the South American monsoon and their impact on the water cycle of the La Plata basin | Ernesto Hugo Berbery |
| 09:20 | Impact of the shaved-eta coordinate in the Andes LLJ simulations | Pedro Leite da Silva Dias |
| 09:40 | The influence of land surface representation on the regional simulation of southern South America climate for January | M. F. Cabré, N. Castillo Marín, C. G. Menéndez, M. N. Nuñez and S. A. Solman |
| 10:00 | IAI Small Grant Proposals from the PROSUR Community | Mario Nuñez |
| 10:20 | Coffee Break | |
| | Session IV | (Moderator) Pedro Silva Dias |
| 10:50 | Water Deficiencies Monthly Spells over the Uruguayan territory: its variation in frequency across the early 80s' climate shift | Mario Cafera |
| 11:10 | Relación entre factores climáticos Y cultivos en la cuenca del Plata. Reflexiones sobre un estudio multidisciplinario | Olga Penalba, Walter Vargas, M. Bettoli |
| 11:30 | Preliminary results of SALLJEX-Brazil | José Marengo, Iracema Cavalcanti, Silva Dias, Machado, Seluchi, Tomasella, Fisch |
| 11:50 | The relationship between extreme South American LLJ events with the formation and maintenance of mesoscale convective systems | Matilde Nicolini, J. C Torres, P. Salio, E. Zipser |
| 12:10 | El jet del Chaco: Un caso de estudio | Celeste Saulo |
| 12:30 | Lunch | |
| | Session V | (Moderator) Alice Grimm |
| 14:30 | Some problems in integrated fluvial basins models and their use as forecasting models. | Pablo Jacovkis |
| 14:50 | Connections between the land surface fluxes and the predicted precipitation over southeast Brazil | Humberto Rocha |
| 15:10 | LLJ of January 21, 2003: a case of scale interaction | Maria Assunção da Silva Dias |
| 15:30 | The western border of the South Atlantic high: Trends and attribution | Vicente Barros, Gustavo Escobar and Inés Camilloni |
| 16:10 | Coffee Break | |
| 16:40 | PLENARY SESSION: FUTURE OF THE PROJECT | |
| 20:00 | Jantar/Evento | |

| Wednesday, 8 th October, 2003 | | |
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| | Session VI | (moderator) Hugo Berbery |
| 9:00 | The largest floods in the Uruguay River and their climate forcing | Ines Camilloni and Ruben Caffera |
| 9:20 | Cyclone/Anticyclone tracks and climate variability: synoptic climatology of cold waves in Subtropical South America | Alexandre B Pezza and Tercio Ambrizzi |
| 9:40 | Precipitation and low level moisture flux over central South America, composites of 1960-1998 ENSO events | Guillermo Berri |
| 10:00 | Prediction of precipitation anomalies in the monthly timescale over homogeneous regions in Southern and Southeastern S America | Andrea Cardoso |

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| 10:20 Coffee Break | | |
| | Session VII | (Moderator) Mario Cafera |
| 10:50 | Variabilidade intrasazonal no verão: modulação pela variabilidade interdecadal. | Simone E Ferraz |
| 11:10 | Modelagem Acoplada Bioma-Clima: Aplicações para os Pampas | Marcos Oyama and Carlos Nobre |
| 11:30 | Opposite phases of the Antarctic Oscillation and intraseasonal to interannual activity in the tropics during the Austral Summer | Leila MV Carvalho, C Jones and Tercio Ambrizzi |
| 11:50 | Is there any connection between the Brazil-Malvinas Confluence region and hydro-meteorological conditions over the Southeast South America? | Carlos Lentini |
| 12:10 | Proposals for implementation and development of the regional UV index forecasts in South America | Marcelo Correa and Genaro Coronel |
| 12:30 Lunch | | |
| | Session VIII | (Moderator) Matilde Nicollini |
| 14:30 | Verificações preliminares do modelo de umidade do solo operacional no CPTEC | Daniel A Rodriguez and Javier Tomazella |
| 14:50 | Characteristics and variability of the SALLJ from observations and reanalyses: Climatology and the case study of January 2003. | Wagner Soares and J Marengo |
| 15:10 | Simulation of a MCC in a Global Atmospheric Circulation Model CPTEC/COLA experiment using assimilation data from the SALLJ EX | Dirceu Herdies, Iracema FA Cavalcanti and J Marengo |
| 15:30 | The LLJ in the simulations with Regional Climate Model 2 | Rosmeri P. Rocha and Tercio Ambrizzi |
| 15:50 | Modeling the radiative effects of the biomass burning aerosol particles on the thermodynamic structure of the atmosphere. | Karla Longo and Saulo Freitas |
| 16:10 Coffee Break | | |
| 16:40 | Summary and discussions | All Co-Pis |
| 17:30 | Final considerations | Pi-Mario Núñez |