

**INTER-AMERICAN INSTITUTE FOR
GLOBAL CHANGE RESEARCH**



EC-XVIII
December 4-5, 2003
San José, Costa Rica

8_ECXVIII/DID/English/Nov 17, 2003

CRN PROGRESS REPORT-NOVEMBER 2003

TIMOTHY BAUMGARTNER- CRN 062

Workshops	4
Links with international organizations	GLOBEC, SCOR, IRI, CPPS
Publications	8
Students	PhD=3 MsC=3
Books Chapters	2
Other Publications	2
Web-Sites	http://www-mlrg.ucsd.edu/CUFES/
	http://imecocal.cicese.mx/
	http://ecologia.cicese.mx/~iaiepcor/sardine/index.htm
	http://www.scielo.cl/

ULISES CONFALONIERI – CRN 048

Students	
PhD	7
MSc	8
Bs	3
Workshops	3
Additional Funds	Science Communications Studies U\$S 10.800= Add. Funds: Assesment of Impacts and Adaptation to Climate change in Human Health in the Caribbean -2003-2005 U\$S217.998=
Conferences	19
Journals	6
Books or other non-periodical, one time publications	16

EDUARDO FRANCO – CRN 031

Students	40
Workshops	Mexico; Ecuador; Univ. of Osaka(Japan)
Networking	Process for creation of a network for the APEC Countries
Publications	Books Chapters 3
Florida	1 Bulletin
Mexico	8 Bulletins
Colombia	4 National Publications+ 3 International
Ecuador	2
Brasil	4
Argentina	2
Costa Rica	1
Additional Funds	
State of Florida	U\$S 50.000
Univ. Federal Pernanbuco (CNPq)	U\$S 18.000

Planning Actions	<ul style="list-style-type: none"> - COPI from USA new Advisor of Florida State Mitigations Department; - Warning network in Paraiba and newNGO at Univ. Federal Paraiba for Risk Analysis; - Bulletin-Colombia-Direccion Nacional del Sistema Nacional Presencia y Atención de Desastres.
Agreements with National, Regional and International Organizations	60
Data Bases Regional and Sub-Regional Colombia (Alto Cauca) Mexico Ecuador Argentina Costa Rica Florida State The Data Base of Colombia represents the best and unic source for Risk and Disasters Analysis.	Tijuana River Omitlan River Papaloapa Tehuantepec Manabi Pergamino (1894-2002) Parana River Basin (1977-2002) Salado River Basin (2000-2002) 5.000 Events 18.000 Events
Other Products	
Colombia Brasil	<ul style="list-style-type: none"> - Development of Data Bank of Meteorological Images; - Development of System for calculate Vulnerability

MARIO NUÑEZ – CNR 055

Journals	36
Scientific presentations	121
Networking (visits)	21
PhD	10
Affiliated Prograns	VAMOS
Thematics Groups South American Low Level Jet	Matilde Nicolini, José Marengo, María A. Silva Dias http://www.cima.at.fcen.uba.ar/prosur/documentos/_2002SalljGroup.pdf

Extreme Events	Brant Liebmann, Carolina Vera http://www.cima.at.fcen.uba.ar/prosur/documentos/_2002ExtremeEventsGroup.pdf
Land Surface Processes	Jose Marengo, Pedro L. Silva Dias http://www.cima.at.fcen.uba.ar/prosur/documentos/_2002LandSurfacePrGroup.pdf
Atmospheric Modeling	Iracema FA Cavalcanti, Mario Nuñez http://www.cima.at.fcen.uba.ar/prosur/documentos/_2002AtmoModelGroup.pdf
Climate Variability. Impacts and Mechanisms	Alice Grimm, Tercio Ambrizzi http://www.cima.at.fcen.uba.ar/prosur/documentos/_2002ClimateVariabilityGroup.pdf
Floods in the Plata Basin: Impacts and Climate Forcing. Pilot Project	Vicente Barros, Hugo Berbery http://www.cima.at.fcen.uba.ar/prosur/documentos/_2002PP_PlataFloods.pdf
Human Dimension of Floods in La Plata Basin. Pilot Project	Silvina Solman, Matilde Rusticucci http://www.cima.at.fcen.uba.ar/prosur/documentos/_2002PP_HumanDimension.pdf

OSVALDO SALA – CRN 012

Workshops	1
Publications	
Journals	19
Book Chapters	3
Book review popular articles	1
Presentations Scientific Mtgs.	19
Partner Organizations	- Red Latinoamericana de Botanica - Millenium Ecosystem Assessment
Students	
PhD	12
MsC	2
Bs	1

JUAN SILVA – CRN 040

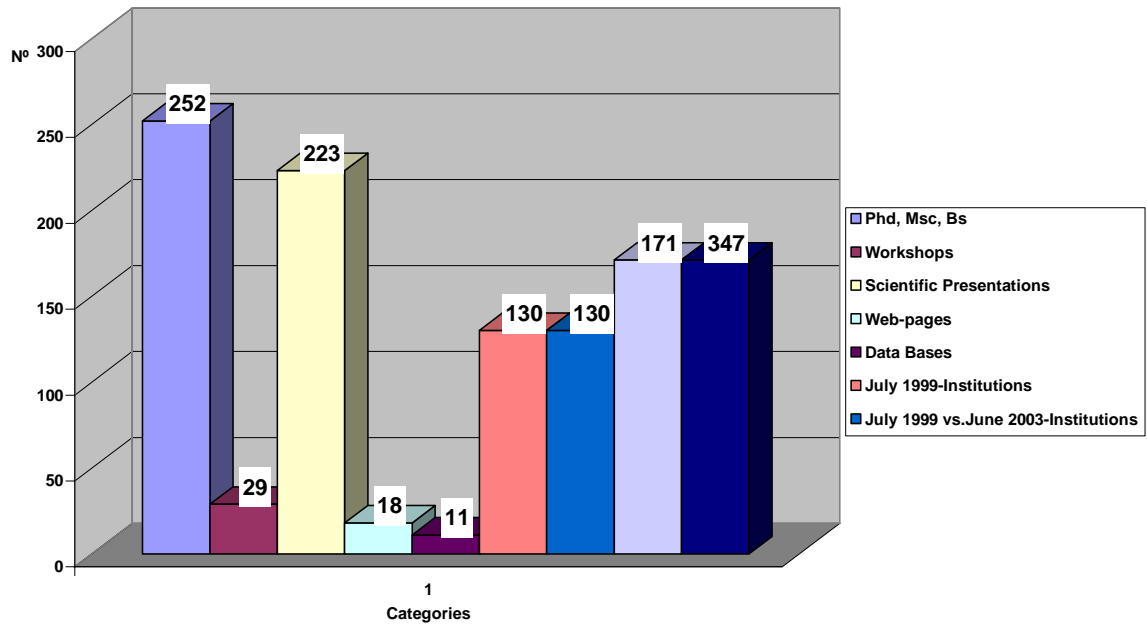
Students	
PhD	12
MsC	10
BS	4
Partner Organizations	Corporacion Autonoma Regional de la Orinoquia (Colombia); Universidad Pedagógica y Tecnológica de Colombia; Universidad Simon Bolivar (Venezuela); Instituto de Genetica y Biología-Universidad de Tucuman (Argentina); Fundacion Caldenius-Tucuman (argentina); The Woods Hole Research Center (USA); Centro de Energia Nuclear en Agricultura – Piracicaba-Brasil
Workshpos	2

Networking	CRN 003
Publications	
Journals	5
Other Publications	3
Presentations scientific Mtgs.	9

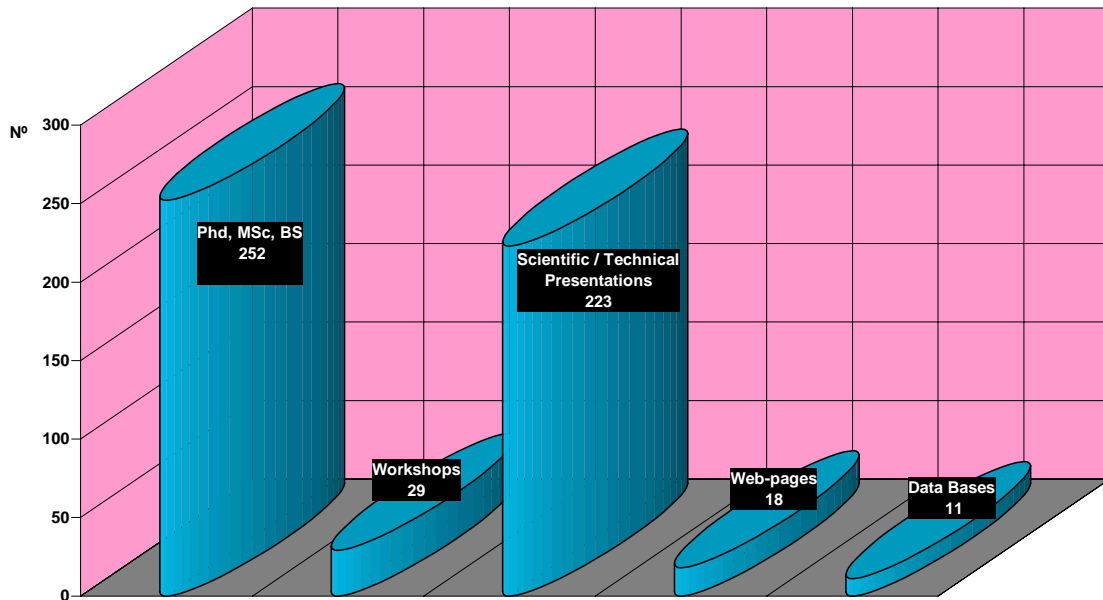
CHARLES WOOD CRN 009

Workshops	3
Publications	
Journals	5
Books	4
Book Chapters in press	5
Presentation Scientific Mtgs.	13
Other Publications	5
Students	
PhD	4
MSc	3
Regional Conclutions Books	Ecuador Peru Acre-Brasil Maranhao-Brasil Para-Brasil
Additional Resources	
-Mecanismo de Desenvolvimento Limpo e Desenvolvimento Sustentável na Amazônia: do global ao local.	CAPES-COFECUB/2003-2005 U\$S 85.000=
-Sustentabilidade da pecuária através de sistemas silvipastoris.	EMBRAPA/2002/2003 U\$S 21.000=
-ALFA: América Latina Formacion Acadêmica.	EC/2004/2007 U\$S 1.100.000=
-Gestao da biodiversidade e dos recursos naturais na Amazonia	IFB-France/2004/2007 U\$S 85.000=

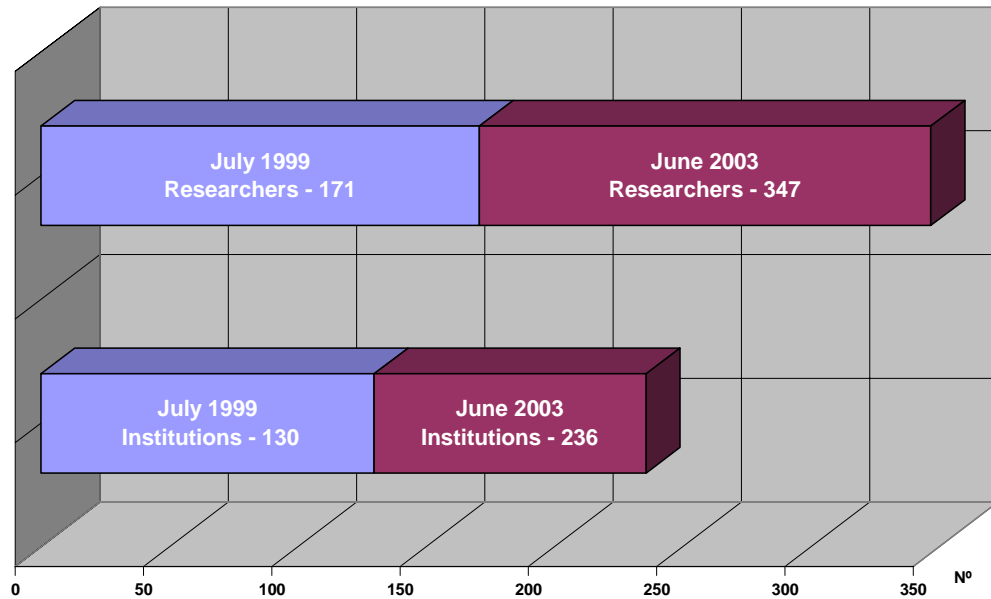
CRN Numbers



SUMMARY RESULTS IN CRN PROGRAM REPORT JULY 2002 / JUNE 2003



TOTAL NUMBER OF INSTITUTIONS & RESEARCHERS IN CRN PROGRAM
-JULY 1999 vs. JUNE 2003-



CRN FINALIZATIONS

WOOD-----DEC.15, 2003
MAGAÑA-----MAY.5, 2004
CAMPOS-----AUG.15, 2004
McClain-----AUG.30, 2004
VERNET-----SEP.16, 2004
FRANCO-----OCT.9, 2004
BAUMGARTNER-----OCT.19, 2004
TIESSEN-----NOV.1, 2004
LUCKMAN-----NOV.19, 2004
SILVA-----DEC.1, 2004
CORNEJO-----AN.27, 2005
NUÑEZ-----FEB.9, 2005
SALA-----FEB.9, 2005
CONFALONIERI-----NOV.15, 2005

PUBLICATIONS – CRN - 2003

Publish

- 1) Costa–Dias, R. & Confalonieri, U. E. C., 2003. Variabilidade Climática e Incidência de Malária no Estado de Roraima, 1984 – 1997. REV. SOC. BRASIL. MED. TROP., 36 (Supl. 1): 292–293. (CRN-048)
- 2) Ruiz, D., G.Poveda, R.I.Mantilla, M.L.Quiñónez, I.D.Vélez, G.Rúa, W.Rojas, and J.S.Zuluaga. “Modeling entomological-climatic interaction of malaria transmission”. Revista de la Sociedad Colombiana de Entomología [National Entomology Society Journal), Reference HAV 18-02, 2002. (CRN-048)

- 3) Waylen, P., and G. Poveda. El Niño-Southern Oscillation and aspects of Western South America hydro-climatology, *Hydrological Processes*, 16, 1247-1260, 2002. (CRN-048)
- 4) Barros V., M. Doyle, M. González, I. Camilloni, R. Bejarán and R. Caffera. Climate variability over subtropical South America and the South American monsoon: A review. *Meteorologica*, 27. (CRN-055).
- 5) Barros V. G. Silvestri. On the relation between sea surface temperature at the subtropical south-central pacific and precipitation in southeastern South America. *J. Climate*, 15, 251-267. (CRN-055).
- 6) Barros V. R., A. M. Grimm, M. E. Doyle. Relationship between temperature and circulation in Southeastern South America and its influence from El Niño and La Niña events. *Journal of the Meteorological Society of Japan*. 89, 21-32. (CRN-055).
- 7) Berri, G.J., M.A. Ghietto and N.O. García. The influence of ENSO in the flows of the Upper Paraná River of South America over the past 100 years. *Journal of Hydrometeorology*, Vol. 3, 1, 57-65. (CRN-055).
- 8) Berri, G.J., E.A. Flamenco, L. Spescha, R.A. Tanco and R. Hurtado. Some Effects of La Niña on Summer Rainfall, Water Resources and Crops in Argentina, in *La Niña and Its Impacts: Facts and speculation*. Glantz, M.H. (Ed.). United Nations University. (CRN-055).
- 9) Berbery E., V. Barros. The Hydrologic Cycle of the La Plata basin in South America. *J. Hydrometeorology*. 3, 630-645. (CRN-055).
- 10) Campetella C. and C. Vera The influence of the Andes mountains on the South American low-level flow. *Geophysical Research Letters*. Vol. 29, Nº17, 1826, doi: 10.1029/2002 GL015541, 2002. (CRN-055).
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- 12) Doyle M. and V. Barros. Midsummer low-level circulation and precipitation in subtropical South America and related sea surface temperature anomalies in the South Atlantic. *Journal of Climate*, v.15, 3394-3410. (CRN-055).
- 13) González M., V. Barros and M. Doyle. Relation between the onset and end of the South American summer monsoon and rainfall in subtropical South America. *Climate Res.*, 21, 141-155. (CRN-055).
- 14) González M and V. Barros. On the Forecast of the Onset and End of the Convective Season in the Amazon. 2002. *Theor. Appl. Climatol.*, 73,169-188. (CRN-055).
- 15) Liebmann B.; J. A. Marengo Interannual Variability of Rainfall and the Rainy Season in the Brazilian Amazon Basin; *Journal of Climate*, v.14, p.4308-4318. (CRN-055).
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- 17) Marengo J., Soares W. Episodio de Jatos de baixos nveis durante 13 a 19 de abril de 1999. *Revista Brasileira de Meteorologia*, Sao Paulo, v.17, n.1, p.35-54. (CRN-055).
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- 20) Moral A.E., B. Cerne, N. Possia, J.C. Ríos. Una Tormenta Severa En Resistencia. *Investigaciones y Ensayos Geográficos*. Pag. 88-101. Idioma: español. (CRN-055).
- 21) Nicolini M., Torres Brizuela M. Sensitivity to a two-dimensional convective model to turbulence parameterization. *Atmósfera*. Vol. 15, Nº4 193-207. http://www.ejournal.unam.mx/atmosfera/atmosfera_index.html. (CRN-055).
- 22) Nicolini M., C. Saulo, J. C. Torres and P. Salio. Enhanced precipitation over southeastern South America related to strong low-level jet events characterization during austral warm season. *Meteorologica - Special Issue on South American Monsoon System*, vol 27, 59-70. (CRN-055).

- 23) Nicolini M., Y. García Skabar, A. G. Ulke, and A. C. Saulo. RAMS model performance in simulating precipitation during strong low-level jet events over South America. *Meteorologica - Special Issue on South American Monsoon System*, vol 27, 89-98. (CRN-055).
- 24) Nicolini M., P. Salio, J. Katzfey, J.L. McGregor and A. C. Saulo. January and July regional climate simulation over South America. *Journal Geophysical Research - Atmosphere*. Vol. 107, Doi: 10.1029/2001JD000736. Noviembre 2002. (CRN-055).
- 25) Noguez-Paegle J., Mechoso C., Fu R., Berbery H., Winston. C., Chao T., Cook K., Diaz A., Enfield D, R. Ferreira, Grimm A., Kousky V., Liebmann B., Marengo J., Mo K., Neelin D., Paegle J., Robertson A., Seth A., Vera C., Zhou J. Progress in Pan American CLIVAR Research: Understanding the South American Monsoon. *Meteorologica*.27, 3-32. (CRN-055).
- 26) Pezza A.B. & Ambrizzi T. "Uma Associação entre as Anomalias da Temperatura da Superfície do Mar dos Oceanos Pacífico e Atlântico e a Temperatura, Geada e Precipitação na Estação Meteorológica do IAG;USP, em São Paulo, durante o Período de Inverno". *Revista Brasileira de Meteorologia*. 17(2): 165-179. (CRN-055).
- 27) Possia N.E. An explosive cyclogenesis over land. *Atmósfera*. Vol.15, N°1. pag. 1-19. (CRN-055).
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- 41) Wick, B., H. Tiessen, R.S.C. Menezes. 2000. Land quality changes following the conversion of natural vegetation into silvo-pastoral systems in semiarid NE Brazil. *Plant and Soil*, 222: 59-70. (CRN-001).

- 42) Amador, J. A., 2002. Clima y variabilidad climática en Costa Rica a través de información histórica del siglo XIX. En: Estudios sobre historia y ambiente en América, II: Norteamérica, Sudamérica y el Pacífico. Compiladores: Bernardo García Martínez y María del Rosario Prieto. México, El Colegio de México/IPGH/, 2002. (ISBN 968-6384-69-X), pp. 37-54. (CRN-073).
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- 45) Mora, Ileana y Jorge A. Amador, 2000. El ENOS, el IOS y la corriente en chorro de bajo nivel en el oeste del Caribe. *Top. Meteor. y Ocean.*, 7(1), 29-40. (CRN-073).
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- 2) Campetella C., A. C. Saulo. *Verificación objetiva del modelo LAHM/CIMA sobre el centro-este de Argentina y Uruguay*. Accepted in: *Meteorológica*. (CRN-055).
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- 4) Müller G.V, Compagnucci R.H, Nuñez M.N y Salles M.A. *Surface Circulation Associated with frost in the wet Pampas*. In Press. *International Journal of Climatology*. (CRN-055).
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- 3) Gurgel, H.C., 2002. Analyse Preliminaire de la Relation entre la Dynamique environnementale et la Dynamique de la malária dans l'État de Roraima, Brésil (Preliminary Analysis of the Relationships between Environmental Dynamics and the Dynamics of Malária in the State of Roraima, Brazil"), Mémoire du D.E.A. Géographie et Pratique du Development, Paris, 55 pp. (CRN-048)
- 4) Nogueira, D.S., 2003. Rainfall Variability in the State of Pará associated with ENSO, Report, Federal University of Pará, 22 pp. (CRN-048)
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- 6) G. Poveda. *Studying Malaria in Colombia*. Earth Science Picture of the Day (EPOD), May 28th, 2003. NASA sponsored web page: http://epod.usra.edu/archive/bymonth/arch_5_2003.php3. (CRN-048)

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