

South America Mappack of Basin Stratigraphy (selected)

	<i>Currently 33 Basins (222 columns)</i>	
		<i>Main references for stratigraphic columns/transects</i>
Brazil		
	Main Compilers = Marcos dos Santos Filho and Shalli Teixeira	Univ. Vale do Rio dos Sinos (UNISINOS); visiting scholars to Purdue Univ., Autumn 2014
Amazonas		
	Chitinozoan Assemblage	Grahn "Silurian and Lower Devonian chitinozoan taxonomy and biostratigraphy of the Trombetas Group, Amazonas Basin, northern Brazil" Bulletin of geosciences, Volume 80, Number 4, 2005
	Chitinozoan Species	Grahn "Silurian and Lower Devonian chitinozoan taxonomy and biostratigraphy of the Trombetas Group, Amazonas Basin, northern Brazil" Bulletin of geosciences, Volume 80, Number 4, 2005
	Miospore Biozone	Cunha et al., "Bacia do Amazonas", Boletim de Geociencias da Petrobras, Rio de Janeiro, Volume 15, n.2, 2007
	Miospore Species	Grahn "Silurian and Lower Devonian chitinozoan taxonomy and biostratigraphy of the Trombetas Group, Amazonas Basin, northern Brazil" Bulletin of geosciences, Volume 80, Number 4, 2005
	Depositional Environments	Cunha et al., "Bacia do Amazonas", Boletim de Geociencias da Petrobras, Rio de Janeiro, Volume 15, n.2, 2007
	Tectonic Events	Cunha et al., "Bacia do Amazonas", Boletim de Geociencias da Petrobras, Rio de Janeiro, Volume 15, n.2, 2007
	Lithology - Group names	Cunha et al., "Bacia do Amazonas", Boletim de Geociencias da Petrobras, Rio de Janeiro, Volume 15, n.2, 2007
	Lithology - Formation names	Cunha et al., "Bacia do Amazonas", Boletim de Geociencias da Petrobras, Rio de Janeiro, Volume 15, n.2, 2007
	Lithology - Transect	Cunha et al., "Bacia do Amazonas", Boletim de Geociencias da Petrobras, Rio de Janeiro, Volume 15, n.2, 2007
	Transect (2 columns including wells)	Cunha et al., "Bacia do Amazonas", Boletim de Geociencias da Petrobras, Rio de Janeiro, Volume 15, n.2, 2007
Campos		
	Nannofossil Cretaceous-Quaternary Biozones	Gomide, J., 1982. Bioestratigrafia do Nanoplankton Calcario da Bacia de Campos. Boletim Tecnico da Petrobras, Rio de Janeiro, v. 25, n. 3, p. 129-137; Maciel, D. M., Alves, C. F., Ferreira, E. P., 2012. Bioestratigrafia com Base em Nanofosseis Calcarios do Testemunho GL-77, Bacia de Campos, Sudeste do Brasil. Revista Brasileira de Paleontologia, v. 15, n. 2, p. 164 - 172
	Nannofossil Cretaceous-Quaternary Species	Maciel, D. M., Alves, C. F., Ferreira, E. P., 2012. Bioestratigrafia com Base em Nanofosseis Calcarios do Testemunho GL-77, Bacia de Campos, Sudeste do Brasil. Revista Brasileira de Paleontologia, v. 15, n. 2, p. 164 - 172
	Foraminifera Biozones	BouDagher-Fadel, M. K., Price, G. D., Koutsoukos, E. A. M., 2010. Foraminiferal Biostratigraphy and Paleoenvironments of the Pligocene-Miocene carbonate succession in Campos Basin, southesastern Brazil. Stratigraphy, v. 7, n. 4, p. 283 - 300
	Foraminifera Species	BouDagher-Fadel, M. K., Price, G. D., Koutsoukos, E. A. M., 2010. Foraminiferal Biostratigraphy and Paleoenvironments of the Pligocene-Miocene carbonate succession in Campos Basin, southesastern Brazil. Stratigraphy, v. 7, n. 4, p. 283 - 300
	Depositional Environments	Winder, W. R., Jahnert, R. J., Franca, A. B. 2007. Bacia de Campos. B. Geoci. Petrobras, Rio de Janeiro, v. 15, n. 2, p. 511-529
	Tectonic Events	Winder, W. R., Jahnert, R. J., Franca, A. B. 2007. Bacia de Campos. B. Geoci. Petrobras, Rio de Janeiro, v. 15, n. 2, p. 511-529
	Group names	Winder, W. R., Jahnert, R. J., Franca, A. B. 2007. Bacia de Campos. B. Geoci. Petrobras, Rio de Janeiro, v. 15, n. 2, p. 511-529
	Formation names - Transect	Winder, W. R., Jahnert, R. J., Franca, A. B. 2007. Bacia de Campos. B. Geoci. Petrobras, Rio de Janeiro, v. 15, n. 2, p. 511-529
	Transect	Winder, W. R., Jahnert, R. J., Franca, A. B. 2007. Bacia de Campos. B. Geoci. Petrobras, Rio de Janeiro, v. 15, n. 2, p. 511-529
Espirito Santo		Franca et al. "Bacia do Espirito Santo". Boletim de Geociencias da Petrobras, Volume 15, Number 2, pp 501-509, 2007.
	Tectonic Events	
	Stratigraphy - Formation names (transect, 2 columns)	
	Stratigraphy - Member names (transect, 2 columns)	
	Stratigraphy Transect (2 columns including wells)	
Foz Do Amazonas		

	Biozones	from Sousa et al. "Cenozoic biostratigraphy of larger foraminifera from the Foz do Amazonas Basin, Brazil", <i>Micropaleontology</i> , Volume 49, N.3, 2003
	Forams	from Sousa et al. "Cenozoic biostratigraphy of larger foraminifera from the Foz do Amazonas Basin, Brazil", <i>Micropaleontology</i> , Volume 49, N.3, 2003
	Tectonic Events	Figueiredo et al. "Bacia da Foz do Amazonas", <i>Boletim de Geociencias da Petrobras</i> , Volume 15, n.2, 2007
	Lithology - Formation names	Figueiredo et al. "Bacia da Foz do Amazonas", <i>Boletim de Geociencias da Petrobras</i> , Volume 15, n.2, 2007
	Depositional Environments	Figueiredo et al. "Bacia da Foz do Amazonas", <i>Boletim de Geociencias da Petrobras</i> , Volume 15, n.2, 2007
	Lithology Transect (2 columns including wells)	Figueiredo et al. "Bacia da Foz do Amazonas", <i>Boletim de Geociencias da Petrobras</i> , Volume 15, n.2, 2007
	Transect	Figueiredo et al. "Bacia da Foz do Amazonas", <i>Boletim de Geociencias da Petrobras</i> , Volume 15, n.2, 2007
Tarija		
	Devonian Palynology Biozones	Noetinger, S., di Pasquo, M. M., 2011. Devonian Palynological Assemblages from the San Antonio x-1 Borehole, Tarija Basin, Northwestern Argentina. <i>Geologica Acta</i> , v. 9, n. 2, p. 199-216
	Palynology Range	Noetinger, S., di Pasquo, M. M., 2011. Devonian Palynological Assemblages from the San Antonio x-1 Borehole, Tarija Basin, Northwestern Argentina. <i>Geologica Acta</i> , v. 9, n. 2, p. 199-216
	Depositional Environments	Milani, E. J., Thomaz Filho, A., 2000. Sedimentary domains of the South American Plater. In : Edison Jose Milani, Antonio Thomaz Filho (eds). <i>SEDIMENTARY BASINS OF SOUTH AMERICA</i> .
	Tectonics	Milani, E. J., Thomaz Filho, A., 2000. Sedimentary domains of the South American Plater. In : Edison Jose Milani, Antonio Thomaz Filho (eds). <i>SEDIMENTARY BASINS OF SOUTH AMERICA</i> .
	Lithology - Formation names	
	Transect	
Putumayo-Oriente-Maranon		
	Oriente - Tectonic Events	Barragan, R., Baby, P. and Duncan, R., 2005. Cretaceous alkaline intra-plate magmatism in the Ecuadorian Oriente Basin: Geochemical, geochronological and tectonic evidence. <i>Earth and Planetary Science Letters</i> , 236: 670-690; and Porturas F., Vela I., Pazos J., Humbert O. 2009. Lifting more dry oil reducing water production with inflow control devices in wells drilled and completed in consolidated reservoirs, bloques 15, Ecuador. <i>European region newsletter</i> , vol.4, p.2-6.
	Oriente - Depositional Environments	
	Oriente - Lithology	
	Oriente - Transect (3 columns including wells)	
	Putumayo - Transect (3 columns including wells)	
	Maranon - Transect (3 columns including wells)	
Reconcavo		
	Tectonic Events	Silva et al. "Bacia do reconcavo - Boletim de Geociencias da Petrobras", Volume 15, Number 2, 2007
	Depositional Environments	
	Lithology - Group Names	
	Lithology - Formation Names (2 columns)	
	Lithology - Member Names (2 columns)	
San Jorge		
	Tectonic Events	Sylmam, C. A., 2001. Geologia de la Cuenca del Golfo San Jorge, Argentina. <i>Journal of Iberian Geology</i> , 27, 123-
	Depositional Environments	
	Lithology	
	Lithology - Formation Names	
	Transect (3 columns including wells)	
Sao Francisco		
	Depositional Environments	Zalan, P. V., Silva, P. C. R., 2007. Bacia do Sao Francisco. <i>Boletim de Geociencias da Petrobras</i> , Rio de Janeiro, v. 15, n. 2, p. 561 - 571
	Tectonics	
	Lithology -Group Names	
	Lithology -Formation Names	
	Transect	

Sergipe-Alagoas		Neto, O. P. A. C., Lima, W. S., Cruz, F. E. G., 2007. Bacia de Sergipe-Alagoas. B. Geoci. Petrobras, Rio de Janeiro, v. 15, n. 2, p. 405-415
	Sergipe - Group Names	
	Sergipe - Formation Names	
	Sergipe - Tectonic Events	
	Sergipe - Depositional Environments	
	Sergipe - Transect	
	Alagoas - Group Names	
	Alagoas - Formation Names	
	Alagoas - Tectonic Events	
	Alagoas - Depositional Environments	
	Alagoas - Transect	
Colombia		
	Compilers = Estefania Salgado Jauregui	Universidad Nacional de Colombia-Sede Bogotá; visiting scholar to Purdue Univ., Autumn 2015
Northern Colombia		
Guajira		
	Lithology	
	Petro-Systems	
	Tectonic Events	
	Tectonic Events - Details	
Cesar Ranchera		
	Lithology	
	Petro-Systems	
	Structure	
Sinu-San Jacinto		
	Petro-Systems	
	Transect (5 columns including wells)	
Catatumbo		
	Lithology	
	Petro-Systems	
Southern Colombia		
Upper Magdalena Valley		
	Lithology	
	Petro-Systems	
Caguan-Putumayo		
	Lithology	
	Petro-Systems	
	Transect (5 columns including wells)	
Vaupés-Amazonas		
	Lithology	
Eastern Colombia		
E. Cordillera		
	Tectonic Events	
	Tectonic Events - Details	
	Maps	
	Maps - Details	
	W. Belt Lithology	
	W. Belt Nomenclature	
	W. Belt Petro-Systems	
	W. Belt Trap-Formation	
	E. Belt Lithology	
	E. Belt Nomenclature	
	E. Belt Petro-Systems	
	E. Belt Trap-Formation	

Llanos		
	Lithology	
	Petro-Systems	
	Trap-Formation	
	Palynology Zones	
	Nomenclature	
Middle Magdalena Valley		
	Lithology	
	Petro-Systems	
	Trap-Formation	
	Accumulation	
Western Colombia		
Tumaco		
	Lithology	
Choco		
	Lithology - Arato	
	Petro-Systems - Arato	
	Lithology - San Juan	
	Petro-Systems - San Juan	
Uraba		
	Lithology	
	Petro-Systems	
Cauca Patia		
	Lithology	
	Petro-Systems	
Amaga		
	Lithology	
Venezuela		
	Compilers = Estefania Salgado Jauregui	Universidad Nacional de Colombia-Sede Bogotá; visiting scholar to Purdue Univ., Autumn 2015
Colombia - Venezuela Border		
	Transect (7 columns including wells)	
Merida Andes		
	Transect (9 columns including wells)	
Maracaibo & Barinas		
	Transect (7 columns including wells)	
E. Venezuela - Maturin Basin		
	Transect (2 columns including wells)	
E. Venezuela		
	Tectonic Events	
	Lithology Transect (3 Columns including wells)	
	Stratigraphy Transect (3 Columns including wells)	
Lower Magdalena Valley		
	Dinoflagellate Zones	Campos, L. M., 2006. Los Dinoflagelados del Mioceno Medio alto - Mioceno Superior del Caribe Colombiano: Taxonomia, Bioestratigrafia e Implicaciones Geologicas. Mastership thesis, EAFIT University, 92 p.
	Dinoflagellate Events	Campos, L. M., 2006. Los Dinoflagelados del Mioceno Medio alto - Mioceno Superior del Caribe Colombiano: Taxonomia, Bioestratigrafia e Implicaciones Geologicas. Mastership thesis, EAFIT University, 92 p.
	Palynology Zones	Jaramillo, C., Rueda, M., 2004. Impact of Biostratigraphy on Oil Exploration. 3rd Convencion Tecnica de la ACGGP

	Palynology Events	Jaramillo, C., Rueda, M., 2004. Impact of Biostratigraphy on Oil Exploration. 3rd Convencion Tecnica de la ACGGP; Jaramillo, C. A., Rued, M., Torres, V., 2010. A Palynological Zonation for the Cenozoic of the Llanos and Llanos Foothills of Colombia. <i>Palynology</i> , v. 35, n. 1, p. 46-84
	Foram Zones	Rincon, D. A., Arenas, J. E., Cuartas, C. H., Cardena, A. L., Molinares, C. E., Caicedo, C., Jaramillo, C., 2007. Eocene-Pliocene Planktonic Foraminifera Biostratigraphy from the Continental Margin of the Southwest Caribbean. <i>Stratigraphy</i> , v. 4, n. 4, p. 261-311
	Foram Subzones	Rincon, D. A., Arenas, J. E., Cuartas, C. H., Cardena, A. L., Molinares, C. E., Caicedo, C., Jaramillo, C., 2007. Eocene-Pliocene Planktonic Foraminifera Biostratigraphy from the Continental Margin of the Southwest Caribbean. <i>Stratigraphy</i> , v. 4, n. 4, p. 261-311
	Foram Ranges	Rincon, D. A., Arenas, J. E., Cuartas, C. H., Cardena, A. L., Molinares, C. E., Caicedo, C., Jaramillo, C., 2007. Eocene-Pliocene Planktonic Foraminifera Biostratigraphy from the Continental Margin of the Southwest Caribbean. <i>Stratigraphy</i> , v. 4, n. 4, p. 261-311
	Depositional Environments	ECOPETROL-ICP-GOX. 2001. Evaluación de la prospectividad del Sector Atlántico. Technical report.
	Tectonic Events	PetroSeis Ltda., 2011. Informe Final de Interpretacion Sismica Componente Horizontal y Vertical. Report for the ANH, Colombia, 76 p.
	Transect	None written.
	Lithology (Estefania)	INGEOMINAS 1998 Geological map No. 25 Fundacion; Hernandez M. 2002. GEOLOGÍA DE LAS PLANCHAS 25 FUNDACIÓN, 32 MONTEERRUBIO Y 39 EL DIFICIL
	Petro-Systems (Estefania)	Barrero, D., Pardo, A., Vargas, C.A., and Martínez, J.F., 2007, Colombian Sedimentary Basins: Nomenclature, Boundaries, and Petroleum Geology, a New Proposal, Agencia Nacional de Hidrocarburos
southern South America (selected)		
Parana		
	Chitinozoan Zones	Grahn, Y., Bergamaschi, S., Pereira, E., 2002. Middle and Upper Devonian Chitinozoan Biostratigraphy of the Parana Basin in Brazil and Paraguay. <i>Palynology</i> , 26, p. 135-165; Ghra, Y., Pereira, E. 2000. Silurian and Lower Devonian Chitinozoan Biostratigraphy of the Parana Basin in Brazil and Paraguay. <i>Palynology</i> , 24, p. 147-176
	Chitinozoan Subzones	Grahn, Y., Bergamaschi, S., Pereira, E., 2002. Middle and Upper Devonian Chitinozoan Biostratigraphy of the Parana Basin in Brazil and Paraguay. <i>Palynology</i> , 26, p. 135-165; Ghra, Y., Pereira, E. 2000. Silurian and Lower Devonian Chitinozoan Biostratigraphy of the Parana Basin in Brazil and Paraguay. <i>Palynology</i> , 24, p. 147-176
	Chitinozoan Species	Ghra, Y., Pereira, E. 2000. Silurian and Lower Devonian Chitinozoan Biostratigraphy of the Parana Basin in Brazil and Paraguay. <i>Palynology</i> , 24, p. 147-176
	Pollen Zones	Souza, P. A. Marques-Toigo, M., 2003. An overview on the Palynostratigraphy of the Upper Paleozoic strata of the Brazilian Parana Basin. <i>Rev. Mus. Argentino Cienc. Nat.</i> , v. 5, n. 2, p. 205-214
	Pollen Subzones	Souza, P. A. Marques-Toigo, M., 2003. An overview on the Palynostratigraphy of the Upper Paleozoic strata of the Brazilian Parana Basin. <i>Rev. Mus. Argentino Cienc. Nat.</i> , v. 5, n. 2, p. 205-214
	Pollen Species	Souza, P. A. Marques-Toigo, M., 2003. An overview on the Palynostratigraphy of the Upper Paleozoic strata of the Brazilian Parana Basin. <i>Rev. Mus. Argentino Cienc. Nat.</i> , v. 5, n. 2, p. 205-214
	Depositional Environments	Milani, E. J., Melo, J. H. G., Souza, P. A., Fernandes, L. A., Franca, A. B. 2007. Bacia do Parana. <i>Boletim de Geociencias da Petrobras</i> , v. 15, n. 2, p. 265-287
	Tectonic Events	Milani, E. J., Melo, J. H. G., Souza, P. A., Fernandes, L. A., Franca, A. B. 2007. Bacia do Parana. <i>Boletim de Geociencias da Petrobras</i> , v. 15, n. 2, p. 265-287
	Lithology - Group Names	Milani, E. J., Melo, J. H. G., Souza, P. A., Fernandes, L. A., Franca, A. B. 2007. Bacia do Parana. <i>Boletim de Geociencias da Petrobras</i> , v. 15, n. 2, p. 265-287
	Lithology - Formation (transect)	Milani, E. J., Melo, J. H. G., Souza, P. A., Fernandes, L. A., Franca, A. B. 2007. Bacia do Parana. <i>Boletim de Geociencias da Petrobras</i> , v. 15, n. 2, p. 265-287
	Transect	Milani, E. J., Melo, J. H. G., Souza, P. A., Fernandes, L. A., Franca, A. B. 2007. Bacia do Parana. <i>Boletim de Geociencias da Petrobras</i> , v. 15, n. 2, p. 265-287
Malvinas		
	Nannofossil Biozones	Wise, S. W., 2007. Mesozoic and Cenozoic Calcareous Nannofossils recovered by Deep sea Drilling Project LEG 71 in the Falkland Plateau Region, Southwest Atlantic Ocean. In: Deep Sea Drilling Project Initial Reports, v. 71, p. 481-550

	Nannofossil Subzones	Wise, S. W., 2007. Mesozoic and Cenozoic Calcareous Nannofossils recovered by Deep sea Drilling Project LEG 71 in the Falkland Plateau Region, Southwest Atlantic Ocean. In: Deep Sea Drilling Project Initial Reports, v. 71, p. 481-550
	Nannofossil Events	Wise, S. W., 2007. Mesozoic and Cenozoic Calcareous Nannofossils recovered by Deep sea Drilling Project LEG 71 in the Falkland Plateau Region, Southwest Atlantic Ocean. In: Deep Sea Drilling Project Initial Reports, v. 71, p. 481-550
	Depositional Environments	Galeazzi, J. S., 1998. Structural and Stratigraphic Evolution of the Western Malvinas Basin, Argentina. AAPG Bulletin, v. 82, n. 4, p. 596-636
	Tectonic Events	Galeazzi, J. S., 1998. Structural and Stratigraphic Evolution of the Western Malvinas Basin, Argentina. AAPG Bulletin, v. 82, n. 4, p. 596-636
	Formation Names	Galeazzi, J. S., 1998. Structural and Stratigraphic Evolution of the Western Malvinas Basin, Argentina. AAPG Bulletin, v. 82, n. 4, p. 596-636
	W-E Transects (6 columns)	Galeazzi, J. S., 1998. Structural and Stratigraphic Evolution of the Western Malvinas Basin, Argentina. AAPG Bulletin, v. 82, n. 4, p. 596-636
	N-S Transects (5 columns)	Galeazzi, J. S., 1998. Structural and Stratigraphic Evolution of the Western Malvinas Basin, Argentina. AAPG Bulletin, v. 82, n. 4, p. 596-636
	Wells (12 columns)	Galeazzi, J. S., 1998. Structural and Stratigraphic Evolution of the Western Malvinas Basin, Argentina. AAPG Bulletin, v. 82, n. 4, p. 596-636