

CURRICULUM VITAE

Professor Dr. Claudio Fabian Szlafsztain
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1 PERSONAL DATA

Name: CLAUDIO FABIAN SZLAFSZTEIN
 Parents: JULIO SZLAFSZTEIN and GLORIA ERLICH
 Birth date: 19/09/1966, Buenos Aires - Argentina.
 Identity Numer V180013-L
 Residential address: Jeronimo Pimentel 426 (2102)
 Belém, Pará, Brazil
 Telephone: +55-91-2303915
 Fax: +55-91-2303915
 E-mail: cszlafsztain@hotmail.com
 Office Address: Federal University of Pará
 Center of Geoscience
 Department of Geology
 Campus Universitario do Guamá, Caixa Postal 1611
 66. 075-110, Belém, Pará, Brazil.
 Phone: + 55-91-3183-1426
 iosele@ufpa.br

2. EDUCATIONAL EXPERIENCE

- 2005 Post graduation Course “Vulnerability Associated to Climatic Change and Variability”
 Inter American Institute for Global Change Research (IAI)
Vulnerability Associated to teh climatic change and Variability in Brazil.
 Advisor: Prof. Dr. Luis Jose Mata.
 Scholarship: Inter American Institute for Global Change Research (IAI)
- 2000-2003 Doctor in Natural Science (Geography)
 Institute of Geography, University Christian-Albrecht of Kiel, Germany
Vulnerability and response measures to natural hazards and sea level rise impacts: Long term coastal management, NE of the State of Pará, Brazil.
 Advisor: Prof Dr. Horst Sterr
- 1993-1995 Master in Environmental Earth Science.
 Graduate School of Environmental Earth Sciences, University of Hokkaido, Sapporo, Japan.
An analysis of the vulnerability of the city of Buenos Aires to natural disasters.
 Advisor: Prof. Dr. Etsuo Yamamura.
 Scholarship: Monbukagakusho Scholarship program (Japan)
- 1985-1991 Bachelor in Geological Sciences.
 Department of Geology, University of Buenos Aires, Buenos Aires, Argentina.
Neotectonics in Sierra Chica (Cordoba, Argentina)
 Advisor: Prof. Dr. Armando Massabie.

3 PROFESSIONAL ACTIVITIES

3.1 Academic Area

- 1998 – Present Professor - Federal University of Pará
 - Center of Human Sciences, Postgraduate Course of Geography.
 - Center of Geosciences, Department of Geology.

- 2004 - Present Head of the Laboratory of Computation Applied to Geosciences, Department of Geology, Federal University of Pará.
- 1998 - 2001 Head of the Laboratory of Remote Sensing, Department of Geology, Federal University of Pará.
- 1996 - 1997 Visiting Professor
Federal University of Pará, Center of Geosciences, Department of Geology.

3.2. Research Projects

a) Coordinator

- 2006-2007 *Successful adaptation practice in front of hydro-meteorological events associated to the climatic changes and variability in Latin America and the Caribbean.*
Inter American Institute for Global Change Research (IAI)/ National Science Foundation (NSF).
- 2003 – 2004 *The insurance system against the natural catastrophes in Brazil: the Fundo Nacional contra Calamidades Publicas (National Fund), FUNCAP.*
Fundación MAPFRE – Brazil.
- 2001 *Teaching updating of “engineering geology” in the Department of Geology.*
PROINT (UFPa).
- 2000 *3D Visualization of natural Landscapes as a teaching tool.*
PROINT (UFPa).
- 1999 *New concepts for the management of the Laboratory of remote sensing of the Department of Geology.*
PROINT (UFPa).

b) Research Fellow

- 2004 – present *Potential Impacts of Oil Spill in the Coastal Amazon Area (PIATAM).*
National Council of Science and Reserch (CNPq) - Petrobras (Brazilian Oil Company).
- 2002 – 2005 *Institute of Millennium - Nucleus of Coastal Studies (NEC).*
National Council of Science and Reserch (CNPq).
- 1999- 2005 *Project MADAM (Mangrove Dynamics and Management).*
International Cooperation CNPq-UFPa and BMBf – ZMT (Germany).
- 2001 *Evaluation of space impacts of the urban administration in the decade of 90 in the metropolitan area of Belém.*
PROINT (UFPa). 2001

3.3 Consulting

- *Consultant of the Geological Service of Brazil (CPRM) in Geomorphology and regional planning.*

- 2000-2002 Economic and Ecological Zoning (ZEE) of the State of Roraima (Brazil).
- 1999 Economic and Ecological Zoning (ZEE) of the border area Brazil - Perú.
Economic and Ecological Zoning (ZEE) of the border area Brazil - Bolivia
- 1998 Economic and Ecological Zoning (ZEE) of the border area Brazil – Colombia (axis Letícia - Apaporis).
- 1997 Economic and Ecological zoning (ZEE) of the border area Brazil –Venezuela (Vila Pacaraima - Santa Elena of Uairen).

Consultant of the Tecnosolo S.A (Rio de Janeiro) in geomorphology

- 1998 Economic and Ecological Zoning (ZEE) of the state of Rondônia (Brazil)

4. LANGUAGES ABILITY

English, Spanish, Portuguese, Japanese

5 PRIZES AND TITLES

- 2004 *International Prize of Environmental Creation*
International Institute of Environmental Creation (Japan)
- 1999 *Men of the Year 1998*,
International Biographical Centers (England).
- 1997 *Declaration of Illustrious Citizen of the City of San Pedro Sula*,
Municipal Corporation of the City of San Pedro Sula. Honduras
- 1992 *Graduation with Honor and Merit, University of Exact and Natural sciences* -
University of Buenos Aires (Argentina).
ROTARY CLUB – Best Graduate of University Students of 1991
Rotary Club of the City of Buenos Aires.

6. MEMBER OF ASSOCIATIONS

- a) International Journal of Environmental Creation
Member of the Editorial Board (South American Editor). Sapporo, Japan.
- b) Alumni Association in Japan – State of Pará (Brazil). President.
- c) Alumni Association in Germany - State of Pará (Brazil). Member
- d) Alumni Association of the University of Kiel (Germany). Member
- e) Brazilian Association of Geology of Engineering and environment (ABGE).
- f) American Biographical Institute (North Carolina, USA)
- g) National Geographic Society (USA).
- h) Argentinean Association of Geology of Engineering and environment (ASAGAI).
- i) International Association of Engineering Geology and Environment (IAEG).

7. PUBLICATIONS

7.1 Book Chapter

1. Szlafsztein, C., **Urban regulations and climate change in low lying coastal zones: a case study of the Amazon region, Brazil**. Integrated Coastal Zone Management (ICZM) – Present Global Scenario. Krishnamoorthy, R & Kannen, A. (Eds.). Wiley International (in press). 2006
2. SZLAFSZTEIN, Claudio Fabian; PEREIRA, Luci Cajueiro Carneiro; PROST, Catherine; GREGORIO, Aderson Manoel; NUNES, Karla Bittencourt; FIGUEIRA, Zanandrea Ramos. Capitulo 4 – Grupo Socioeconomia. In: SOUZA FILHO, Pedro Walfir M.; CUNHA, Edson Ricardo da; SALES, Maria Emilia da Cruz; SOUZA, Luiz Fernando; COSTA, Francisco Ribeiro da. (Org.). **Bibliografia da Zona Costeira Amazônica Brasil**. Belem, 2005, p. 221-260.
3. SZLAFSZTEIN, Claudio Fabian. Coastal management on the State of Pará and the MADAM project research. In: Lieberei, R., Bianchi, H-K, Boehm, V., Reisdorff, C. (Org.). **Neotropical Ecosystems**. Hamburgo, 2002, p. 837-843.

7.2 In Symposium and Congress

1. SZLAFSZTEIN, C., 2006 Análisis de las coberturas aseguradoras públicas contra desastres naturales en algunos países de América Latina. IV Encuentro RUPSUR, Cali. Colombia: 1-19.
2. SZLAFSZTEIN, C. F, 2005. *Climate Change Policy: Case Studies of Adaptation from the coastal zone of the Amazon region, Brazil* 6th Open Meeting of the Human Dimensions of Global Environmental Change, Bonn: 397-398.
3. SZLAFSZTEIN, C. F. & STERR, H., 2005. *Vulnerability Assessment to Coastal Natural Hazards in Amazon Region (Brazil) using GIS*. LOICZ II Inaugural Open Science Meeting, Egmond am Zee.
4. SZLAFSZTEIN, C. F. 2005. *Climate Change, sea-level rise and Coastal Natural Hazards: A GIS-Based Vulnerability Assessment, State of Pará, Brazil*. International Workshop on Climate Change And Human Security, Oslo. 1-31.

5. SZLAFSZTEIN, C. F. 2004. *Elementos de gerenciamento da zona costeira do Estado do Pará: as situações de emergência entre os anos 1992-2004*. ECOLAB - ECOSISTEMAS COSTEIROS AMAZONICOS, Caiena. Caderno de resumos. v. 1, p. 72-73.
6. REIMÃO, A; CARDOSO, A; VIDAL, A; SZLAFSZTEIN, C; LIMA, J; MATA, R; TRINDADE JUNIOR, S; LIMA, S; SANTOS, V; GOMES, V. 2004. *Planos Diretores Municipais, Pacto Territorial e impactos a jusante da UHE Tucuruí: o desafio do caso do Baixo Tocantins*. I Encontro Ciências Sociais E Barragens, Rio de Janeiro.
7. LARA, R., COHEN, M., SZLAFSZTEIN, C. F., 2003. *Synoptic analysis of surface structures in tropical coastal wetlands: a case study in Amazônia, north Brazil*. Proceedings of the X Latin-American Congress of Marine Sciences, San Jose de Costa Rica.
8. SZLAFSZTEIN, C. F., 2003. *O papel dos Manguezais no planejamento regional da Costa NE do Estado do Pará, Brasil*. Proceedings of the International Symposium Mangrove 2003. Salvador: v.1. p.285.
9. SZLAFSZTEIN, C. F., LARA, R., 2003. *Sea level rise in North Brazil: Impacts and response measures for coastal protection*. Proceeding of the 13° Biennial Coastal Zone Conference. Charleston, SC, USA: NOAA Coastal Services Center.
10. SZLAFSZTEIN, C; and LARA, R., 2002. *Sea level rise and coastal land use in north Brazil: legal aspects*. Proceedings of the International symposium Low-lying coastal areas – hydrology and integrated coastal zone management. Bremerhaven, Germany. P. 353-360.
11. SZLAFSZTEIN, C., 2002. *Vulnerabilidade natural da costa NE do estado do Pará*. V Seminário regionalizado do GERCO no setor costa atlântica do salgado paraense. Bragança.
12. SZLAFSZTEIN, C., 2001 *O sistema de Seguros no Brasil e a mitigação de impactos de fenômenos naturais*. Anais do VII Simpósio de Geologia da Amazônia, Novembro, Belém.
13. SZLAFSZTEIN, C, FELIPE, L, and KARDECK, A., 2001. *Planejamento de atividades mineiras utilizando GIS*. Anais do 4° Simpósio Brasileiro de Cartografia Digital, Brasília.
14. SZLAFSZTEIN, C, 2001. *Estudo sobre medidas de resposta ante a erosão na costa paraense – projeto MADAM*. Seminário Internacional Ciência e educação superior na Amazônia: Experiências de conservação e desenvolvimento em zonas costeiras do litoral amazônico. Núcleo de Altos Estudos Amazônicos (UFPa), Museu Paraense Emilio Goeldi e Associação das Universidades da Amazônia.
15. COHEN, M, LARA, R, SZLAFSZTEIN, C, and DITTMAR, T., 2000. *Analysis of Mangrove inundation by GIS Techniques*. In: Anais do MANGROVE 2000, Recife.
16. OLIVEIRA, R, SZLAFSZTEIN, C, and IMBIRIBA JUNIOR, M., 2000. *Caracterização das Bacias Hidrográficas do Distrito Administrativo de Icoaraci (DAICO), Município de Belém (PA) e dos problemas ambientais associados com o auxílio de Geoprocessamento*. In: Anais do V Congresso de Usuários de Geoprocessamento GISBRASIL 2000, Salvador.
17. OLIVEIRA, R, IMBIRIBA JUNIOR, M, and SZLAFSZTEIN, C., 2000. *Avaliação dos problemas ambientais em bacias hidrográficas da zona de expansão urbana do Município de Belém (PA) com auxílio de sistemas de informação geográficas (SIG)*. In: Anais of Congresso Brasileiro de Meio Ambiente. Fortaleza.
18. SZLAFSZTEIN, C., 2000. *Coastal management on the state of Pará (Brazil) and the MADAM Project Research*. In: Proceedings of the German-Brazilian Workshop- applied research on Tropical ecosystems Hamburg.
19. SZLAFSZTEIN, C, and OLIVEIRA, R, 1999. *Sistemas de Informação Geográfica como subsidio para estudos geotécnicos e hidrogeologicos - Região Metropolitana de Belém*.

- In: Anais do IV Congresso de Usuários de Geoprocessamento - GISBRASIL 99, Salvador.
20. OLIVEIRA, R, and SZLAFSZTEIN, C. 1999. Estudo da geotecnia e dos recursos hídricos da região metropolitana de Belém (PA) com o auxílio de cartografias temáticas digitais. In: Anais do IX Simpósio de Geologia da Amazônia, Manaus. v.1. p.223-226.
 21. KRAUSE, G, KOCH, B, and SZLAFSZTEIN, C. 1999. MAIS as a tool for integration in MADAM. In: Proceeding of 5th International Conference of MADAM Project, Belém.
 22. COHEN, M, LARA, R, SZLAFSZTEIN, C, and DITTMAR, T. 1999. Mangrove Inundation affecting the phosphate concentration in the tidal creek waters. In: Proceeding of 5th International Conference of MADAM Project, Belém.
 23. SZLAFSZTEIN, C, and CORRÊA, R. 1999. Perigos naturais: vulnerabilidade e embasamento legal no Município de Belém (Estado do Pará). In: Proceedings of IX simpósio de Geologia da Amazônia, Manaus. V.1:199-202.
 24. SZLAFSZTEIN, C. 1997. Inundaciones en la Ciudad de Buenos Aires y los Grupos vulnerables de Población. In: Anales del I Seminario Centroamericano sobre el manejo de Cuencas Hidrográficas en la prevención de Desastres naturales. San Pedro Sula, Honduras.
 25. KRAUSE, G, KOCH, B, and SZLAFSZTEIN, C. 1998. GIS - Application in the MADAM Project (Northeast Brazil). In: Proceedings GISPLANET'98, 1998, Lisboa.
 26. SZLAFSZTEIN, C, and FONSECA, R. 1998. Base de dados de acidentes naturais no Estado do Pará (1985-1995). In: Anais do XL Congresso Brasileiro de Geologia. Belo Horizonte. P.207.
 27. SZLAFSZTEIN, C, and LIMA, J. 1996. Planejamento de infra-estrutura utilizando SIG para a Cidade de Belém (estado do Pará). In: Anais do II congresso de Usuários de Geoprocessamento - GISBRASIL'96. Curitiba: p.72-78.
 28. SZLAFSZTEIN, C. 1996. Geofísica aplicada ao meio ambiente: necessidade da integração. In: Anais do I Workshop de Geofísica aplicada ao meio ambiente Belém. p.40-42.
 29. SZLAFSZTEIN, C. 1992. La temática ambiental y la geología en la República Argentina. In: Proceedings II Latin American Symposium of Urban Geological Risks. Pereira (Colombia). v.1. P. 409-414.
 30. SZLAFSZTEIN, C, MASSABIE, A, and VALENCIO, D., 1992. Riesgo geológico urbano: Fallamiento neotectónico en la Ciudad de Villa Carlos Paz, Córdoba, Argentina. In: Proceedings II Latin American Symposium on Urban Geological Risks. Pereira (Colombia), V.1. p.414-424.

7.1.3 Articles in Journals

1. SZLAFSZTEIN, C. F., STERR, H., LARA, R. *Protection strategies and measures against natural disasters in the coastal zone of the Amazonian area, Brazil*, Terra Livre: 1-11, Sao Paulo, 2006.
2. SZLAFSZTEIN, C. F., *The role of the mangroves in the regional planning, coast NE of the State of Pará, Brazil*. International Journal of Environmental Creation. 2004. Sapporo, Vol 4 (2): 1-10.
3. COHEN M; LARA R; SZLAFSZTEIN, C, and DITTMAR T., 2004. *Mangrove inundation and nutrient dynamics from a GIS perspective. Wetlands ecology and management*, The Netherlands: v.12, p.81 - 86, 2004.
4. SZLAFSZTEIN, C. F. 2003. *Vulnerability and response measures to natural hazard and sea level rise impacts: long-term coastal zone management, NE of the State of Pará, Brazil*. ZMT - Contributions, University of Bremen, v. 17, p. 1-192, 2003.
5. LARA, R, SZLAFSZTEIN, C, COHEN, M, BERGER, U, and GLASER, M., 2002. *Consequences of Mangrove Dynamics for private land use in Bragança, north Brazil: a case study*. Journal of Coastal Conservation. v.8, p.97 - 102.
6. COHEN M; LARA R; SZLAFSZTEIN, C, and DITTMAR T., 2001. *Digital elevation*

- models as a GIS tool for the analysis of mangrove coasts. Amazon Region, Brazil*
Journal of International Environmental Creation, Sapporo, 1 (3), 12-19
7. SZLAFSZTEIN, C, LARA, R, and COHEN, M., 2000. *Coastal management: some studies of the past and present of the Bragança region (Pará, Brazil). The MADAM project.* Journal of International Environmental Creation, Sapporo, 2 (2), 1-9,
 8. LARA, R, COHEN, M, SZLAFSZTEIN, C, and BERGER, U., 1999. *Changes in the mangrove vegetation coverage (Pará, Brazil) as evaluated by remote sensing and GIS techniques.* Journal of Marine Systems, Amsterdam, in press, 1999.
 9. SZLAFSZTEIN, C, and YAMAMURA, E., 1995. *An analysis of population vulnerability to natural Disaster in the city of Buenos Aires.* Proceedings of The Hokkaido Chapter of The Japan Society of Civil Engineering, Sapporo, Japan, v.51, p.434-439.
 10. SZLAFSZTEIN, C., 1995. *Analysis of the poverty-natural disaster relationship in the city of Buenos Aires (Argentina).* Journal of Natural Disaster Science, Kyoto, Japan, v.17, n.1, p.1-11.
 11. MASSABIE, A and SZLAFSZTEIN, C., 1991. *Condiciones geomecánicas y edad del fallamiento neotectónico en las sierras Pampeanas orientales.* Revista de La Asociación Argentina de Geología Aplicada a La Ingeniería, Buenos Aires, v.VI, p.154-162.