



Prof. Ana Maria CRUZ

Brief Biography of Prof. Ana Maria Cruz

Year	Month	Day	Education
1959	10	06	Born in Pereira, Colombia, 1959
1987	12	31	Chemical Engineering degree (5 year program), University of Valle, Cali, Colombia
1999	05	15	Master in Applied Development, Payson Center for International Development and Technology Transfer, Tulane University, New Orleans, United States.
2003	12	31	Ph.D. Environmental Engineering, Graduate School of Engineering, Tulane University

Professional Background

1987	06	15	Plant engineer, Lloreda Jabones, S.A., Cali, Colombia (1987-1989)
1990	01	01	Engineering consultant, National Federation of Metallurgic Industries (FEDEMETAL), Cali, Colombia (1990-1991)
1991	10	01	Plant manager, Metalurgica Mivasquez, Cali Colombia (1991-1994)
1994	10	01	Project coordinator and fund raiser, Biotech, University of Valle, Cali, Colombia (1994-1997)
1998	01	01	Research and teaching assistant, Dept. of Civil and Environmental Engineering, Tulane University, New Orleans, United States (1998-2003)
2003	09	01	Seconded Scientific Expert, United Nations (UN/ISDR) to the Joint Research Centre, EC, Ispra, Italy (Sept-Dec), (Sept-Dec)
2004	01	01	Postdoctoral fellow, Civil and Environmental Engineering, Tulane University, USA (Jan-July)
2004	08	01	Assistant Professor, University of North Texas, Emergency Administration and Planning Program, Denton, USA (Tenure track position) (2004-2006)
2004	11	23	JSPS Postdoctoral Fellow, Okada ken, DPRI, Kyoto University, Japan (2004-2006)
2006	04	01	Senior Scientific Officer, Joint Research Centre (JRC), European Commission, Ispra, Italy, (2006-2009).
2010	01	01	Editor, Editorial Manager, Journal for Integrated Disaster Risk Management (IDRiM Journal) (to present).
2009	04	01	Consultant for varios international organizations (e.g., JRC/EC, UNEP/OCHA, IAEA, IRGC), Bordeaux, France (2009-2013).
2010	01	01	Visiting Associate Professor, GCOE-ARS Program, DPRI, Kyoto University, Kyoto, Japan (Jan-Mar & Oct-Dec, 2010; Oct 2011-Jan, 2012; Oct 2012 – Jan 2013; 16 Nov-15 Dec 2013).
2013	09	01	Associate Research Professor, IUT, Hygiene, Security and Environment Department, University of Bordeaux, Bordeaux, France (until April 30, 2014)
2014	05	01	Professor, Disaster Risk Management Laboratory, Kyoto University, Japan (2014-2025)
2025	04	01	Professor Emeritus, Kyoto University, Japan

Academic and Committee Service

President, International Society for Integrated Disaster Risk Management (IDRiM Society) (April 2020 - March 2026)

Member, Board of Directors, IDRIIM Society, (since 2009 to present)

Member, United Nations, Science and Technology Advisory Group (STAG), subworking group on Natech (2017-2020)

Member of the Evaluation Committee, International Institute of Applied Systems Analysis (IIASA) (2015-2016)

Member, Environmental Emergencies Forum, United Nations, Joint OCHA/UNEP Environment Unit (2015)

Editor, Journal of Loss Prevention in the Process Industries (active)

Editor In-Chief, IDRIIM Journal (active)

Prof Ana Maria CRUZ

List of Publications

Journal publications (Peer reviewed) (Note: * denotes corresponding author)

1. Aliperti, G., and A. M. Cruz (2025). A framework for collaborative governance in tourism destinations exposed to sea level rise hazards. The case of Zurriola Beach in the Basque Country. *Asia Pacific Journal of Tourism Research*, 1–23. <https://doi.org/10.1080/10941665.2025.2516591>
2. Cruz, A. M. (2025). Migration and Settlement Challenges Due to Climate Change and Disasters. 自然災害科学 J. JSNDS 44-1 1-4 (2025) (In Japanese) Journal of Japan Society for Natural Disaster Science, 44 (1): 1-4.
3. Suárez-Paba, M., Luo, X., Tzioutzios, D., & Cruz, A. M. (2025). Natech Risk Governance Initiatives and Way Forward. *Oxford Research Encyclopedia of Natural Hazard Science*. <https://oxfordre.com/naturalhazardscience/view/10.1093/acrefore/9780199389407.001.0001/acrefore-9780199389407-e-530>
4. Lam, C.Y., and Cruz, A.M. (2025). An information network analysis approach to assessing the processes of issuing evacuation instructions: A study of evacuation cases in Japan. *Journal of Risk Research*. DOI: 10.1080/13669877.2025.2466537
5. Lam, C.Y., Cruz, A.M., and Fujiwara, A. (2025). Optimizing travel route for medical services during evacuation: A network and shared mobility perspective. *Progress in Disaster Research*. DOI: 10.1016/j.pdisas.2025.100407
6. Luo, X., Tzioutzios, D., Suarez-Paba, M., & Cruz, A. M. (2024). Climate Change Impacts on Natech Risk. *Oxford Research Encyclopedia of Natural Hazard Science*. December 11: pp 19. <https://doi.org/10.1093/acrefore/9780199389407.013.531>
7. Dimitrios Tzioutzios, Su Song, Hamilton Bean, Ilan Chabay, and Ana Maria Cruz (2024). Serious gaming for Natech Risk Awareness: Introducing EGNARIA. *International Journal of Disaster Risk Reduction*, 115: 105080. <https://doi.org/10.1016/j.ijdr.2024.105080>
8. Lina Maria Parra-Orduz and Ana Maria Cruz* (2024). Accident survey of Natech events on oil and gas transmission pipelines in Colombia. *Journal Risk Research*, In press, DOI: 10.1080/13669877.2024.2431891
9. Namulun Borjigin, Ana Maria Cruz*, Lina Parra Orduz (2024). Understanding Managers' Motivation in Adopting Protective Measures: Preventing Supply Chain Disruptions from Flood-related Natechs. *International Journal of Disaster Risk Reduction*, 104985, ISSN 2212-4209. <https://doi.org/10.1016/j.ijdr.2024.104985>.
10. Tzioutzios , D. , Suarez-Paba , M. C., Luo , X. , & Cruz , A. M. (2024). Natech Risk Communication. In *Oxford Research Encyclopedia of Natural Hazard Science* . November 20. <https://doi.org/10.1093/acrefore/9780199389407.013.529>
11. Sun, Fengyi, Ana Maria Cruz*, Lina Maria Parra (2024). Development of a Natech Social Vulnerability Index: A Comprehensive Multi-Hazard Risk Assessment for a Case Study in Colombia. *IDRiM Journal*, 14 (2).
12. C.Y. Lam, A.M. Cruz (2024). Topological network and fuzzy AHP modeling framework for the suitability analysis of evacuation shelters: A case study in Japan. *International Journal of Disaster Risk Reduction*, 111: 104696, ISSN 2212-4209, <https://doi.org/10.1016/j.ijdr.2024.104696>.
13. Ashida, R., D. Tzioutzios and A.M. Cruz* (2024). The impact of subjective well-being on risk perception and disaster preparedness actions: A survey of the Kinki region, Japan, through structural equation modelling, *International Journal of Disaster Risk Reduction* (2024), 110: 104595, <https://doi.org/10.1016/j.ijdr.2024.104595>.
14. 日笠 優希実 Yukimi HIKASA, 佐藤 ゆかり Yukari SATO, 齋藤 美絵子 Mieko SAITO, 大津 暢人 Nobuhito OHTSU, 荒木 裕子 Yuko ARAKI, 北後 明彦 Akihiko HOKUGO, アナ マリア クルーズ Ana Maria CRUZ,

- 風早 由佳 Yuka KAZAHAYA , 大山 剛史 Takashi OYAMA , 齋藤 誠二 Seiji SAITO 綾部 誠也 Makoto AYABE (2023). 災害時要配慮高齢者における時系列に沿った避難意思の類型化と避難行動の実態 (En: The typology of chronological developments in evacuation intention among vulnerable people during disasters and actual evacuation behavior). *Gerontological Social Science (Japan Society for Gerontological Social Science)*, 45 (4). http://184.73.219.23/rounenshakai/5kikansi/kikansi_top/kikanssi_top.htm
15. Hamilton Bean, Kensuke Takenouchi, Ana Maria Cruz (2023) Combining Probabilistic Hazard Information Forecast Graphics with Wireless Emergency Alert Messages: An Exploratory, Qualitative Study. *Weather, Climate and Society*, 15 (4): 843–861.
 16. Ohtsu, N., Hokugo, A., Cruz, A.M., Sato, Y., Araki, Y. and Park, H. (2023), Evacuation of vulnerable people during a Natech: a case study of a flood and factory explosion in Japan. *International Journal of Disaster Resilience in the Built Environment*, 14 (1): 53-67. <https://doi.org/10.1108/IJDRBE-04-2021-0043>
 17. Bonjun Koo, Seong-Cheol Kang, Throstur Thorsteinsson, Ana Maria Cruz* (2023). Air pollution awareness and risk perception in ger areas of Ulaanbaatar. *International Journal of Environment and Pollution*. 71(3/4):240-261. DOI: [10.1504/IJEP.2022.10058336](https://doi.org/10.1504/IJEP.2022.10058336)
 18. Fatma Lestari, Dina Lusiana Setyowati, Adonis Muzanni, Abdul Kadir, Isradi Zainal, James Evert Adolf Iku, Anisa Kusumadewi Zulfikar, IinPratama Sari, Widya Mulia, Lina Yuliana, Iwan Zulfikar, Komeyni Rusba, Irma Nurmayanti, Ira Tri Susanti, Citra Sakina, Herti Ayu Yusvalina, AndrioAdiwibowo, Noor Aulia Ramadhan, Saraswati Andani, Wulan Kusuma Wardani, Noer Kholis, Eka Pradipta, Ana Maria Cruz (2023) Industrial and Environmental Disaster Risk Assessment for Hazardous Materials in Balikpapan City, East Kalimantan, Indonesia. *Sustainability*, 15(12): 9430. <https://doi.org/10.3390/su15129430>
 19. Su Song, Weizhuo Hua, Xiaolong Luo, Ana Maria Cruz (2023) Methodology for assessing pipeline failure probability due to a debris flow in the near field. *Heliyon*, 9(5): E15956, <https://doi.org/10.1016/j.heliyon.2023.e15956>
 20. 大津暢人, 北後明彦, 荒木裕子, 佐藤ゆかり, アナ マリア クルーズ, 朴ヘジョン (2022) 浸水とそれに伴う水蒸気爆発による複合災害における自主防災組織等による災害時要援護者の避難支援 (English title: Evacuation support of vulnerable people from a complex disaster consisting of inundation and a factory explosion). Japan Association for Fire Science and Technology (in Japanese), December Issue (2022).
 21. Tzioutzios, D., Kim, JN. & Cruz, A.M.* (2022) Appetite for Natech Risk Information in Japan: Understanding Citizens' Communicative Behavior Towards Risk Information Disclosure Around Osaka Bay. *International Journal of Disaster Risk Science*, **13**, 372–390. <https://doi.org/10.1007/s13753-022-00415-4>
 22. Xiaolong Luo, Dimitrios Tzioutzios, Zhijun Tong*, Ana Maria Cruz (2022). Find-Natech: A GIS-based spatial management system for Natech events. *International Journal of Disaster Risk Reduction*, 76: 103028, ISSN 2212-4209, <https://doi.org/10.1016/j.ijdr.2022.103028>
 23. Park, Hyejeong and Cruz, Ana Maria* (2022). Insights on chemical and Natech risk management in Japan and South Korea: A review of current practices. *International Journal of Disaster Risk Science*, **13**: 359–371 <https://doi.org/10.1007/s13753-022-00409-2>
 24. Bean, Hamilton*; Cruz, Ana Maria; Shimizu, Mika; Stephens, Keri K.; McGlone, Matthew; and Strover, Sharon (2021). Mobile Alert and Warning in the United States and Japan: Confronting the Challenges of International Harmonization. *Int J Disaster Risk Sci*, 12: 928–934. <https://doi.org/10.1007/s13753-021-00380-4>
 25. Ning, Li X.; Chang X. Cheng*, Ana M. Cruz, Emmanuel Garnier (2021), Exploring of the spatially varying completeness of a tsunami catalogue. *Natural Hazards*, Online First. <https://doi.org/10.1007/s11069-021-05049-1>
 26. Misuri, Alessio, Ana Maria Cruz*, Hyejeong Park, Emmanuel Garnier, Nobuhito Ohtsu, Akihiko Hokugo, Isamu Fujita, Shin-Ichi Aoki, Valerio Cozzani (2021) Technological accidents caused by floods: the case of the Saga prefecture oil spill, Japan 2019. *International Journal of Disaster Risk Reduction*. 66, December: 102634, <https://doi.org/10.1016/j.ijdr.2021.102634>.
 27. Tzioutzios, Dimitrios and Ana Maria Cruz* (2021) Sociodemographic Influences on Public Interest in Natech Risk Information: Insights from Japan and S. Korea, *IDRiM Journal*, 11 (1): 83-107. <https://doi.org/10.5595/001c.29065>

28. Raza, Waqas Ahmed and Ana Maria Cruz* (2021) Understanding Households' Perceptions Regarding the Effect of a Natech Accident on Residential Property Values: The Case of Ichihara City. *IDRiM Journal*, 11 (1): 131-153, <https://doi.org/10.5595/001c.30768>
29. Suarez-Paba, Maria Camila and Ana Maria Cruz* (2021). A paradigm shift in Natech risk management: Development of a rating system framework for evaluating the performance of industry. *Journal of Loss Prevention in the Process Industries*, 74: 104615, ISSN 0950-4230, <https://doi.org/10.1016/j.jlpr.2021.104615>
30. Luo, Xiaolong and Ana Maria Cruz*, Dimitrios Tzioutzios (2021). Climate change and temporal-spatial variation of tropical storm-related Natechs in the United States from 1990 to 2017: Is there a link? *International Journal of Disaster Risk Reduction*, 62: 102366, ISSN 2212-4209, <https://doi.org/10.1016/j.ijdrr.2021.102366>.
31. Lam, C.Y., K. Tai, A.M. Cruz (2021). Topological network and GIS approach to modeling earthquake risk of infrastructure systems: A case study in Japan. *Applied Geography*, 127 (February): 102392. <https://doi.org/10.1016/j.apgeog.2021.102392>.
32. Krausmann, E. and Cruz, A.M. (2021) Natech risk management in Japan after Fukushima – What have we learned? *Loss Prevention Bulletin*, 277 (February): 10-14. <https://www.icheme.org/media/15301/krausmannnew.pdf>
33. Araki, Y.; Hokugo, A.; Pinheiro, Abel Tãiti Konno; Ohtsu, N.; Cruz, A.M. (2021) Explosion at an aluminum factory caused by the July 2018 Japan floods: Investigation of damages and evacuation activities, *Journal of Loss Prevention in the Process Industries*, Volume 69, March: 104352, <https://doi.org/10.1016/j.jlpr.2020.104352>
34. Lemiale, V., Prakash, M. & Cruz, A.M. (2020). Data-Driven Approaches to Integrated Disaster Risk Management. *Int J Disaster Risk Sci* 11, 693–695 (2020). <https://doi.org/10.1007/s13753-020-00324-4>
35. Aliperti, G., & Cruz, A. M. (2020). From Epidemics to Pandemic: Tips from the Past. *Almatourism - Journal of Tourism, Culture and Territorial Development*, 11(22), 1–17. <https://doi.org/10.6092/issn.2036-5195/11491>
36. Luo, Xiaolong; Ana Maria Cruz*; Dimitrios Tzioutzios (2020). Extracting Natech Reports from Large Databases: Development of a Semi-Intelligent Natech Identification Framework. *International Journal of Disaster Risk Science*, 11 (6): 735-750. <https://doi.org/10.1007/s13753-020-00314-6>
37. Di, Baofeng, Jierui Li, Miranda Dandoulaki, Ana Maria Cruz, Ruixin Zhang and Zhipan Niu (2020). Household recovery strategies in Longmen Mountain area, Sichuan, China, following the 2008 Wenchuan earthquake disaster. *Natural Hazards*, 104: 123–137. <https://doi.org/10.1007/s11069-020-04287-z>
38. Aliperti, G., and Cruz, Ana Maria (2020). Promoting built-for-disaster-purpose mobile applications: An interdisciplinary literature review to increase their penetration rate among tourists (Article). *Journal of Hospitality and Tourism Management*, 44, September: 193-210.
39. Suarez-Paba, Maria Camila, Ana Maria Cruz*, and Felipe Muñoz (2020) Emerging Natech risk management in Colombia: A survey of governmental organizations. *Safety Science*, 128: 104777 <https://doi.org/10.1016/j.ssci.2020.104777>
40. Koo, Bonjun, Jong-Il Na, Throstur Thorsteinsson, and Ana Maria Cruz* (2020) Participatory Approach to Gap Analysis between Policy and Practice Regarding Air Pollution in Ger Areas of Ulaanbaatar, Mongolia. *Sustainability*, 12, 3309. <https://doi.org/10.3390/su12083309>
41. Giuseppe Aliperti, Hayato Nagai, Ana Maria Cruz (2020). Communicating risk to tourists: A mental models approach to identifying gaps and misperceptions. *Tourism Management Perspectives*, 33: 100615 (ISSN 2211-9736), <https://doi.org/10.1016/j.tmp.2019.100615>.
42. Aliperti, Giuseppe and Cruz, Ana Maria (2019). Investigating tourists' risk information processing. *Annals of Tourism Research*. 79, 102803, 2019.
43. Hamidzada, Marina; Ana Maria Cruz*; and Muneta Yokomatsu (2019) Vulnerability Factors of Afghan Rural Women to Disasters. *International Journal of Disaster Risk Science*, 10 (4): 573-590. <https://doi.org/10.1007/s13753-019-00227-z>
44. Cruz, Ana Maria*; and Suarez-Paba, MC (2019) Advances in Natech Research: An Overview. *Progress in Disaster Science*, 1 (2019) 100013. <http://dx.doi.org/10.1016/j.pdisas.2019.100013>
45. Suarez-Paba, MC; Perreur, M.; Munoz, F.; and Cruz, Ana Maria* (2019) Systematic literature review and qualitative meta-analysis of Natech research in the past four decades. *Safety Science*., 116: 58-77. <https://doi.org/10.1016/j.ssci.2019.02.033>

46. Lam, C.Y., and [Cruz, Ana Maria](#) (2019). Risk analysis for consumer-level utility gas and liquefied petroleum gas incidents using probabilistic network modeling: A case study of gas incidents in Japan. *Reliability Engineering and System Safety*, **185** (May): 198–212. <https://doi.org/10.1016/j.res.2018.12.008>
47. Kabir, Golam; Haruki Suda; [Cruz, Ana Maria](#); Felipe Munoz Giraldo; Solomon Tesfamariam (2018). Earthquake-related technological disasters: Risk assessment using a Bayesian belief network model. *Structure and Infrastructure Engineering Journal*. **15** (6): 725-739. DOI: [10.1080/15732479.2019.1569070](https://doi.org/10.1080/15732479.2019.1569070)
48. Aliperti, Giuseppe., & [Cruz, Ana Maria](#) (2018). Risk Communication to Tourists: Towards the Definition of a Research Agenda for a more Effective Disaster Preparedness in Japan. *Almatourism-Journal of Tourism, Culture and Territorial Development*, **9** (17): 1-12.
49. Chakraborty, Anirban, Ahmed Ibrahima, [Ana Maria Cruz](#) (2018) A study of accident investigation methodologies applied to Natech events during the 2011 Great East Japan earthquake. *Journal of Loss Prevention in the Process Industries*, **51**: 208–222.
50. Tardy, Alicja, Eric Piatyszek, Michel Lesbats, et [Ana Maria Cruz](#) (2017) La Prise en Compte de Risques Natech Inondation dans des Etudes de Dangers d'installations Industrielles Seveso. *Récents Progrès en Génie des Procédés, Numéro 110*: 151055-1-151055-10. <https://doi.org/10.1016/j.jlp.2018.01.003>
51. Collins, Andrew, Hirokazu Tatano, Wilma James, Chadia Wannous, Kaoru Takara, Virginia Murray, Charles Scawthorn, Jim Mori, Sarah Aziz, Khalid M. Mosalam, Stefan Hochrainer-Stigler, Irasema Alca'ntara-Ayala, Elisabeth Krausmann, Wei-Sen Li, [Ana Maria Cruz](#), Subhajyoti Samaddar, Tom De Groeve, Yuichi Ono, Kelvin Berryman, Koji Suzuki, Mark Ashley Parry, Peter McGowran, John G. Rees (2017). The 3rd Global Summit of Research Institutes for Disaster Risk Reduction: Expanding the Platform for Bridging Science and Policy Making. *International Journal of Disaster Risk Science*, June, **8** (2): 224–230. <https://doi.org/10.1007/s13753-017-0123-z>
52. Yu, J.; Cruz, Ana Maria; and A. Hokugo (2017). Households 'Risk Perception and Behavioral Responses to Natech accidents following the Great East Japan Earthquake and Tsunami. *Int J Disaster Risk Sci* (2017) **8** (1): 1–15. <https://doi.org/10.1007/s13753-017-0116-y>
53. Kato, Naomi and Cruz, Ana Maria (Guest editors) (2017). Special Issue on Risk from Natural Hazard Triggered Technological Disasters and its Reduction Measures. *Journal of Loss Prevention in the Process Industries*, **50** (Part B): 301-428.
54. Yu, J.; Cruz, Ana Maria; E. Piatyszek; M. Lesbats; A. Tardy; A. Hokugo; H. Tatano (2017). A survey of impact on industrial parks caused by the 2011 Great East Japan earthquake and tsunami. *Journal of Loss Prevention in the Process Industries*, **50** (Part B): 317-324. <http://dx.doi.org/10.1016/j.jlp.2017.01.020>
55. Cruz, Ana Maria* and E. Krausmann (2013). Vulnerability of the Oil and Gas Sector to Climate Change and Extreme Weather Events. Special Issue on “Climate Change, Extremes, and Energy Systems.” *Climate Change*, **121** (1): 41-53.
56. Kajitani, Y, Cruz, Ana Maria, H. Tatano, K. Nakano, J. Choi, and N. Yasuda (2013) Economic Impacts Caused by the Failure of Maritime Global Critical Infrastructure – A Case Study of Chemical Facility Explosions in the Straits of Malacca and Singapore. *Journal of Transportation Security*, **6** (4): 289-313. DOI 10.1007/s12198-013-0117-z.
57. Krausmann, E. and Cruz, A.M. (2013). Impact of the 11 March, 2011, Great East Japan earthquake and tsunami on the chemical industry. *Natural Hazards*, **67** (2): 811-828.
58. Cruz, Ana Maria* (2012) Challenges in Natech Risk Reduction - Desafios en la reducción de riesgos Natech. *Revista de Ingeniería*, **37**, Jul-Dec.
59. Sengul, H.; N. Santella; L. J. Steinberg; Cruz, Ana Maria (2012). Analysis of hazardous material releases due to natural hazards in the United States. *Disasters*. **36** (4): 723-743.
60. Cruz, Ana Maria*, E. Krausmann, G. Franchello (2011). Analysis of Tsunami Impact Scenarios to an Oil Refinery. *Natural Hazards*, **58** (1): 141-162.
61. Krausmann, E., Cruz, Ana Maria, and B. Affeltranger (2010). The impact of the 12 May 2008 Wenchuan earthquake on industrial facilities. *Journal of Loss Prevention in the Process Industries*, **23** (2). 242-248.
62. Cruz, Ana Maria*, and E. Krausmann (2009). Hazardous Materials Releases from the Offshore Oil and Natural Gas Facilities Following Hurricanes Katrina and Rita. *Journal of Loss Prevention in the Process Industries*, **22** (1), 59-65.

63. Cruz, Ana Maria* and E. Krausmann (2008). Damage to offshore oil and gas facilities following Hurricanes Katrina and Rita: An overview. *Journal of Loss Prevention in the Process Industries*, **21** (6), 620-626.
64. Cruz, Ana Maria* and N. Okada (2008). Methodology for Preliminary Assessment of Natech Risk in Urban Areas. *Natural Hazards*, **46** (2), 199-220.
65. Cruz, Ana Maria* and N. Okada (2008). Consideration of Natural Hazards in the Design and Risk Management of Chemical Industrial Facilities. *Natural Hazards*, **44** (2), 213-227.
66. Basolo, V., L. J. Steinberg, R. Burby, J. Levine, Cruz, Ana Maria, and C. Huang (2008). The Effects of Confidence in Government and Information on Perceived and Actual Preparedness for Disasters. *Environment and Behavior*, **41** (3), 338-364.
67. Krausmann, E. and Cruz, Ana Maria, Eds. (2008). Special Issue on Natech Disaster Management. Editorial (Based on paper submissions to a Natech session at the European Geosciences Union General Assembly Conference, Vienna, Austria, 3-7 April 2006. *Natural Hazards*, **46** (2), pp 139-264.
68. Steinberg, L. J., H. Sengul, and Cruz, Ana Maria (2008). Natech Risk and Management: An Assessment of the State of the Art. *Natural Hazards*, **46** (2), 143-152.
69. Cruz, Ana Maria, L. J. Steinberg, and A. L. Vetere-Arellano (2006). Emerging Issues for Natech Disaster Risk Management in Europe. *Journal of Risk Research*, **9** (5), 1-19.
70. Cruz, Ana Maria and L. J. Steinberg (2005). Industry Preparedness for Earthquakes and Earthquake-Triggered Hazmat Accidents during the Kocaeli Earthquake in 1999: A Survey. *Earthquake Spectra*, **21** (2), 285-303.
71. Steinberg, L. J., and Cruz, Ana Maria (2004). When natural and technological disasters collide: lessons from the Turkey earthquake of August 17, 1999. *Natural Hazards Review*, **5** (3): 121-130.
72. Steinberg, L. J.; V. Basolo, R. Burby, J. N. Levine, and Cruz, Ana Maria (2004). Joint Seismic and Technological Disasters: Possible Impacts and Community Preparedness in an Urban Setting. *Natural Hazards Review*, **5** (4): 159-169.
73. Cruz, Ana Maria, L. J. Steinberg, and R. Luna (2001). Identifying Hurricane-Induced Hazardous Materials Release Scenarios in a Petroleum Refinery. *Natural Hazards Review*, **2** (4): 203-210.

Peer Reviewed Books, Book Chapters and Peer-Reviewed Papers in Conference Proceedings

1. Cruz, A.M. (2025). "Understanding Natech Events and Consequences at Hazardous Facilities." In: Cozzani, V., Paolacci, F. (eds) *Management Strategies and Resilience Against NaTech Events*. CISM International Centre for Mechanical Sciences, Vol. 616. Springer, Cham. https://doi.org/10.1007/978-3-031-84485-0_1
2. Aliperti, G.; A. Alzua-Sorzabal, B. G. Omil, A. M. Cruz (2025) Cross-generational travel intentions: a study during the pandemic to foster a future research agenda. Chapter 13. Book chapter. In Cláudia Seabra and Maximiliano E. Korstanje (Eds.) *A Research Agenda for Tourism and Risk*. <https://doi.org/10.4337/9781035327003.00018>
3. Cruz, Ana Maria, and Elisabeth Krausmann. (2024). "Natech Hazards and Disasters." In *The Encyclopedia of Technological Hazards and Disasters in the Social Sciences*, edited by D.A. Gill, L.A. Ritchie, and N. Campbell. London: Edward Elgar Publishing: 765 p. (November 2024). <https://www.amazon.co.uk/Encyclopedia-Technological-Disasters-Sciences-Encyclopedias/dp/180088219X>
4. Bean H., Shimizu, M., & Cruz, A. M. (2023). Mobile instructional communication for public safety and community resilience. Chapter 20. In D. Sellnow & T. Sellnow (Eds.), *Communicating safety and risk* (pp. 339-358). Berlin: Mouton de Gruyter.
5. Hamidazada, M. and Cruz, A.M. (2023) "Disaster Vulnerability, Displacement and Resilient Livelihoods Among the Afghan Urban Women", Islam, M.R. (Ed.) *Disaster, Displacement and Resilient Livelihoods: Perspectives from South Asia (Diverse Perspectives on Creating a Fairer Society)*, Emerald Publishing Limited, Bingley, pp. 55-80. <https://doi.org/10.1108/978-1-80455-448-720231004>

6. Dimitrios Tzioutzios, Miranda Dandoulaki, Ana Maria Cruz (2022) Exploring How Citizens Communicate About Natech Risk Through a Comparative Study and a Serious Game. *Safe Thessaloniki 2022 Proceedings* | ISSN 2654-1823.
7. Nicola Tamascelli, Antonio Javier Nakhil Akel, Riccardo Patriarca, Nicola Paltrinieri and Ana Maria Cruz (2022). Are we going towards "no-brainer" risk management? A case study on climate hazards. Paper in Proceedings of the Probabilistic Safety Assessment and Management (PSAM16) Conference, Session T15 - Machine Learning II / Digital Transformation, Paper No. NI33, June 26-July 1, Honolulu, Hawaii.
8. Suarez-Paba, MC; Tzioutzios, D; Cruz, Ana Maria*; and Krausmann, E. (2020) Towards Natech Resilient Industries. Chapter 5. In Yokomatsu, M & Hochrainer-Stigler, S (Eds). *Disaster Risk Reduction and Resilience*. Volume 1. Global Alliance of Disaster Research Institutes (GADRI) Book Series. Springer Nature.
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12. Oscar J. Ramírez Olivar, Santiago Zuluaga Mayorga, Ana María Cruz, Jean Paul Pinelli, Ernesto Salzano, Felipe Muñoz Giraldo, Mauricio Sánchez-Silva (2018). Vulnerability and risk assessment analysis of Natech events caused by natural phenomena. Conference Paper, Chemical Engineers Symposium Series, 2018-May.
13. Krausmann, E; Cruz, Ana Maria and Salzano, E. (2017) *Natech Risk Assessment and Management: Reducing the Risk of Natural-Hazard Impact on Hazardous Installations*. Elsevier, November: 268p.
14. Krausmann, E.; Cruz, Ana Maria; Fendler, R.; Salzano, E. (2017) Technological Risk: Natechs. Chapter 3.14. Book chapter in: Poljanšek, K., Marin Ferrer, M., De Groeve, T., Clark, I., (Eds.), 2017. *Science for disaster risk management 2017: Knowing better and losing less*. EUR 28034 EN, Publications Office of the European Union, Luxembourg. ISBN 978-92-79-60678-6, doi:10.2788/688605, JRC102482.
15. Eric Piatyszek, Alicja Tardy, Michel Lesbats, Ana Maria Cruz (2017). Natech events triggered by floods: when floods cause technological accidents. *Floods Volume 1: Risk Knowledge* , Part 1, Chapter 5, 2017, Elsevier. <https://www.elsevier.com/books/floods/vinet/978-1-78548-268-7>
16. 畑山満則・矢守克也・Ana Maria CRUZ・林春男・横松宗太・大西正光・李フシン・岩堀卓弥 (2017) 巨大災害研究の現状と展望 (Present and Future Research in Disaster Reduction Systems). *Annuals of Disaster Prevention Research Institute, Kyoto University, No. 60A*, Kyoto, Japan: 171-180.
17. Aliperti, Giuseppe; Ana Maria Cruz; Francesco RIZZI; and Marco FREY (2017). Risk and Uncertainty: A Side-Effect of a Natech Event on Residents in Japan. *Annuals of Disaster Prevention Research Institute, Kyoto University, No. 60B*, Kyoto, Japan: 335-342.
18. Marina Hamidzada and Ana Maria Cruz (2017). Understanding Women's Vulnerability Factors to Natural Hazards in Afghanistan. *Annuals of Disaster Prevention Research Institute, Kyoto University, No. 60B*, Kyoto, Japan: 343-349.
19. 矢守克也・林春男・Ana Maria CRUZ・James GOLTZ・横松宗太・大西正光・李フシン (2016) 防災問題における資料解析研究 (Information Analysis in the Field of Natural Disaster Science). *Annuals of Disaster Prevention Research Institute, Kyoto University, No. 59A*, Kyoto, Japan: 98-108.
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21. Cruz, Ana Maria; Piatyszek, E.; Yu, J.; Hokugo, A.; C. El Hajj; Lesbats, M.; and Tardy, A. (2015). Contribution to the Systemic Modeling of Technical and Organizational Issues of a Territory Exposed to Natech Risk. *Paper*

- in *Proceedings of the 25th Ocean Engineering Symposium*, Japan Society of Naval Architects and Ocean Engineers (JASNAOE), Nippon University, Tokyo, 6-7 August.
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 23. Cruz, Ana Maria, Y. Kajitani, and H. Tatano (2014) Natech disaster risk reduction: Can integrated risk governance help? Invited book chapter in: *Risk governance. The articulation of hazard, politics and ecology*. U. Fra. Paleo (Ed.), Springer.
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 25. Cruz, Ana Maria (2014). Managing infrastructure, environment and disaster risk. Invited book chapter in: *Disaster Management: International lessons in risk reduction, response and recovery*. Alejandro López-Carresi, Maureen Fordham, Ben Wisner, Ilan Kelman and JC Gaillard (Eds.), Earthscan, Routledge, 352 p.
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 27. Cruz, Ana Maria (2012). Bringing Together Diverse Stakeholders to Address Natech Risks. Invited Book chapter in: *Disaster Risk Management: Conflict and Cooperation*. A. Sarkar and S. R. Sensarma (Eds.). Concept Publishing Company Pvt. Ltd., New Delhi: 365 p.
 28. Renni, E., Cozzani, V., Antonioni, G., Krausmann, E., Cruz, Ana Maria (2010). Assessment of major accidents triggered by lightning. In Reliability, Risk and Safety: Theory and Applications, *Proc. Eur. Safety and Reliability Conf.*, Guedes Soares & Martorell (eds), Taylor & Francis: London; pp. 959-965.
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 30. Krausmann, E. and Cruz, Ana Maria (2009). Natech accidents at industrial facilities – The case of the Wenchuan earthquake. Conference paper. *Proc. 2nd International Conference on Risk Analysis and Crisis Response (RACR) 2009*. Beijing, China, 19-21 October. <<http://racchina.gotoip2.com/portal.php?mod=view&aid=189>>
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 32. Cruz, Ana Maria (2007). Engineering Contribution to the Field of Emergency Management. Invited Book chapter in: *Disciplines, Disasters and Emergency Management: The Convergence and Divergence of Concepts, Issue and Trends from the Research Literature*. D. A. McEntire (Ed.), Charles C. Thomas Publisher, Ltd., Springfield, Illinois: 344 p.
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 34. Cruz, Ana Maria (2003) Joint natural and technological disasters: Assessment of natural disaster impact on industrial facilities in highly urbanized areas. Ph.D. Dissertation. *Dissertation Abstracts International*, Volume: 64-12, (202 p.), Section: B, page: 6261.

Special Reports (EC, UNEP, IAEA, FEMA, Peer-reviewed)

1. Krausmann, E. and Cruz, A.M. (2021). Hazard Information Profiles: Natech. In Murray, Virginia et al. (2021) *Hazard Information Profiles: Supplement to UNDRR-ISC Hazard Definition & Classification Review: Technical*

- Report*: Geneva, Switzerland, United Nations Office for Disaster Risk Reduction; Paris, France, International Science Council. DOI: 10.24948/2021.05
2. UNDRR-APSTAAG (2020) “Asia-Pacific Regional Framework for NATECH (Natural Hazards Triggering Technological Disasters) Risk Management”, United Nations Office for Disaster Risk Reduction – Asia-Pacific Science, Technology and Academia Advisory Group (Cruz, Ana Maria , second author)
 3. Cruz, Ana Maria (2014). Reporte de Recomendaciones: Semana de intercambio de experiencias internacionales en análisis de riesgo accidental y vulnerabilidad asociada al transporte de hidrocarburos. Report prepared for PNUD (United Nations Development Program office in Colombia) and ECOPEPETROL (the Colombian Petroleum Company), 7 February: 17 p.
 4. Cruz, Ana Maria (2012). Integration of Environmental Emergencies in Preparedness and Contingency Planning. Study report commissioned by the Joint UNEP/OCHA Environment Unit, Emergency Services Branch, Office for the Coordination of Humanitarian Affairs, Geneva, Switzerland.
<<http://www.eccentre.org/ResourceDetails.aspx/id/8/lan/en-US>>
 5. Okada, N., W. Kroger, Y. Kajitani, M. Bristow and Cruz, Ana Maria (2011). Risk Governance of Maritime Global Critical Infrastructure: The example of the Straits of Malacca and Singapore. Policy Brief Report. International Risk Governance Council (IRGC), Geneva: pp. 51.
 6. Cruz, Ana Maria and E. Krausmann (2009). Assessment of Tsunami Risk to Industry in Southern Italy. *EUR Report 23801*. Joint Research Centre, European Commission, Italy.
 7. Cruz, Ana Maria; E. Krausmann (2007). Results of the Workshop: Assessing and Managing Natechs (Natural hazard triggered technological accidents). *EUR Report 23288*. Joint Research Centre, European Commission, Italy.
 8. Cruz, Ana Maria (2005). Engineering Contribution to the Field of Emergency Management. Invited Book chapter in: *Disciplines and Emergency Management Textbook*, FEMA Higher Education Project, Federal Emergency Management Agency, Department of Homeland Security (DHS), Washington, D.C. <<http://training.fema.gov/EMIWeb/edu/docs/EMT/Engineering%20Contribution.pdf>>
 9. Cruz, Ana Maria, L. J. Steinberg, A. L. Vetere-Arellano, J. P. Nordvik, and F. Pisano (2004). State of the Art in Natech (Natural Hazard Triggering Technological Disasters) Risk Assessment in Europe. EUR Report 21292 EN, DG Joint Research Centre, EC and UN/ISDR, Ispra, Italy.
 10. Vetere-Arellano A. L., Cruz, Ana Maria, J. P. Nordvik, and F. Pisano, Editors (2004). Proceedings: NEDIES Workshop Analysis of Natech (Natural Hazard Triggering Technological Disaster) Disaster Management. EUR Report 21054 EN, DG Joint Research Centre, European Commission, Ispra, Italy.

Invited communications for broad readership (Not peer reviewed)

1. Cruz, AM and Suarez-Paba, MC (contribution to Natech article) (2021) Eventos Natech y su aplicación en gestión de riesgos. *Geociencias SURA Magazine*, 7th Edition, July (In press)
2. Krausmann, E.; Cruz, Ana Maria; and Necci, A. (2017) Impact of Hurricanes Katrina and Rita on the offshore oil and gas industry in the Gulf of Mexico. European Commission Report.
3. NHK World Biz Buzz Japan (2017) “Disaster Prevention Business.” Guest speaker in the show. NHK World. 28 July 2017. <https://www3.nhk.or.jp/nhkworld/en/tv/bizbuzz/201707130600/>
4. Cruz, Ana Maria and E. Krausmann (2009). Secondary Hazards following Natural Disasters: The Case of Natech Hazards. Emergency Management China, Beijing, China (Translated and published in Chinese).
5. Cruz, Ana Maria (2006) Hazardous Materials Releases and Natural Disasters: Are Natech Disasters Being Considered? *Emergency Management Canada*, Fall: 28-31.

International Reports, Papers in Proceedings, and other reports (Not Reviewed)

1. Nobuhito OHTSU, Akihiko HOKUGO, Yuko ARAKI, Yukari SATO, Ana Maria CRUZ, and Hyejeong PARK (2020) Evacuation behavior of vulnerable people during western Japan's heavy rain and aluminum factory explosion in 2018. 平成 30 年 7 月豪雨(2018 年西日本豪雨)およびアルミニウム工場水蒸気爆発に伴う災害時要援護者の避難行動
2. Misuri, A; Cruz, Ana Maria*; Park, H; Garnier, E; Ohtsu, N; Hokugo, A; Fujita, I; Aoki, S. and Cozzani, V (2020). Flood triggered oil spills: Lessons from the Natech accident in Saga prefecture in August 2019. Proceedings. 57th Natural Disaster Science Symposium, Natural Disaster Research Council, Japan, September.
3. Emmanuel Garnier, Alessio Misuri, Ana Maria Cruz, Hyejeong Park, Ohtsu, Nobuhito, et al.. Flood triggered oil spills: Lessons from the Natech accident in Saga prefecture in August 2019. *自然災害科学総合シンポジウム講演論文集*, (Proceedings of the Symposium of Natural Disaster Science), University of Kyoto, 2020.
4. Aliperti, G., and Cruz, Ana Maria (2020). Planning holidays during a pandemic: A study on tourist planned behavior. *Research Proceedings of Japan Society for Tourism Studies*: 26-27.
5. Aliperti, G. & Cruz, Ana Maria (2018). Risk communication and natural hazard: A tourists-oriented framework for preparedness, Global Conference on the International Network of Disaster Studies, Iwate, Japan, July, 2018.
6. Anirban Chakraborty, Ahmed Ibrahim, Bohuan Zhao, Kana Minamide, Songwhan Han and Yuhan Gao. Natech accident investigation during the 2011 Great East Japan Earthquake and Recommendations for disaster preparedness based on a resident survey. Capstone Report. (2018) Supervisor: Cruz, A.M., Kyoto University, Japan. https://minerva.jrc.ec.europa.eu/en/shorturl/benchmarking_exercise/capstonereportcruzlabpdf
7. Ana Maria Cruz, Eric Piatyszek, Junlei Yu, Michel Lesbats, Alicja Tardy (2016). Resilience in the Face of Natech Disasters: Findings from the ResTO-TerRiN Project. *Proceedings of the 7th International Conference of the Integrated Disaster Risk Management Conference (IDRiM 2016)*, Isfahan, Iran, 30 September-2 October.
8. Amendola, A., and Cruz, Ana Maria (2005) Industrial Areas, Disaster Hazards and Urban Planning. Conference Paper. Proceedings of the Earthquake Engineering in the 21st Century Conference, IZIIS, Skopije and Ohrid, Macedonia, August 27- September 1, 2005.
9. Cruz, Ana Maria (2005) Natech Disasters: A Review of Practices, Lessons Learned and Future Research Needs. Conference Paper. Fifth Annual IIASA-DPRI Meeting: Integrated Disaster Risk Management: Innovations in Science and Policy, IAEC, Beijing Normal University, 14-18 September 2005. <<http://webarchive.iiasa.ac.at/Research/RMS/dpri2005/Papers/Cruz.pdf> >
10. Cruz, Ana Maria, N. Okada and S. Tanaka (2005). Analysis of Spatial Distribution of Soil Contamination and Potential Linkages to Multiple Disasters: A Case Study in Nagoya, Japan. *Proceedings of Infrastructural Planning and Management*, Vol. 32 (CD-ROM, 101), JSPS.
11. Steinberg, L. J., Cruz, Ana Maria, F. Vardar-Sukan, and Y. Ersoz (2001) Risk Management Practices at Industrial Facilities during the Turkey Earthquake of August 17, 1999: Case Study Report. Conference Paper. 1st IIASA-DPRI Conference on Integrated Disaster Risk Management: "Reducing Socio-Economic Vulnerability." Laxenburg, Austria, 1-4 August 2001. <http://webarchive.iiasa.ac.at/Research/RMS/dpri2001/Papers/Cruz0602.pdf>

Invited lectures, and oral presentations at national and international conferences

1. Cruz, Ana Maria (2024). "Are you ready? Lessons from past Natech disasters for more resilient territories." Invited Keynote talk. 8th Natech Symposium, Norwegian University of Science and Technology, Trondheim, Norway, 1-2 July, 2024.

2. Cruz, Ana Maria (2024). "International DRR Cooperation- What do we mean? Experiences from the IDRiM Society." Invited Keynote Talk. (online). Community for European Research and Innovation for Security (CERIS), Disaster Resilient Societies (DRS): From Local to International Cooperation, Brussels, Belgium, 5-7 June, 2024.
3. Cruz, Ana Maria (2024). "Preparation of White Paper on the Disaster Management System Transformation in Indonesia." Invited Keynote talk, hybrid. National Development Planning Agency, Ministry of National Development Planning, Indonesia, 4 April, 2024.
4. Cruz, Ana Maria (2023). "Leveraging Disaster Risk Assessments to Strengthen Climate Resilience in Asia-Pacific." Invited Keynote talk, hybrid. *Asia-Pacific Economic Cooperation (APEC) Senior Officials Meetings, Federal Emergency Management Agency (FEMA)*, Seattle, Washington, United States, 1 August.
5. Dimitrios Tzioutzios, Hamilton Bean, Ana Maria Cruz, Miranda Dandoulaki, and Nicola Paltranieri (2023). A hermeneutic dimension to Natech risk communication. Awarded the "Ortwin Renn Prize for Applied Risk Research (1st Place), *SRA-Europe 2023 Conference*, Lund, SE, 18-21 June.
6. Cruz, Ana Maria (2023). Natech Hazards: The Need for a Paradigm Shift in Industrial Risk Management. Keynote talk. Natech Forum. Work Group for Industrial Disaster Prevention, Japan Society for Safety Engineering (JSSE), Tokyo, Japan, 20 July.
7. Cruz, Ana Maria (2023) Natech Research, Disaster Prevention, and Research and Education at Kyoto University. Invited lecture at Universidad de los Andes, Bogota, Colombia, 20 November.
8. Cruz, Ana Maria and Luo, Xiaolong (2023). Natechs and climate change: Present and future challenges (Natechs y el cambio climático: Retos presentes y futuros). Invited lecture, EAFIT University, Medellin, Colombia, 21 March.
9. Cruz, Ana Maria (2023). Promoting gender equity in disaster risk research: Challenges and opportunities. Invited panelist. Panel discussion II: Gender and Inclusivity in DRR Policy and Practice, 6th Global Summit of GADRI, Kyoto University, Uji Campus, 15-17 March.
10. Cruz, A. M. (2023). A hidden threat, flood triggered chemical accidents: Challenges for disaster risk management. Invited lecture/ keynote speaker, 9th International Conference on Flood Management (ICFM9), Tsukuba, Japan, February 19-21, 2023.
11. Parra-Orduz, Lina and A. M. Cruz (2023). Accident survey of heavy rainfall induced landslide-triggered events on oil and gas pipelines in Colombia. DPRI Annual Seminar, E207, 21-22 February, 2023.
12. Borjigin, Namulun and A. M. Cruz (2023). Barriers and Facilitators for Managers Adopting Protective Measures on Chemical Supply Chains to Deal With Flood-Related Natech Threats. DPRI Annual Seminar, E206, 21-22 February, 2023.
13. Jiang, P. and A. M. Cruz (2023). Proposal of a methodology for Downtime assessment of Natech accidents in Chemical industrial parks. DPRI Annual Seminar, E205, 21-22 February, 2023.
14. Dimitrios Tzioutzios, Miranda Dandoulaki, Ana Maria Cruz (2022) Exploring How Citizens Communicate About Natech Risk Through a Comparative Study and a Serious Game. Oral Presentation. Safe Thessaloniki 2022, Thessaloniki, Greece.
15. Ashida, R.; Cruz, A.M.; Tzioutzios, D. (2022). The impact of subjective well-being on risk perception and disaster preparedness actions: Re-examining a survey of the Kinki region, Japan, through structural equation modeling. Video poster presentation at the 17th APRU Multi-hazards Symposium 2022. November.
16. Karagiannakis, George and Ana Maria Cruz (2022). Natech risk drivers at process plants: a literature review. Oral presentation, 12th International Conference of the International Society for the Integrated Disaster Risk Management, 21-23 September 2022.
17. Parra-Orduz, Lina and A. M. Cruz (2022). Development of Landslide-Triggered Scenarios on Oil and Gas Pipelines for Risk Assessment. DPRI Annual meeting 2022. February 22nd, Kyoto University, Japan (Online participation)
18. Parra-Orduz, Lina and A. M. Cruz (2022). Identificación y Análisis de Eventos por Deslizamientos en Tuberías de Transporte de Hidrocarburos, 6th Natech Symposium ("6to Simposio Internacional de Accidentes Tecnológicos Desencadenados por Eventos de Origen Natural"), Bogota, Colombia, March 10th. (Online participation).

19. Parra-Orduz, Lina and A. M. Cruz (2022). Landslide-Triggered Natech on Oil and Gas Transmission Pipelines in Colombia: Identification and Analysis of Past Events. IDRiM Conference, September 22nd. Sixth prize Young Scientist Award in Young scientists session (Online participation)
20. Parra-Orduz, Lina and A. M. Cruz (2022). Identification and Analysis of Past Landslide-Triggered Events on Oil and Gas Transmission Pipelines in Colombia, Sogo Bosai Camp, October 8th.
21. Cruz, A.M. (2022). From risk management to risk governance for Natech disaster risk reduction. Invited oral presentation (virtual). Technical Session 6: Cascading (including NATECH), Compound, and Systemic Risks. 2022 Asia Pacific Science and Technology Conference for Disaster Risk Reduction, Manila, Philippines, 7-8 April.
22. Cruz, A.M. (2022). Challenges for Natech Risk Management Implementation. 6th International Symposium on Natural Hazards Triggered-Technological Accidents: Global Perspectives for Natech Risk Management (Natech 2022). Guest speaker. Bogota, Colombia, 10-11 March 2022.
23. Tzioutzios, D. and A.M Cruz (2022). A Serious Gaming Approach for Natech Risk Awareness and Chemical Information Disclosure. 6th International Symposium on Natural Hazards Triggered-Technological Accidents: Global Perspectives for Natech Risk Management (Natech 2022). Guest speaker. Bogota, Colombia, 10-11 March.
24. Parra-Orduz, L. and A.M. Cruz (2022). Using historical data to develop landslide-triggered scenarios on oil and gas pipelines. 6th International Symposium on Natural Hazards Triggered-Technological Accidents: Global Perspectives for Natech Risk Management (Natech 2022). Guest speaker. Bogota, Colombia, 10-11 March 2022.
25. Song, S.; Y. Matsushi and A.M. Cruz (2022). Developing a Simplified Model for Assessing the Pipeline Failure Probability Due to Multiple Independent Sources of Rainfall-Induced Debris Flow. 6th International Symposium on Natural Hazards Triggered-Technological Accidents: Global Perspectives for Natech Risk Management (Natech 2022). Guest speaker. Bogota, Colombia, 10-11 March 2022.
26. Luo, X. and A.M. Cruz (2022). How can we assess the Natech risk under a changing climate? 6th International Symposium on Natural Hazards Triggered-Technological Accidents: Global Perspectives for Natech Risk Management (Natech 2022). Guest speaker. Bogota, Colombia, 10-11 March 2022.
27. Parra-Orduz, Lina and A. M. Cruz (2021). Avances y Desafíos en la Valoración de Riesgo Natech, Natech Workshop, November 29, 2021. Medellin, Colombia (Online participation).
28. Parra-Orduz, Lina and A. M. Cruz (2021). Development of a dynamic natech risk assessment framework for landslide hazards on oil and gas transportation pipelines: research challenges. Sogo bosai camp 2021. Kyoto University, Japan, September 5th 2021 (Online participation)
29. Cruz, Ana Maria (2021). Integrated disaster management of technological risks associated with geohazard impacts on pipelines. Keynote speaker, *ARPEL ASME 2021 IPG -International Pipeline Geotechnical Conference* (Virtual), 21-22 June. <https://event.asme.org/Events/media/library/resources/ipg/IPG-2021-Preliminary-Program.pdf>
30. Cruz, Ana Maria (2021). Risk Management of Natech Hazards in Urban Areas: The Need for a Paradigm Shift in Industrial Risk Management. *一般社団法人 防災学術連携体(JANET)*, 27 May, Tokyo, Japan, <https://janet-dr.com/>
31. Dimitrios Tzioutzios and Ana Maria Cruz (2021). How do Citizens Communicate about Natech Risk Information Disclosure? - Findings from Japan and S. Korea. *5th Natech Symposium*. March 2021, Kyoto, Japan, March 10-11.
32. Hyejeong Park, and Ana Maria Cruz. (2021). Lessons learned from four Natech cases in Japan for community-based Natech risk management. *5th Natech Symposium*. March 2021, Kyoto, Japan, March 10-11.
33. Xiaolong Luo and Ana Maria Cruz (2021). Will tropical storms cause more Natech events due to climate change? An analysis based on various climate scenarios in the United States. *5th Natech Symposium*. March 2021, Kyoto, Japan, 10-11 March.
34. Hyejeong Park, and Ana Maria Cruz. (2021). Integrated Natech Risk Management Framework for Local Stakeholders in the Context of Japan. *DPRI Annual Meeting*, Kyoto University, February.
35. Xiaolong Luo and Ana Maria Cruz (2021.) Analysis of Global Warming Effects on the Incidence of Tropical Storm-Related Natech Events in the Future until 2100: A Case Study from the United States. *DPRI Annual Meeting*, Kyoto University, February 2021.

36. Cruz, Ana Maria (2020). Retos en la Gestión de Riesgo de Desastres Natech. Webinar on “Retos del Sector Minero Energético Colombiano en la Gestión del Riesgo de Desastres,” *Ministerio de Minas y Energía, PNUD, y UNGRD, Colombia*, November, <https://www.youtube.com/watch?v=-vXcXvO25QE>
37. Hyejeong Park, Ana Maria Cruz. (2020). A framework for community-based Natech risk management: Key elements from the perspectives of local community, first responders, and government. *IDRiM Virtual Workshop, International Society for Integrated Disaster Risk Management (IDRiM)*, Kyoto, Japan, September.
38. Xiaolong Luo, and Ana Maria Cruz (2020). The increasing probability/conditional probability of tropical storm-related Natech in the United States. *IDRiM Virtual Workshop, International Society for Integrated Disaster Risk Management (IDRiM)*, Kyoto, Japan, September.
39. Dimitros Tzioutzios and Ana Maria Cruz (2020) *Natech Risk Information Disclosure: Citizen Perceptions and Communicative Behaviour around Osaka Bay*. Oral presentation at the International Workshop on Natural and Technological Risk Reduction at Large Industrial Parks (Osaka, Kyoto), Japan, March 10-11.
40. Devina Khoirunnisa, Ana Maria Cruz, Junlei Yu (2020). Understanding Natech Evacuation Behavior: Revisiting a Household Survey after the 2011 Great East Japan Earthquake and Tsunami. Oral presentation at the *9th International Conference on Building Resilience*, Nusa Dua, Bali, Indonesia, on 13-15 January 2020.
41. Aliperti, G., Nagai, H., & Cruz, Ana Maria (2019), Tourist-oriented tsunami-risk communication: The challenges and perspectives of key stakeholders in Japan. Paper presented at the *10th Conference of the International Society for Integrated Disaster Risk Management (IDRiM)*, Nice, France.
42. Cruz, Ana Maria (2019). Disaster Management in Industry: The Case of Natechs. Inter-American Development Bank – *Kyoto University Roundtable for Disaster Risk Management*. Seifu Kaikan, Kyoto University, Kyoto, Japan, 3 April, 2019.
43. Cruz, Ana Maria (2019). Overview of Natech Research: Introduction to Natech Risk Management in China. Risk management and governance in the Anthropocene: An International Workshop on Natural Hazards Triggered Technological Risks (NATECH). Nanjing University, Nanjing, China, March 17-19, 2019.
44. Suarez-Paba, MC and Cruz, Ana Maria (2019) Natech risk management: the case of Colombia. Risk management and governance in the Anthropocene: An International Workshop on Natural Hazards Triggered Technological Risks (NATECH), Nanjing, China, 17-19 March 2019.
45. Suarez-Paba, MC and Cruz, Ana Maria (2019) Development of Screening Methodology for Natural Hazard Characterization and Vulnerability Assessment of Exposed Industrial Installations, DPRI Annual Seminar, Japan, 19-20 February 2019.
46. Suarez-Paba, MC and Cruz, Ana Maria (2019) Gestión del Riesgo Natech en Colombia. Skype meeting and presentation with the local government of the Metropolitan Area of Aburra Valley (AMVA), Medellin, Colombia-Japan, 26 March 2019.
47. Luo, Xiaolong and Cruz, Ana Maria (2019) Study on the Spatial Distribution Characteristics of Natech Events in the United States. DPRI Annual Seminar, Japan, 19-20 February 2019.
48. D. Tzioutzios, Cruz, Ana Maria (2018). *Understanding Citizens' Communicative Behaviour towards the Issue of Natech Risk Information Disclosure*. Debiasing and Lay Informatics Research Seminar, Oklahoma University (Oklahoma, USA); 27 November, 2018.
49. Cruz, Ana Maria (2018). Joint Natural and Technological (Natech) Hazards: The Complexities of Natech Accidents. ASEAN Regional Disaster Exercise (ARDEX) 2018, The Royale Krakatua Hotel, Cilegon, Indonesia, 4-10 November, 2018.
50. Aliperti, G. and Cruz, Ana Maria (2018). Tourists' risk information seeking processing: A cross-cultural study from Japan. Paper presented at the 9th Conference of the International Society for Integrated Disaster Risk Management (IDRiM), Sydney, Australia. October 2018.
51. Aliperti, G. & Cruz, Ana Maria (2018). Risk communication and natural hazard: Towards a tourists-oriented framework for preparedness. Paper presented at the Global Conference on the International Network of Disaster Studies - Iwate University & Harvard Kennedy School, Morioka, Japan. July 2018.
52. Cruz, Ana Maria (2018). Natech Risk Communication: Moving Towards Comprehensive Risk Management. IDRiM Conference. Session organizer, chair and presenter. University of New South Wales, Sydney, Australia, October 2-4, 2018.

53. Suarez-Paba, M.C. and Cruz, Ana Maria (2018). Case Studies: Natech Risk Management in Colombia. International Conference on Integrated Science & Technology: Contributions for Informed Policy-Making and Action for the Implementation of the Sendai Framework, Chengdu, China, October 16-17, 2018.
54. Cruz, Ana Maria (2018). Joint Natural and Technological Hazards and their Risk Management. Invited Presentation. International Conference on Integrated Science & Technology: Contributions for Informed Policy-Making and Action for the Implementation of the Sendai Framework, Chengdu, China, October 16-17, 2018.
55. Suarez-Paba, MC and Cruz, Ana Maria (2018) Natech-RateME – Comprehensive Natech Performance Rating System for Industrial Parks to Manage Risks from Extreme Events. Seminar Camp of Integrated Arts and Sciences for Disaster Reduction Research Group (Sogo Bosai Camp), Kyoto University, Shiga, Japan, 22-23 September 2018.
56. Cruz A. M. (2018). Risk Communication: Increasing Awareness for Better Disaster Preparedness. Invited presentation. OECD Natech Workshop, Potsdam, Germany, Sept 5-7, 2018.
57. Suarez-Paba, MC and Cruz, Ana Maria (2018) Natech risk management in Colombia: An overview. UN/ OECD Workshop on Natech Risk Management (Natural-hazard triggered technological accidents), Potsdam, Germany, 5-6 September 2018.
58. Maekawa, T and Cruz, Ana Maria (2018) Simplified Modeling of an Oil Refinery Natech following the Great East Japan Earthquake Using Bayesian Network for Domino Effect. UN/ OECD Workshop on Natech Risk Management (Natural-hazard triggered technological accidents), Potsdam, Germany, 5-6 September 2018.
59. Cruz, Ana Maria (2018). The state of the art in Natech risk management in the last four decades. Wrap-up Session Chair. 4th Natech symposium, Joint Research Centre, European Commission, Ispra, Italy, 3 September 2018.
60. Suarez-Paba, MC and Cruz, Ana Maria (2018) Systematic literature review of Natech risk management by natural hazard. Natech Symposium on "Natech Risk Reduction at Large Industrial Parks", Joint Research Centre, European Commission, Ispra, Italy, 3 September 2018.
61. Cruz, Ana Maria and H. Suda (2017) Joint Natural and Technological (Natech) Risk Assessment and Evacuation Planning. International Conference on Community Based Disaster Risk Reduction and Recovery. *Keynote speech*. International Conference Hall, State University of Science and Technology, Pingtung University, Taiwan, 11-12 September, 2017.
62. Cruz, Ana Maria (2017) Wrap-up Plenary Panel Discussion Chair. 8th International Conference of the Integrated Disaster Risk Management Society (IDRiM 2017), Reykjavik, Iceland, 23- 25 September 2017.
63. Cruz, Ana Maria (2017) *Invited Panelist*, Plenary Panel Discussion: Cascading Impacts of Natural Disasters. 8th International Conference of the Integrated Disaster Risk Management Society (IDRiM 2017), Reykjavik, Iceland, 23- 25 September.
64. Cruz, Ana Maria and H. Suda (2017) Natech Risk Management to Inform Community Evacuation Planning. Oral presentation and Natech session organizer and chair. 8th International Conference of the Integrated Disaster Risk Management Society (IDRiM 2017), Reykjavik, Iceland, 23- 25 September.
65. Cruz, Ana Maria (2017) Challenges in Risk Information Disclosure in the Context of Natech Hazards. Oral presentation and session organizer. 8th International Conference of the Integrated Disaster Risk Management Society (IDRiM 2017), Reykjavik, Iceland, 23- 25 September.
66. Aliperti, G., Cruz, Ana Maria, Rizzi, F., & Frey, M. (2017). Post-Natech management: an investigation of mid-long-term effects of radioactive risk contamination on planned behavior and risk perception of tourists and residents in Japan. Paper presented at the 8th Conference of the International Society for Integrated Disaster Risk Management (IDRiM), Reykjavik, Iceland. August 2017.
67. Aliperti, G., Cruz, Ana Maria, Rizzi, F., & Frey, M. (2017). Damages triggered by large-scale Natech disasters: A side effect of the Fukushima nuclear accident, Paper presented at the 3rd International Symposium on Natural and Technological Risk Reduction At Large Industrial Parks (Natech-2017), Osaka, Japan. March 2017.
68. Eric Piatyszek, Alicja Tardy, Michel Lesbats, Damien Lamalle, Ana Maria Cruz (2017). Flood-induced Natech events – Analysis of the physical and organizational vulnerability of industrial sites. *Conference IDRiM 2017*, Aug 2017, Reykjavik, Islande. 2017.
69. Michel Lesbats, Eric Piatyszek, Alicja Tardy, Damien Lamalle, Ana Maria Cruz (2017). Estimation et amélioration de la résilience d'un territoire aux risques Natech issus d'une inondation. *Risques et résilience des territoires 2017 : Apports de la notion de résilience à la gestion des risques*, Oct 2017, Marne La Vallée, France.

70. Eric Piatyszek, Michel Lesbats, Alicja Tardy, Ana Maria Cruz (2016). Resto Terrin : Contribution à la modélisation systémique de la résilience technique et organisationnelle du territoire face au risque natech. *7ème Assises nationales des risques technologiques*, Oct 2016, Douai, France
71. Cruz, Ana Maria; Eric Piatyszek; Junlei Yu; Michel Lesbats; and Alicja Tardy (2016). Resilience in the Face of Natech Disasters: Findings from the ResTO-TerRiN Project. Oral Presentation. 7th International Conference of the Integrated Disaster Risk Management Society (IDRiM 2016), Isfahan, Iran, 30 September-2 October.
72. Cruz, Ana Maria (2016). Natech Risk Management: Research Challenges. Oral presentation, International Disaster and Risk Conference (IDRC), Davos, Switzerland, 30 August, 2016.
73. Cruz, Ana Maria (2016) Initiative on Natechs: Joint NATural and TECHnological (Natech) risk reduction. Invited oral presentation, GADRI Board of Directors Meeting, Kyoto, Japan, 23 March 2016.
74. Cruz, Ana Maria, Eric Piatyszek, Junlei Yu, Akihiko Hokugo, Hirokazu Tatano, Carine ElHajj, Michel Lesbats, and Alicja Tardy (2016). ResTO TerRiN Project: Towards Territorial Resilience to Complex Disaster. DPRI Annual Seminar, Uji Campus, Kyoto University, 23-24 February, 2016.
75. Cruz, Ana Maria; N. Kato; S. Aoki; S. Babel; A. Sharp; H. Tatano; I. Meilano, and A. Baylon (2016). INTER-Asian initiative on joint Natural and Technological (Natech) risk reduction at industrial estates. Poster. World Conference on Disaster Risk Reduction, UNISDR Science and Technology Conference on the Implementation of the Sendai Framework for Disaster Risk Reduction 2015-2030, UNISDR, Geneva, Switzerland, 27-29 January 2016.
76. Cruz, Ana Maria (2016). INTERA-NATECH : INTER-Asian initiative on joint NATural and TECHnological (Natech) risk reduction at industrial estates. Oral presentation, Co-chair, NATECH 2016 Symposium, Nakanoshima Center, Osaka University, 12-13 January 2016.
77. Kiyohara, K., and Cruz, Ana Maria (2015). Incidence of chemical accidents related to high pressure gases caused by natural hazard events in Japan. Oral presentation. Sogo Bosai Group Camp. Osaka, Japan, 3-4 October 2015.
78. Cruz, Ana Maria (2015). Joint *Natural and Technological* (Natech) Disasters: Prevention and Preparedness Actions for Risk Reduction. DPRI Open Lecture 2015, Kyoto University, Campus Plaza, Kyoto, 1 October.
79. Cruz, Ana Maria; Piatyszek, E.; Yu, J.; Hokugo, A.; C. El Hajj; Lesbats, M.; and Tardy, A. (2015). Contribution to the Systemic Modeling of Technical and Organizational Resilience of a Territory Exposed to Natech Risk Invited Oral Presentation. 25th Ocean Engineering Symposium, Japan Society of Naval Architects and Ocean Engineers (JASNAOE), Surugadai Campus, Nippon University, Tokyo, 6-7 August.
80. Cruz, Ana Maria and H. Suda (2015). Assessment of Natech Risk for Evacuation Planning in Areas Subject to Natural Hazards. Invited oral presentation. 7th European Meeting on Chemical Industry and Environment, Tarragona, Spain, 10-12 June.
81. Cruz, Ana Maria and E. Krausmann (2015). Impacts of Hurricane Katrina and Rita on the Oil and Gas Industry in the Gulf of Mexico. International Symposium on natural disaster triggered oil and gas spills. Nakanoshima Center, Osaka University, Osaka, Japan, 19-20 March.
82. Alicja Tardy, Eric Piatyszek, Ana Maria Cruz, Michel Lesbats (2015). Contribution to the Systemic Modelling of Technical and Organizational Resilience of a Territory to Natech Risk: A BOTTOM-UP APPROACH. *International Symposium on Natural Disaster Impacts to Large Industrial Parks (NDIIP 2015)*, 19-20 Mar 2015, Osaka, Japan, 2015.
83. Cruz, Ana Maria (2015). Towards disaster resilience: Reducing risks from technological accidents triggered by natural hazards (Natech). Special session presentation during the World Conference on Disaster Risk Reduction, Sendai, Japan, 14-18 March.
84. Cruz, Ana Maria (2014). Impact of Natural Disasters on Operations and Safety of Chemical Plants. Invited oral presentation, Meeting of the JSPS 180th Committee on Risk Based Plant Management, Tokyo, 1 December.
85. Cruz, Ana Maria (2014). Natechs: An Emerging Risk Issue. Invited oral presentation. the 8th Joint International Symposium on Disaster Risk Management: Education for Disaster Prevention, Reconstruction from Kobe Earthquake Disaster, and Adaptation plan under Climate Change. Kobe University, Kobe, 13 September.
86. Cruz, Ana Maria (2014). Natural Disasters: Case studies of secondary impacts to chemical plants. Invited oral presentation, Earthquake Engineering Research Center, University of Iceland, Reykjavik, Iceland, 1-6 September.
87. Cruz, Ana Maria and E. Krausmann (2014). Frontiers in Natech Risk Management. IDRiM 2014 Conference, Western Ontario University, Ontario, Canada, 30 Oct-1 Nov.

88. Cruz, Ana Maria (2014). Oil and Gas Releases during Natural Disasters. Invited oral presentation, Ocean Engineering and Architecture, Osaka University, Osaka, Japan, 15 July.
89. Cruz, Ana Maria (2014). Natech Research: A case study in the Straits of Malacca and Singapore. Invited oral presentation. Japan Maritime Center, Tokyo, 18 July.
90. Cruz, Ana Maria (2014). Natech risk and potential impacts: A case study in the Straits of Malacca and Singapore. Invited Oral Presentation. Japan Ship Owners Association, 18 July.
91. Cruz, Ana Maria (2014). Natech risk and potential impacts: A case study in the Straits of Malacca and Singapore. Invited oral presentation. Japan Port and Airport Research Institute, Kurihama, Tokyo, 17 July.
92. Cruz, Ana Maria (2014). Tendencias en la Gestion del Riesgo Industrial tipo Natech. Invited oral presentation. Programa de la Naciones Unidas para el Desarrollo y ECOPEPETROL, Taller sobre Gestion del Riesgo Tecnológico. Bogota, 20 January.
93. Cruz, Ana Maria (2013). Natech Risk Management 2003-2013. Oral presentation, IDRiM 2013 Conference, Northumbria University, Newcastle upon Tyne, UK, 4-6 September.
94. Cruz, Ana Maria (2012) "Risks from Chemical Industry during Natural Hazards", GCOE ARS Seminar, Kyoto University, Kyoto Japan, 17 November 2012.
95. Cruz, Ana Maria (2012) "The Great East Japan Earthquake and Tsunami: Natech Case Study Analysis", Special Natech session, Organizer, chair and speaker at the 3rd Conference of the International Society for Integrated Disaster Risk Management, IDRiM 2012, Beijing, China, 7-9 September.
96. Krausmann, E., Cruz, Ana Maria, Y. Kajitani, and H. Tatano (2012) Chemical releases triggered by the Great East Japan Earthquake and Tsunami. Session co-organizer, International Disaster Risk Conference, "Integrative Risk Management in a Changing World - Pathways to a Resilient Society." Davos, Switzerland, 26-30 August.
97. Cruz, Ana Maria (2012) Invited panelist, Rio+20 Forum on Science, Technology & Innovation for Sustainable Development, United Nations Conference on Sustainable Development, Rio de Janeiro, Brasil, 11-15 June.
98. Kajitani, Y., H. Tatano, Cruz, Ana Maria, and E. Krausmann (2012) Protecting industry and communities: Lessons from the Great East Japan Earthquake of 11 March 2011, Japan Geosciences Union Conference, Tokyo, Japan, 24 May.
99. Cruz, Ana Maria and E. Krausmann (2012) Lessons from the Sendai industrial complex and Chiba's Oil refinery fires following the Great Eastern Japan earthquake and tsunami. Invited oral presentation. OECD Workshop on Natech Risk Management (Natural-hazard triggered technological accidents), Dresden, Germany, 23-25 May.
100. Cruz, Ana Maria (2012) Vulnerability of the oil and gas sector to climate change and extreme weather events. Invited oral presentation. OECD Workshop on Natech Risk Management (Natural-hazard triggered technological accidents), Dresden, Germany, 23-25 May.
101. Krausmann, E. and Cruz, Ana Maria (2012) Impact of the 11 March, 2011, Tohoku earthquake and tsunami on the chemical industry. Special Natech session co-organizer, General Assembly of the European Geosciences Union (EGU), Vienna, Austria, 22-27 April.
102. Cruz, Ana Maria, E. Krausmann, Y. Kajitani, H. Tatano, K. Takara, and M. Lesbats (2012). Protéger l'industrie et les populations: Retour d'expérience du grand tremblement de terre du 11 Mars 2011 à l'Est du Japon. Poster Presentation. Assises Nationales des Risques Naturels, Bordeaux, 19-20 January.
103. Cruz, Ana Maria, M. Lesbats, and D. Bonjour (2012). Quelques réflexions sur l'organisation de la gestion du risque majeur : Le retour d'expérience d'AZF à Fukushima. Préventica Congrès 2012, Bordeaux, France, 31 Jan-2 Feb.
104. Cruz, Ana Maria (2011) "Natech Risk: Vulnerability of Industry and Communities", Japan-China Joint Seminar on Sustainable and Integrated Disaster Risk Management, Kyoto, Japan, 8-9 December.
105. Krausmann, E. and Cruz, Ana Maria (2011). The 11 March, 2011, Tohoku Earthquake and Tsunami: Impact on the Chemical Industry. Presented at 2nd Conference of the International Society for Integrated Disaster Risk Management, IDRiM2011, Los Angeles, California, 14 -16 July.
106. Cruz, Ana Maria, M. Dandoulaki, A. Pomonis, E. S. Georgescu, B. Di, and N. Ai (2011). Small Community Strategies for Post- Disaster Recovery after the Wenchuan Earthquake. Presented at 2nd Conference of the International Society for Integrated Disaster Risk Management, IDRiM2011, Los Angeles, California, 14-16 July.

107. Krausmann, E. and Cruz, Ana Maria (2011) Natech risk management – The protection of chemical critical infrastructures against natural hazards. Co-organizer, Special Natech session, SRA-Europe 2011 Annual Meeting, Stuttgart, Germany, 6-8 June.
108. Cruz, Ana Maria (2010) “Risk Governance Issues in the BP Oil Spill Disaster in the US Gulf of Mexico”, Workshop on Risk Governance of the Maritime Global Critical Infrastructure, Kyoto, Japan, 6-7 November.
109. Cruz, Ana Maria (2010) “External Hazards and Natech Risks. Invited presentation at the Regional Cluster Meeting on Straits of Malacca & Singapore as a Global Maritime Critical Infrastructure (MGCI). Singapore, Singapore, 30 May- 1 June.
110. Cruz, Ana Maria (2010). Infrastructure Protection from Extreme Natural Hazards: The case of Marine Oil Terminals and Ports. Session Chair and presenter at the special Natech session at the 3rd International Disaster and Risk Reduction Conference (IDRC). Davos, Switzerland, 30 May-3 June.
111. Santella, N.; L. J. Steinberg, H. Sengul, Cruz, Ana Maria, and G. A. Aguirre (2010). Quantification of Occurrence and Cumulative Probability of Natechs in the United States. Presented at the special Natech session at the 3rd International Disaster and Risk Reduction Conference. Davos, Switzerland, 30 May-3 June.
112. Krausmann, E. and Cruz, Ana Maria (2010). The impact of earthquakes on industry: The Wenchuan and the Kocaeli earthquakes. Invited presentation at the International Workshop on Documentation, Archiving and Open Access to Disaster Information Emercom, TIEMS and CODATA WG. Moscow, Russia, 18-21 May.
113. Cruz, Ana Maria (2010). “Protecting Infrastructure during Natural Disasters.” Special Natech session Co-organizer. Geophysical Research Abstracts, Vol. 12, EGU2010-2830, 2010 EGU General Assembly, Vienna, Austria, 2-7 May.
114. Cruz, Ana Maria (2010) “Climate change and extreme weather events impacts on the oil and gas industry.” Invited oral presentation. Joint ICTP/IAEA Workshop on Vulnerability of Energy Systems to Climate Change and Extreme Events. Trieste, Italy, 19-23 April.
115. Cruz, Ana Maria; E. Krausmann; and G. Franchello (2009). Risk Assessment of Tsunami Impact on an Oil Refinery. 9th IIASA-DPRI Conference on Integrated Disaster Risk Management. Special Natech Session. Presenter, Session co-organizer. Kyoto, Japan, 13-15 October.
116. Cruz, Ana Maria (2009) “Tendencias en la gestión de riesgos industriales tipo NATECH.” Invited Keynote speaker. XXV Colombian Chemical Engineering Congress: Innovaquímica. Medellin, Colombia, 16-18 September.
117. Cruz, Ana Maria; E. Krausmann, and G. Franchello (2009). Assessment of tsunami vulnerability of an oil refinery in Southern Italy. Co-organizer, chair and speaker. Special Natech Session, European Geosciences Union (EGU), Vienna, Austria, 19-24 April.
118. Cruz, Ana Maria and E. Krausmann (2008) “Emerging Issues in Natech Risk Management. Invited Presentation.” Invited presentation, Global Dialogue. Chengdu, China, 12-13 Nov.
119. Cruz, Ana Maria, and E. Krausmann (2008). “Results of the Workshop: Assessing and Managing Natech Risks.” Invited speaker. FIG Commission3 Workshop, Valencia, Spain, 18-21 Feb.
120. Cruz, Ana Maria (2007). “Natech Workshop: Assessing and Managing Natech Risks.” Speaker, lecturer and co-organizer. Held back to back with the 7th IIASA-DPRI Forum on Integrated Disaster Risk Management, Stresa, Italy, 17-21 September.
121. Cruz, Ana Maria (2006). “Preventing Natech Catastrophes: Country Practices and Case Studies.” Invited speaker at the 16th World Conference on Disaster Management. Toronto, Canada, 18-21 June.
122. Cruz, Ana Maria (2006). “Diagnosis of Natech Risk in Urban Areas: A Methodology for Preliminary Assessment.” Presented at the European Geosciences Union General Assembly. Vienna, Austria, 3-7 April.
123. Cruz, Ana Maria (2006). “Awareness of Potential Natech Disasters among Households in a Japanese Community.” Invited speaker, chair and organizer at the 6th IIASA-DPRI Forum on Integrated Disaster Risk Management Challenges for Business and Industry, 13-17 August.
124. Hatice Sengul, Laura J. Steinberg and Ana Maria Cruz (2006). “Oil spills and hazardous material releases from industrial facilities due to Hurricane Katrina”, presented at the Sixth Annual IIASA- DPRI, Risk and Challenges for Business and Industry, Istanbul, Turkey, August 2006.

125. Cruz, Ana Maria and N. Okada (2006). Diagnosis of NATECH risk in urban areas: A Methodology for preliminary assessment. Co-organizer and speaker, Geophysical Research Abstracts, Vol.8, 10713, 2006 Sref-ID: 1607-7962/EGU06-A-10713, European Geosciences Union.
126. Hatice Sengul, Laura J. Steinberg and Ana Maria Cruz (2005). "Hazard characterization of joint natural and technological disasters (natechs) in the US using federal databases," presented at Society for Risk Analysis Annual Meeting, Orlando, Florida, USA, December 2005.
127. Cruz, Ana Maria (2005). "Addressing External Event Impact on Energy Infrastructures." Invited speaker at the International Conference on Safety and Security of Energy Infrastructures in a Comparative View (SEIF-CV), European Commission, Directorate General for Energy and Joint Research Center, Institute of Energy, Brussels, Belgium, 14-16 November.
128. Cruz, Ana Maria, N. Okada, and S. Tanaka (2005) "Analysis of spatial distribution of soil contamination and potential linkages to multiple disasters: a case study in Nagoya, Japan." JSCE Infrastructure Planning Conference, September, Japan.
129. Cruz, Ana Maria (2005). "Natech Disasters: A Review of Practices, Lessons Learned and Future Research Needs." Invited speaker at the Fifth Annual IIASA-DPRI Forum Integrated Disaster Risk Management: Innovations in Science and Policy, Beijing, China, 14-18 September.
130. Cruz, Ana Maria and N. Okada (2005). "Rapid Assessment Tool for Diagnosis of Natech Risk in Urban Areas." Presented at the 14th SRA Europe Annual Meeting 2005, Como, Italy, 12-14 September.
131. Hatice Sengul, Laura J. Steinberg and Ana Maria Cruz (2005). "Technological disasters induced by natural disasters- frequency, trend, distribution and characteristics of Natechs in the US, 1990-2003," presented at the 14th Society for Risk Analysis Europe Annual Meeting, Como, Italy, September 2005.
132. Cruz, Ana Maria, L. J. Steinberg, and H. Sengul (2005). Analysis of Natech Risk and Emergency Response Practices in Southern California. Poster presented at the 30th Annual Hazards Research and Applications Workshop, Boulder, CO, July 10-13.
133. Cruz, Ana Maria (2005). "Prevention of Chemical Accidents Triggered by Natural Hazards." Invited speaker at Kyoto University's Disaster Prevention Research Forum - 21st Century Center of Excellence Program, Kyoto, Japan, 9-13 May.
134. Cruz, Ana Maria (2005). "Mainstreaming Lessons Learnt from Natechs into Risk Management Practice." Invited speaker at the United Nations International Strategy for Disaster Reduction's World Conference on Disaster Reduction (WCDR), Kobe, Japan, 18-22 January.
135. Cruz, Ana Maria, L. J. Steinberg, A. L. Vetere, J. P. Nordvik, and F. Pisano (2004). "Conjoint Natural and Technological (Natech) Disasters in Europe: A State of the Art Report." Presented at the Society for Risk Analysis Europe's 13th SRA-Europe Annual Meeting 2004 conference on Emergent Risks and Global Risk Management in Europe, Paris, France, 15-17 November.
136. Cruz, Ana Maria (2003). "Cascading Events Leading to Hazardous Materials Releases during the Turkey Earthquake of August 1999." Presented at the International Workshop on Natech Disasters: Natural Hazards Triggering Technological Disasters, European Commission Joint Research Centre, Institute for the Protection and Security of the Citizen, Ispra, Italy, 20-21 October.
137. Cruz, Ana Maria (2003). "Assessment of Mitigation Measures and Emergency Response Practices to Joint Earthquake and Hazardous Materials Release Disasters in Southern California: Is There a Gap?" presented at the 28th Annual Hazards Research and Applications Workshop, Boulder, CO, July 13-16.
138. Steinberg, L. J. and Cruz, Ana Maria (2003). Building Sustainable Communities: Natural and Technological Disasters in Urban Areas. Poster presented at the Green Engineering: Defining the Principles Conference, Destin, Florida, May 18-22.
139. Cruz, Ana Maria, L. J. Steinberg, F. Vardar-Sukan, and Y. Ersoz (2002). "Preparedness for Joint Earthquake and Technological Disasters Following an Earthquake: Lessons from the Turkey Earthquake of August 17, 1999". Oral presentation at the Hazards 2002 Symposium, Ninth International Symposium on Natural and Man-Made Hazards, Antalya, Turkey, October 3-6.
140. Cruz, Ana Maria and L. J. Steinberg (2002) Technological Disasters Triggered by a Large Earthquake: A Case Study of the Turkey Earthquake of August 1999. Poster presented at the 27th Annual Hazards Research and Applications Workshop, Boulder, CO, July 14-17.

141. Cruz, Ana Maria (2001). "Impacts of Natural Disasters on Industry." Tulane University, Civil Engineering Graduate Seminar Series, New Orleans, LA., 11 September.
142. Cruz, Ana Maria and L. J. Steinberg (2001). "Assessment of Risk Management Practices at Industrial Facilities during the Turkey Earthquake of August 17, 1999" presented at the First Annual IIASA-DPRI Conference "Integrated Disaster Risk Management: Reducing Socio-Economic Vulnerability", IIASA, Laxemburg, Austria, 1-4 August.
143. Steinberg, L. J. and Cruz, Ana Maria (2001). Hazardous Materials Releases during the August 17, 1999 Earthquake in Turkey. Proceedings of the World Water and Environmental Resource Congress, Environmental and Water Resources Institute (EWRI), Orlando, Florida, May 20-24.
144. Steinberg, L. J. and Cruz, Ana Maria, F. Vardar Sukan and Y. Ersoz (2000) Hazardous Materials Releases and Associated Emergency Response Efforts in the Turkey Earthquake of August 17, 1999. Preliminary Report". Poster presented at the Tulane Engineering Forum, New Orleans, LA, September.
145. Cruz, Ana Maria and L. J. Steinberg (1999). "A Study for Potential Hazardous Air Emissions During a Hurricane". Presented at the Annual Louisiana American Society of Civil Engineers (ASCE) Meeting, Kenner, LA, 16 September.
146. Cruz, Ana Maria and L. J. Steinberg (1999). Identifying Hurricane-Induced Hazardous Materials Release Scenarios in a Refinery. Presented at the Symposium "The Impact of Hurricane Camille: A Storm Impact Symposium to Mark the 30th Anniversary", New Orleans, LA, 17-18 August.
147. Steinberg, L. J. and Cruz, Ana Maria (1999) Natural Disasters and Industrial Activities in the Urban Environment. Oral presentation presented at the 24th Annual Hazards Research and Applications Workshop, Boulder, CO, July 11-14.
148. Cruz, Ana Maria and M. Sanchez (1995). "Design and assessment of a Biotechnology Research Center in the Island Santa Ana, Buenaventura, Colombia" presented at the Workshop "Presentation of research projects on the Conservation and Environmental Protection of the Pacific Coast of Colombia to the Ministry of the Environment", International Center for Tropical Agriculture (CIAT), Invemar and Colciencias, Palmira, Colombia, 14 June.