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EDUCATION

1996	Sc.D.	Environmental Pollution Environmental Health Management	Department of Environmental Health School of Public Health, Harvard University, Cambridge, MA, USA
1992	M.S.	Air Pollution Environmental Health Management	Department of Environmental Health School of Public Health, Harvard University, Cambridge, MA, USA
1988	B.S.	Atmospheric Sciences	Department of Atmospheric Sciences, National Taiwan University, Taipei, Taiwan

EMPLOYMENT

2021 Jan ~ Present	Deputy Director	RCEC, Academia Sinica, Taiwan
2019 July ~ Present	Deputy Executive Secretary	CSS, Academia Sinica, Taiwan
2014 July ~ Present	Research Fellow	RCEC, Academia Sinica, Taiwan
2006 Aug ~ Present	Joint Faculty	Department of Atmospheric Sciences, National Taiwan University, Taiwan
2023 Aug~ Present	Adjunct Faculty	Institute of Environmental and Occupational Health Sciences, National Taiwan University, Taiwan

HONORS & AWARDS

2024 "Fellow of AARA", The Asian Aerosol Research Assembly (AARA) has established AARA Fellows to recognize individuals with outstanding service to the AARA and significant contributions to the field aerosol science and technology and in Asian regions for more than 10 years.

2024 "Fellow of ISIAQ Academy", International Society of Indoor Air Quality and Climate (ISIAQ)

2024 Ranked the 20th of "Best Environmental Sciences Scientists in Taiwan", The 3rd edition of Research.com ranking **2**0th of the best scholars in Taiwan in the field of Environmental Sciences, 2024, https://research.com/scientists-rankings/environmental-sciences/tw

2022 "Outstanding Research Award", Ministry of Science and Technology, Executive Yuan, Taiwan

2020 Team of Excellence (Top 5) of the 2020 Presidential Hackathon, https://presidential-hackathon.taiwan.gov.tw/

2018 Member of RCAP, ISC (formally International Council for Science (ICSU)), 2018 Nov ~ 2019 Dec

2016 Best Poster Awards and presented, the 23rd Pacific Science Congress, Taiwan

2015 Member of Regional Advisory Committee, Regional Centre for Future Earth in Asia, Japan, 2015 Nov ~ 2019 Dec

2013 Highlighted in the newsletter, International Council for Science (ICSU) Insight, Paris

2012 Highlighted in the A-IMBN Research

2004 Chiu-sen Award, Chinese Association for Aerosol Research, Taiwan

1992 Alumni Scholarship, School of Public Health, Harvard

RESEARCH INTERESTS

Exposure and Risk Assessment, Organic Aerosols, Environmental Health Management, Health Adaptation, Heat Stress, Heat Vulnerability Assessment

ACADEMIC SERVICE & RESEARCH PROJECTS

Positions/Services in Internationally Eminent Academia Organizations

1. Advisor, **Future Earth Global Secretariat Hub (GSH) Taipei**, one of the Future Earth GSHs supporting Future Earth, July 2022 – Present.
2. Member, Group of Coordinators, **Belmont Forum**, representing Ministry of Science and Technology, Executive Yuan, Taiwan, 2020 – Present.
3. Chair, Science Steering Committee, Health Investigation and Air Sensing for Asian Pollution, a Future Earth regional activity endorsed by Regional Centre for Future Earth in Asia, November 2019 – Present.
4. Member, Lead Author Group, Low-Cost Sensor Document for **World Meteorological Organization**, WMO (WMO), 2nd, June 2020– December 2020.
5. Member, Regional Committee for the Asia and the Pacific (RCAP), Regional Office for the Asia and the Pacific (ROAP), **International Science Council** (ISC, formally International Council for Science (ICSU)); November 2018 – December 2019.
6. Member, Scientific Steering Committee, Monsoon Asia Integrated Research for Sustainability Study (**MAIRS**)-Future Earth, September 2018 – Present.
7. Member, Editorial Group, Low-Cost Sensor Document for **World Meteorology Organization** (WMO), August 2017 – March 2018.
8. Member, Advisory Group, **Health Knowledge-Action Network (KAN) for Future Earth** (a major ICSU supported international scientific activity for sustainability science); November 2016 – Present.
9. Member, **Regional Advisory Committee, Regional Centre for Future Earth in Asia**, located in Research Institute of Humanity and Nature, Kyoto, Japan. November 2015 – December 2019.
10. Member, International Global Atmospheric Chemistry (IGAC) - Monsoon Asia and Oceania Networking Group (MANGO); June 2015 – Present.
11. Executive Director, Integrated Research on Disaster Risk (IRDR), International Center of

Excellence in Taipei (ICoE-Taipei), IRDR is a major ICSU scientific activity; June 2015 – July 2017.

12. Member, Scientific Steering Committee, **International Global Atmospheric Chemistry Project** (IGAC); January 2010 – December 2015.

RESEARCH HIGHLIGHTS

My research expertise is **Environmental Health Sciences** which assesses potential environmental hazards that affect human health. The ultimate goal is to reduce health risks related to any environmental exposure. My research focuses on two themes, aiming at two biggest environmental health challenges in Asia nowadays. The first one is **climate change and health adaptation**. The second theme is **urban air pollution** (mainly particulate matters with aerodynamic diameter equal to or less than 2.5 micron, $PM_{2.5}$). For the first theme, under the funding support of Sustainability Science of Academia Sinica, I was leading an integrated project "Integrated Multi-source and High-resolution Heawave Vulnerability Assessment of Taiwan (2015-2017)", with the team comprised with experts of environmental science, information technology, social science and public health. This project focused on heat stress enhanced due to climate change. The first important research outcome was presented in Cheng et al. (2019) which proposed a new approach to selecting proper health-based thresholds for a heat warning system with an appropriate heat-stress indicator, based on records of all-cause mortality, heat related hospital admissions, and heat-related emergency visits in Taiwan. It provided health-based evidences with the aim to establishing an effective heat warning system to reduce health risks on hot days under climate change.

The second research outcome was assessing important urban-design factors of public health as presented in Shen & Lung 2016, 2017, and 2018. We applied partial least squares modeling to analyze the degree to which green structure reduces mortality of cardiopulmonary diseases, taking into account the mediation effects of green space on air pollution and temperature which both affect public health. Its contribution is on providing practical solutions in urban design considering different green structure factors (such as fragmentation) to reduce the health impacts through reduction of air pollution and heat stress. The most important merit of the aforementioned publications is that they go beyond assessing health impacts of climate change; they actually explored potential ways of reducing health risks by implementing proper urban design and establishing effective heat warning system.

For the second theme, under the support of Sustainability Science of Academia Sinica, I am leading an integrated project "Trans-disciplinary $PM_{2.5}$ Exposure Research in Urban Areas for Health-oriented Preventive Strategies (2018-2020)" with a multidisplinary team to assess $PM_{2.5}$ exposure sources and evaluate potential way of reducing exposure and health risks. Using the newly developed low-cost sensors, we assessed the contributions of various community sources to residents' exposure (Lung et al., 2020). Furthermore, based on these results, I am leading an international project "Health Investigation and Air Sensing for Asian Pollution (AI on Hi-ASAP)", with research teams from 10+ countries in Asia. This international collaboration will further raise the visibility and scientific values of our research.

PUBLICATIONS (*: corresponding author, most important papers from 2015 ~ present)

H-Index: 40 (Web of Science ResearcherID: GYD-5623-2022)

https://www.webofscience.com/wos/author/record/GYD-5623-2022

1. **Lung, S. C. C.***; Hu, S. C.; Liu, C. H.; Wen, T. Y. J.; Wang, W. C. V. (2024.12). Assessing 7-year heat-stress exposures and adaptation strategies for children using a real-time monitoring network in Taiwan. *Science of the Total Environment*, 176840. DOI: 10.1016/j.scitotenv.2024.176840. IF: 8.2 and ranking 31/358 = 8.6% (Environmental Sciences)
2. **Lung, S. C. C.***; Yeh, J. C. J.; Hwang, J. S.; Chen, L. S. (2024.12). Diurnal temperature range and cardiopulmonary health in Taiwan: Evaluating impacts, thresholds, and vulnerable groups. *Environmental Research* 263(1), 120083. DOI: 10.1016/j.envres.2024.120083. IF: 7.7 and ranking 15/403 =3.7% (Public, Environmental & Occupational Health)
3. **Lung, S. C. C.***, Tsou, M. C. M., Cheng, C. H. C., Setyawati, W. (2024.05). Peaks, sources, and immediate health impacts of $PM_{2.5}$ and PM_1 exposure in Indonesia and Taiwan with microsensors. *Journal of Exposure Science & Environmental Epidemiology*, DOI: 10.1038/s41370-024-00689-4. IF: 4.1 and ranking 53/403 = 13.1% (Public, Environmental & Occupational Health)
4. **Lung, S. C. C.** (2023.12). Chapter 8, "Global Environment and Climate Change," in the sixth volume of the Contemporary Public Health Series, titled *Environmental and Occupational Health*, editor: Chen, M. L. & Wu, C. F.
5. **Lung, S. C. C.***, Liou, M. L.; Yeh, J. C. J.; Hwang, J. S. (2023.11) A pilot heat-health warning system co-designed for a subtropical city. *PLOS ONE*, 18(11): e0294281. DOI: 10.1371/journal.pone.0294281. IF: 2.9 and ranking 31/134 =23.1%. (Multidisciplinary Sciences)
6. Ngo, T. H. & **Lung, S. C. C.*** (2023.08). Lung Impact of physical and social living environments on pro-environmental intentions. *Scientific Reports*, 13, 14293 (2023). DOI: 10.1038/s41598-023-41372-2. IF: 3.8 and ranking 25/134 =18.6% (Multidisciplinary Sciences)
7. Lee, C. H.; **Lung, S. C. C.***; & Chen, J. P*. (2023.05). Three-dimensional spatial inhomogeneity of traffic-generated urban $PM_{2.5}$ in street canyons. *Atmospheric Pollution Research*, 101748. DOI: 10.1016/j.apr.2023.101748. IF: 3.9 and ranking 120/358 = 33.5% (Environmental Sciences)
8. Shen, Y. S.; **Lung, S. C. C. (co-first)**; Cui, S. H*. (2022.02) Exploring multiple pathways and mediation effects of urban environmental factors for suicide prevention. *Environmental Pollution* 2022, 294. DOI: 10.1016/j.envpol.2021.118642. IF: 7.6 and ranking 37/358 = 10.3 % (Environmental Sciences)
9. **Lung, S. C. C.***; Thi Hien, T.; Cambaliza, M. O. L.; Hlaing, O. M. T.; Oanh, N. T. K.; Latif, M. T.; Lestari, P.; Salam, A.; Lee, S. Y.; Wang, W. C. V.; Tsou, M. C. M.; Cong-Thanh, T.; Cruz, M. T.; Tantrakarnapa, K.; Othman, M.; Roy, S.; Dang, T. N.; Agustian, D. (2022.02) Research priorities of applying low-cost $PM_{2.5}$ sensors in Southeast Asian Countries. *International Journal of Environmental Research and Public Health*, 2022, 19 (3), 1522. DOI: 10.3390/ijerph19031522. IF: 2.468 and ranking 38/164 = 23.1% (Public, Environmental & Occupational Health)
10. **Lung, S. C. C.***, Yeh, J. C. J.; Hwang, J. S. (2021.09) Selecting thresholds of heat-warning systems with substantial enhancement of essential population health outcomes for facilitating implementation. *International Journal of Environmental Research and Public Health*, 18(18), 9506.

DOI: 10.3390/ijerph18189506. IF: 4.614 and ranking 45/182 = 24.7% (Public, Environmental & Occupational Health)

11. **Lung, S. C. C.***; Tsou, M. C. M.; Hu, S. C.; Hsieh, Y. H.; Wang, W. C. V.; Shui, C. K.; Tan, C. H. (2021.05) Concurrent assessment of personal, indoor, and outdoor PM2.5 and PM1 levels and source contributions using novel low-cost sensing devices. *Indoor Air*, 31(3), 755-768. DOI: 10.1111/ina.12763. IF: 4.3 and ranking 47/403= 11.6% (Public, Environmental & Occupational Health)
12. Wang, W. C. V.; **Lung, S. C. C.***; Liu, C. H.; Wen, T. Y. J.; Hu, S. C.; Chen, L. J. (2021.02). Evaluation and application of a novel low-cost wearable sensing device in assessing real-time $PM_{2.5}$ exposure in major Asian transportation modes. *Atmosphere*, 12(2), 270. DOI: 10.3390/atmos12020270. IF: 2.5 and ranking 64/110 =58.1% (Environmental Sciences)
13. **Lung, S. C. C.***; Tsou, M. C. M.; Hu, S. C.; Hsieh, Y. H.; Wang, W. C. V.; Shui, C. K.; Tan, C. H. (2020.12) Concurrent assessment of personal, indoor, and outdoor $PM_{2.5}$ and PM_1 levels and source contributions using novel low-cost sensing devices. *Indoor Air*, 16913006. DOI: 10.1111/ina.12763. IF: 4.3 and ranking 47/403= 11.6% (Public, Environmental & Occupational Health)
14. Chiu, C. H.; **Lung, S. C. C.*** (2020.12) Assessment of low-frequency noise from wind turbines under different weather conditions. *Journal of Environmental Health Science and Engineering*, 478. DOI: 10.1007/s40201-020-00478-9. IF: 3 and ranking 169/358 =47.2% (Environmental Sciences)
15. **Lung, S. C. C.***; Chen, N.; Hwang, J. S. Hu, S.C.; Wang, W. C. V.; Wen, T. Y. J.; Liu, C. H. (2020.11) Panel study using novel sensing devices to assess associations of $PM_{2.5}$ with heart rate variability and exposure sources. *Journal of Exposure Science and Environmental Epidemiology*, 30(6), 937-948. DOI: 10.1038/s41370-020-0254-y. IF: 4.1 and ranking 153/403 =13.1 % (Public, Environmental & Occupational Health)
16. Shen, Y. S.; **Lung, S. C. C.*** (2020.10) Multiple impacts and pathways of urban form and environmental factors on cardiovascular mortality. *Science of the Total Environment*, 738, 139512. DOI: 10.1016/j.scitotenv.2020.139512. IF: 8.2 and ranking 31/358 = 8.6% (Environmental Sciences)
17. **Lung, S. C. C.***; Wang, W. C. V.; Wen, T. Y. J.; Liu, C. H.; Hu, S. C. (2020.05) A versatile low-cost sensing device for assessing PM2.5 spatiotemporal variation and quantifying source contribution. *Science of the Total Environment,* 716, 137145. DOI: 10.1016/j.scitotenv.2020.137145. IF: 8.2 and ranking 31/358 = 8.6% (Environmental Sciences)
18. Cheng, Y. T.; **Lung, S. C. C.***; Hwang, J. S.* (2019.03) New approach to identifying proper thresholds for a heat warning system using health risk increments. *Environmental Research,* (170), 282-292, DOI: 10.1016/j.envres.2018.12.059. IF: 7.7 and ranking 15/403 =3.7% (Public, Environmental & Occupational Health)
19. Wu, C. D.; Zeng, Y. T.; **Lung, S. C. C.*** (2018.12) A hybrid kriging/land-use regression model to assess $PM_{2.5}$ spatial-temporal variability. *Science of the Total Environment,* (645), 1456-1464, DOI: 10.1016/j.scitotenv.2018.07.073. IF: 8.2 and ranking 31/358 = 8.6% (Environmental

Sciences)

20. Hsu, C. Y.; Wu, C. D.; Hsiao, Y. P.; Chen, Y. C.; Chen, M. J.; **Lung, S. C. C.*** (2018.12). Developing land-use regression models to estimate $PM_{2.5}$-bound compound concentrations. *Remote Sensing*. (10)2, 1971. DOI: 10.3390/rs10121971. IF: 4.2 and ranking 34/253 =13.4.9% (Geosciences, Multidisciplinary)
21. **Lung, S. C. C**; Chou, S. W.; Chen J. P.; Wen, P. C.; Su, H. J. J.; Tsai, I. C.; Shen, Y. S. (2018.11) Science plan of "climate change and health adaptation". *Journal of Taiwan Land Research*, 21(2), 209-239. DOI：10.6677/JTLR.2018.21.02. (TSSCI) (in Chinese)
22. Shen, Y. S.; **Lung, S. C. C.*** (2018.08) Identifying critical green structure characteristics for reducing the suicide rate. *Urban Forestry & Urban Greening journal* (34),147-153. DOI: 10.1016/j.ufug.2018.06.005. IF: 6 and ranking 2/89 =2.2% (Forestry)
23. Tung, J. C.; Huang, W. C.; Yang, J. C.; Chen, G. Y.; Fan, C. C.; Chien, Y. C.; Lin, P. S.; **Lung, S. C. C.*** and Chang, W. C.* (2017.11) Auramine O, an incense smoke ingredient, promotes lung cancer malignancy. *Environmental Toxicology*, 32(11), 2379-2391. DOI: 10.1002/tox.22451. IF: 4.4 and ranking 18/106=16.9% (Toxicology)
24. Wu, C. D.; Chen, Y. C.; Pan, W. C.; Zeng, Y. T.; Chen, M. J.; Guo, Y. L. & **Lung, S. C. C.*** (2017.05). Land-use regression with long-term satellite-based greenness index and culture-specific sources to model $PM_{2.5}$ spatial-temporal variability. *Environmental Pollution*, 224, 148-157. DOI: 10.1016/j.envpol.2017.01.074. IF: 7.6 and ranking 37/358 = 10.3% (Environmental Sciences)
25. Shen, Y. S. and **Lung, S. C. C.*** (2017.02) Mediation pathways and effects of green structures on respiratory mortality via reducing air pollution. *Scientific Reports*, 7, 42854. DOI: 10.1038/srep42854. IF: 3.8 and ranking 25/134 =18.6% (Multidisciplinary Sciences)
26. Shen, Y. S. **Lung, S. C. C.*** (2016.10). Can green structure reduce the mortality of cardiovascular diseases? *Science of The Total Environment*, 566-567, 1159-1167. DOI: 10.1016/j.scitotenv.2016.05.159. IF: 8.2 and ranking 31/358 = 8.6% (Environmental Sciences)
27. Wu, C. D. and **Lung, S. C. C.*** (2016.04) Application of 3-D Urbanization Index to assess impact of urbanization on air temperature. *Scientific Reports*, 6, 24351. DOI: 10.1038/srep24351. IF: 3.8 and ranking 25/134 =18.6% (Multidisciplinary Sciences)
28. **Lung, S. C. C.*** and Liu, C. H. (2015.08). Fast analysis of 29 polycyclic aromatic hydrocarbons (PAHs) and nitro-PAHs with ultra-high performance liquid chromatography-atmospheric pressure photoionization-tandem mass spectrometry. *Scientific Reports*, 5, 12992. DOI: 10.1038/srep12992. IF: 3.8 and ranking 25/134 =18.6% (Multidisciplinary Sciences)

Book Chapter/Dissertation/Thesis:

Chen, C.Y. and **Lung, S.C.C.** (2017.06) Pilot study of heat-stress exposure sensing and heat-warning system for workers in outdoor high-temperature workplace. *Occupational Safety and Health*, Published by Institute of Labor, Ministry of Labor, ISBN13：9789860529784. (in Chinese)

Lung, S.C.C., Preface titled "*Can't Live Without Water*: Everything Starts with Water Conservation." For the Book "*Can't Live Without Water: 101 Ideas to Save Money and Love the Earth!* " Craig Madden and Amy Carmichael; translated by Chia-Wen Chan; published by Mountain Press, October, 2009.

OTHERS

Plenary or Invited Speeches Given in the International Conferences (from 2017 ~ present):

1. Lung, S.C.C. (2025). "Source evaluation, personal exposure assessment, and epidemiological analysis in Asia using research-grade low-cost PM sensors", The 2025 Air Sensors International Conference (ASIC), Bangkok, Thailand, May 19-22, 2025
2. Lung, S.C.C. (2025). "Evaluating contributions of community and indoor PM sources, assessing personal PM exposure, and conducting panel-type epidemiological studies in Asia with research-grade low-cost sensors", The EGU General Assembly, Vienna, April 27 – May 2, 2025
3. Lung, S.C.C. (2024). "Exploring the Interplay of Extreme Heat, Heat Waves, and Urban Heat Islands on Public Health: Vulnerability, Impacts, Adaptation, and Mitigation Strategies", American Geophysical Union Fall Meeting (AGU), Washington, D.C, USA, December 9-13, 2024. (Session chair)
4. Lung, S.C.C. (2024). "Application of research-grade low-cost sensors in PM2.5 and health research", The 10th Theory and Technique - The 1st Indonesian Aerosol Association Conference 2024, Bandung, Indonesia, August 2-4, 2024.
5. Lung, S.C.C. (2024). "The urgency of heat-health warning systems in Asia", International Symposium on Global Environmental Health Alliance, Seoul, Korea, June 28-29, 2024.
6. Lung, S.C.C. (2024). How can we design effective science-policy interface? learning from the best practices and experiences from Future Earth's National Committees. 2024 Sustainability Research and Innovation Congress (SRI2024), Helsinki, Finland, June 10-14, 2024.
7. Lung, S.C.C. (2023). "The Hot Topic: Navigating Urban Heat and Health Equity in and Outside The Home", Symposium 18. 35th Annual Conference of the International Society for Environmental Epidemiology (ISEE), Kaohsiung, Taiwan, September 17-21, 2023 (Symposium chair)
8. Lung, S.C.C. (2023). "Heat Exposure and Health (2)". 35th Annual Conference of the International Society for Environmental Epidemiology (ISEE), Kaohsiung, Taiwan, September 17-21, 2023 (Session chair)
9. Lung, S.C.C. (2023). Transdisciplinary collaboration on establishing a heat-health warning system. The 2023 CoCareSociety Project Meeting, organized by Climate Service Center Germany (GERICS), Tokyo, Japan, July 13-19, 2023.
10. Lung, S.C.C. (2023). Health and Well-Being in an Era of Rapid Global Change. The 2023 Sustainability Research and Innovation Congress (SRI2023), Panama, June 24-30, 2023
11. Lung, S.C.C. (2023). "Heat waves, ageing society, energy efficiency, and climate change: what risks are ahead of us?", 2023: Brown Bag Seminar: Heat-wave day. The 2023 CoCareSociety Project Meeting, Kick-off, and Stakeholder Workshop. organized by Climate Service Center Germany (GERICS), Hamburg, Germany, May 25-30, 2023
12. Lung, S.C.C. (2023). Learning from transdisciplinary research to deal with extremes. The 2023 CoCareSociety Project Meeting, Kick-off, and Stakeholder Workshop. organized by Climate Service Center Germany (GERICS), Hamburg, Germany, May 25-30, 2023Lung, S.C.C. (2022). "The status of promoting Future Earth in Taiwan", Scientific and Strategic Experience in Leading Sustainability Science in Taiwan – Development and Opportunities for Transdisciplinary

Research. Sustainability Research and Innovation Congress (SRI2022), Online, June 20-24, 2022

13. Lung, S.C.C. (2022). Belmont Forum Members Meeting I&II. The 2022 Sustainability Research and Innovation Congress (SRI2022), Online, June 20-24, 2022
14. Lung, S.C.C. (2022). Special Symposium- Sustainability/Climate Change. The 12th Asian Aerosol Conference (AAC), Online, June 12-16, 2022 (Session chair)
15. Lung, S.C.C. (2021). Evaluating peak PM2.5, source contributions, and health impacts with research-grade low-cost sensors. The 2021 1st Asian Female Aerosol Scientists Online Forum: Climate Actions and Clean Air for Heath, organized by the Taiwan Association for Aerosol Resaerch for 2022 Asian Aerosol Research Assembly, November 27, 2021 (keynote speaker)
16. Lung, S.C.C. (2021). Transdisciplinary research on heat-health warning System. The Climate Service Center Germany (GERICS) Online Colloquium: Our Future in a Changing Climate, Online, organized by the GERICS, May 12, 2021
17. Lung, S.C.C. (2019). 2019 Taiwan Geosciences Assembly, "Proposing a Practical Health-based Heat Warning System", held by Taiwan Geosciences Association, Taipei, May, 14-15, 2019. **(Invited speaker)**
18. Lung, S.C.C. (2019). 23rd IUHPE World Conference on Health Promotion, "Health Literacy for Outdoor Workers on Heat Stress in Taiwan", held by International Union for Health Promotion and Education (IUHPE), Rotorua, Aotearoa New Zealand, April, 7-11, 2019. **(Invited speaker)**
19. Lung, S.C.C. (2018). Future Earth session, The 18th Science Council of Asia Conference (SCA), "Future Earth in Taiwan", held by Science Council of Japan (SCJ), Tokyo, Japan, December, 5-7, 2018. **(Invited plenary speaker)**
20. Lung, S.C.C. (2018). Global Land Program 2018 Asia Conference "Transitioning to sustainable development of land systems through teleconnections and telecouplings" held by Future Earth Global Land Project, Taipei, September 3-5, 2018. **(Invited plenary speaker)**
21. Lung, S.C.C. (2017). 2017 Asia Oceania Geosciences Society (AOGS) Conference, Asian Perspectives, Research Priorities, and Capacity Building Focus of Future Earth Activities in Taiwan. Invited presentation at the AOGS 14th Annual Meeting, organized by Asia Oceania Geosciences Society (AOGS), Singapore, August 6-11, 2017. Presentation day: August 10, 2017. **(Invited speaker)**
22. Lung, S.C.C. (2017). Asian Culture-related Air Pollution Sources and Health Implications. Invited presentation at the 17th Conference of the Science Council of Asia, organized by Science Council of Asia (SCA), Manila, Philippines, June 14-16, 2017. Presentation day: June 16, 2017. **(Invited plenary speaker)**
29. Lung, S.C.C. (2017). Co-benefit Thinking to Link Atmospheric Chemistry Research to Pollution-Reduction Policy. Invited presentation at the third Workshop on Atmospheric Composition and the Asian Monsoon (ACAM), Guangzhou, China, June 5-9, 2017. Presentation day: June 6, 2017. **(Invited plenary speaker)**