

Table S2: Summary of the studies used in the systematic review. Note: NR (Not Indicated) shows studies that did not indicate the method used and DOI.

Code	Authors	Year	Title	Focus	Outcome	Spatial dimension	Country	Method used	Main concern	Specific concern addressed	DOI
1	Marchettini, N., Pulselli, F. M., Tiezzi, E.	2005	Sources and sinks: emission and absorption of greenhouse gas, a case study in Italy	Adaptation	Recommendation	Local	Sienna, Italy	IPCC methodology	Air quality	Pollution-GHG	*NR
2	Vellinga, P., Klein, R. J. T.	1993	Climate change, sea level rise and integrated coastal zone management: An IPCC approach	Adaptation	Recommendations	Global		IPCC methodology	Sea level rise/flooding	Vulnerability to sea level rise	10.1016/0964-5691(93)90029-X
5	Garg, A., Shukla, P. R., Bhattacharya, S., Dadhwal, V. K.	2001	Sub-region (district) and sector level SO ₂ and NO(x) emissions for India: Assessment of inventories and mitigation flexibility	Mitigation	Recommendations	National	South India	IPCC methodology	Air quality	Pollution- SO ₂ and NO _x	10.1016/S1352-2310(00)00316-2
6	van Luijelaar, H., Dirkszwaiger, A. H.	2002	Quickscan climatic change and urban drainage	Adaptation	Recommendations	National	Netherlands	Scenarios/projections	Socio-economic	Urban drainage systems	10.1061/40644(2002)246
7	Sanderson, J., Islam, S. M. N.	2003	Economic development and climate change in Southeast Asia: The SEADICE model and its forecasts for growth prospects and policy strategies	Adaptation	Recommendations	International	Southeast Asian countries	Model	Socio-economic	Economic growth	10.1504/IJGE NVI.2003.004149
8	Semadeni-Davies, A.	2003	Response surfaces for climate change impact assessments in urban areas	Mitigation	Recommendations	National	Sweden	Model	Socio-economic	Wastewater inflows	10.2166/wst.2003.0518

9	Wilbanks, T. J., Kane, S. M., Leiby, P. N., Perlack, R. D., Settle, C., Shogren, J. F., Smith, J. B.	2006	Possible Responses to Global Climate Change: Integrating Mitigation and Adaptation	Both adaptation and mitigation adaptation and mitigation	Recommendations	Local	Cochin, India	*NR	Socio-economic	Climate change response	10.1080/00139150309604547
13	Reginster, I., Rounsevell, M.	2006	Scenarios of future urban land use in Europe	Adaptation	Recommendations	International	All European countries	Scenarios/projections	Socio-economic	Future land use in Europe	10.1068/b31079
15	Shukla, P. R., Garg, A., Kapshe, M., Nair, R.	2006	India's non-CO2 GHG emissions: Development pathways and mitigation flexibility	Mitigation	Recommendations	National	India	IPCC methodology	Air quality	Outdoor pollution-CH4 and NO2	10.5547/issn0195-6574-ej-volsi2006-nosi3-24
17	Gruebler, A., O'Neill, B., Riahi, K., Chirkov, V., Goujon, A., Kolp, P., Prommer, I., Scherbov, S., Slentoe, E.	2007	Regional, national, and spatially explicit scenarios of demographic and economic change based on SRES	Adaptation	Recommendations	Local	Mokpo, Korea	IPCC methodology	Socio-economic	Climate change vulnerability	10.1016/j.techfore.2006.05.023
18	Hunt, J. C. R., Maslin, M., Killeen, T., Backlund, P., Schellnhuber, H. J.	2007	Introduction. Climate change and urban areas: research dialogue in a policy framework	Mitigation	Recommendations	Global		*NR	Socio-economic	Future of the world's climate	10.1098/rsta.2007.2089
21	Pizzigallo, A. C. I., Pulselli, R. M., Marchettini, N.	2007	The greenhouse gas inventory of a local urban transport: The case of the municipality of Siena (Italy)	Adaptation	Recommendations	Global		*NR	Socio-economic	Megacity urbanization	10.2495/UT070011
22	Barredo, J., Gómez, M. D.	2008	Towards a set of IPCC SRES urban land use scenarios: modelling urban land use in the Madrid region	Mitigation	Recommendations	International	China, U.S.A, Brazil, India	Scenarios/projections	Extreme temperature	Heat fluxes	10.1007/978-3-540-68498-5_14

23	Cruz-Nunez, X., Conde, L., Ruiz-Suarez, L. G.	2008	Use of IPCC GHG key sources analysis to Mexico's environmental policy	Both adaptation and mitigation	Recommendations	International	Los Angeles, Athens, Qinhuangdao, Toronto, Adelaide, Montreal, Milan, San Francisco, Campbelltown, Venice, Baton Rouge	*NR	Socio-economic	Landscaping activities	10.1007/s11027-007-9085-6
25	Jenkins, D., Liu, Y., Peacock, A. D.	2008	Climatic and internal factors affecting future UK office heating and cooling energy consumptions	Adaptation	Recommendations	Global		*NR	Socio-economic	Urban resilience	10.1016/j.enbuid.2007.06.006
27	Manojlovic, N., Pasche, E.	2008	Integration of resiliency measures into flood risk management concepts of communities	Mitigation	Recommendations	Global		*NR	Socio-economic	Climate and energy policies	10.2495/FRIAR080231
30	Ramaswami, A. Hillman, T., Janson, B., Reiner, M., Thomas, G.	2008	A demand-centered, hybrid life-cycle methodology for city-scale greenhouse gas inventories	Both adaptation and mitigation	Recommendations	National	Ecuador	IPCC methodology	Socio-economic	Residential houses	10.1021/es702992q
34	Barton, J. R.	2009	Adaptation to climate change in city-regional planning	Adaptation	Recommendations	Local	Santiago, Chile	*NR	Socio-economic	Citi-regional planning	*NR
35	Chung, U., Jung, J.-E., Seo, H.-C., Yun, J. I.	2009	Using urban effect corrected temperature data and a tree	Adaptation	Recommendations	Local	Castilla y León, Spain	Scenarios/projections	Socio-economic	Repercussions of climate change	10.1007/s10584-008-9504-z

			phenology model to project geographical shift of cherry flowering date in South Korea								
36	Cope, M., Lee, S., Physick, B., Abbs, D., Nguyen, K., McGregor, J.	2009	A Methodology for Determining the Impact of Climate Change on Ozone Level in an Urban Area	Adaptation	Recommendations	Local	Sydney, Australia	*NR	Health	Ozone impact on human health	*NR
37	Franck, T.	2009	Coastal adaptation and economic tipping points	Adaptation	Recommendations	Local	Gulf coast communities- USA	Model	Sea level rise/flooding	Sea level rise	10.1108/14777830910963762
40	Knol, A. B., de Hartog, J. J., Boogaard, H., Slottje, P., van der Sluijs, J. P., Lebre, E., Cassee, F. R., Wardekker, A., Ayres, J. G., Borm, P. J., Brunekreef, B., Donaldson, K., Forastiere, F., Holgate, S. T., Kreyling, W. G., Nemery, B., Pekkanen, J., Stone, V., Wichmann, H. E., Hoek, G.	2009	Expert elicitation on ultrafine particles: likelihood of health effects and causal pathways	Adaptation	Recommendations	International		Survey and participatory	Health	Mortality and morbidity	10.1186/1743-8977-6-19
42	Moeslund, J. E., Bocher, P. K., Svenning, J. -C., Molhave, T., Arge, L.	2009	Impacts of 21(st) century sea-level rise on a Danish major city - an assessment based on fine-resolution digital	Adaptation	Recommendations	Local	Aarhus, Denmark	Model	Sea level rise/flooding	Flooding	10.1088/1755-1315/8/1/012022

			topography and a new flooding algorithm								
44	Norman, B.	2009	Principles for an intergovernmental agreement for coastal planning and climate change in Australia	Adaptation	Recommendations	National	Australia	*NR	Socio-economic	Coastal urbanization	10.1016/j.habitatint.2008.10.002
45	Øyen, C. F., Nielsen, S. B.	2009	Management Tools for Sustainable and Adaptive Building Design	Adaptation	Recommendations	National	Norway	*NR	Socio-economic	Building designs	10.1002/9781444312195.ch7
48	Salleh, K. O.	2009	Climate insecurity: The challenge for Malaysia and the developing countries of southeast Asia	Adaptation	Recommendations	International	Malaysia and other developing countries	*NR	Socio-economic	Poverty	*NR
51	Ward, P. J., van Balen, R. T., Verstraeten, G., Renssen, H., Vandenberghe, J.	2009	The impact of land use and climate change on late Holocene and future suspended sediment yield of the Meuse catchment	Mitigation	Recommendations	Local	Meuse, France	Scenarios/projections	Socio-economic	Land use	10.1016/j.geomorph.2008.07.006
52	Aylett, A.	2010	Conflict, Collaboration and Climate Change: Participatory Democracy and Urban Environmental Struggles in Durban, South Africa	Adaptation	Recommendations	Local	Durban, South Africa	*NR	Socio-economic	Participatory democracy and urban environmental struggles	10.1111/j.1468-2427.2010.00964.x
53	Gober, P., Kirkwood, C. W., Balling, R. C., Ellis, A. W., Deitrick, S.	2010	Water Planning Under Climatic Uncertainty in Phoenix: Why We Need a New Paradigm	Adaptation	Recommendations	Local	Phoenix, USA	Scenarios/projections	Water supply/drought	Water supply and demand	10.1080/00045601003595420
54	Guo, R., Zhu, Q., Cao, X., Ren, Z., Li, F., Pradhan, M.	2010	GIS-based carbon balance assessment and its application in Shanghai	Mitigation	Recommendations	Local	Shanghai, China	IPCC methodology	Air quality	Pollution-CO2	10.1063/1.3456325

55	Hansen, H. S.	2010	Modelling the future coastal zone urban development as implied by the IPCC SRES and assessing the impact from sea level rise	Adaptation	Recommendations	Global		Scenarios/projections	Sea level rise/flooding	Sea level rise	10.1016/j.lan durplan.201 0.08.018
58	Kang, H., 유가영, 박성우, 정동기, 황진환	2010	Development and Application of a Methodology for Climate Change Vulnerability Assessment -Sea Level Rise Impact on a Coastal City	Adaptation	Recommendations	Local	Mokpo, Korea	IPCC methodology	Sea level rise/flooding	Sea level rise	*NR
59	Kennedy, C., Steinberger, J., Gasson, B., Hansen, Y., Hillman, T., Havranek, M., Pataki, D., Phdungsilp, A., Ramaswami, A., Villalba Mendez, G.	2010	Methodology for inventorying greenhouse gas emissions from global cities	Mitigation	Recommendations	International	Los Angeles County, Denver City and County, Greater Toronto, New York City, Greater London, Geneva Canton, Greater Prague, Barcelona, Cape Town and Bangkok	Scenarios/projections	Air quality	Pollution	10.1016/j.enp ol.2009.08.05 0

60	Lee, K. H., Levermore, G. J.,	2010	Weather data for future climate change for South Korean building design: Analysis for trends	Mitigation	Recommendations	National	Seoul and Ulsan, South Korea	Model	Extreme temperatures	Heat and cold	10.3763/asre.2008.0055
61	Ma, C., Ju, M.-t., Zhang, X.-c., Li, H.-y.	2010	Energy consumption and carbon emissions in a coastal city in China	Mitigation	Recommendations	Local	Tianjin, China	IPCC methodology	Socio-economic	Energy consumption	10.1016/j.proenv.2011.03.001
64	Mortsch, L. D.	2010	Multiple Dimensions of Vulnerability and Its Influence on Adaptation Planning and Decision Making	Adaptation	Recommendations	Local	London, Ontario, Canada	Scenarios/projections	Sea level rise/flooding	Flooding	10.1007/978-94-007-1770-1_5
65	Muthers, S., Matzarakis, A., Koch, E.	2010	Climate Change and Mortality in Vienna-A Human Biometeorological Analysis Based on Regional Climate Modeling	Adaptation	Recommendations	Local	Vienna, Austria	Model	Health	Mortality	10.3390/ijerph7072965
67	New York City Panel on Climate, C.	2010	Adaptation assessment guidebook New York City Panel on Climate Change	Adaptation	Recommendations	Local	New York City, USA	*NR	Socio-economic	Planning	10.1111/j.1749-6632.2010.05324.x
68	O'Neill, M. S., Jackman, D. K., Wyman, M., Manarolla, X., Gronlund, C. J., Brown, D. G., Brines, S. J., Schwartz, J., Diez-Roux, A. V.	2010	US local action on heat and health: are we prepared for climate change?	Adaptation	Recommendations	National	285 US communities	Survey and participatory	Extreme temperature	Heat	10.1007/s00038-009-0071-5
70	Rosenzweig, C., Solecki, W., New	2010	Introduction to Climate Change Adaptation in New York City: Building	Adaptation	Recommendations	Local	New York City, USA	*NR	Socio-economic	Risk management response	10.1111/j.1749-

	York City Panel on Climate, C.		a Risk Management Response								6632.2009.05306.x
71	Shrotriya, V., Smout, L.	2010	GHG emissions: An assessment at municipal solid waste disposal site in Indore, India	Mitigation	Recommendations	Local	Indore, India	Scenarios/projections	Socio-economic	Solid waste management	10.1504/IJET M.2010.038014
72	Vano, J. A., Voisin, N., Cuo, L., Hamlet, A. F., Elsner, M. M., Palmer, R. N., Polebitski, A., Lettenmaier, D. P.	2010	Climate change impacts on water management in the Puget Sound region, Washington State, USA	Adaptation	Recommendations	National	Everett, Seattle, and Tacoma	Scenarios/projections	Socio-economic	Water management	10.1007/s10584-010-9846-1
73	Wilder, M., Scott, C. A., Pablos, N. P., Varady, R. G., Garfin, G. M., McEvoy, J.	2010	Adapting across boundaries: Climate change, social learning, and resilience in the U.S.-Mexico border region	Adaptation	Specific evidence (shared social learning, the formation of binational "communities of practice" among water managers or disaster-relief planners, and the coproduc	Local	Arizona, USA	*NR	Socio-economic	Building adaptive capacity	10.1080/00045608.2010.500235

					tion of climate knowledge)						
74	Xie, Z. Q., Du, Y., Zeng, Y., Yan, M. L., Zhu, C. Y.	2010	Accelerated human activities affecting the spatial pattern of temperature in the Yangtze River Delta	Adaptation	Recommendations	Local	Zigzag, China	Scenarios/projections	Socio-economic	Urbanization	10.1016/j.quaint.2010.04.027
75	Yohe, G., Leichenko, R., New York City Panel on Climate, C.	2010	Adopting a risk-based approach	Both adaptation and mitigation	Recommendations	Local	New York City, USA	*NR	Socio-economic	Risk management response	10.1111/j.1749-6632.2009.05310.x
76	Baccini, M., Kosatsky, T., Analitis, A., Anderson, H. R., D'Ovidio, M., Menne, B., Michelozzi, P., Biggeri, A., Kirchmayer, U., de'Donato, F., D'Ovidio, M., D'Ippoliti, D., Marino, C., McGregor, G., Accetta, G., Katsouyanni, K., Kassomenos, P., Sunyer, J., Atkinson, R., Medina, S., Paldy, A., Bisanti, L., Cadum, G., Kriz, B., Hojs, A.,	2011	Impact of heat on mortality in 15 European cities: Attributable deaths under different weather scenarios	Mitigation	Recommendations	International	Athens, Barcelona, Budapest, Dublin, Helsinki, Ljubljana, London, Milan, Paris, Prague, Rome, Stockholm, Turin, Valencia and Zurich	Model	Health	Mortality	10.1136/jech.2008.085639

	Clancy, L., Goodman, P., Forsberg, B., Pekkanen, J., Woityniak, B., Jolliffe, I., Jendritzky, G., Blazejczyk, K., Huth, R., Cegnar, T., Schindler, C., Ballester, F., Monceau, GKalkstein, ., L. S., the P. C. G.										
77	Brooks, N.	2011	Human responses to climatically-driven landscape change and resource scarcity: Learning from the past and planning for the future	Mitigation	Recommendations	Global		*NR	Socio-economic	Resource scarcity	10.1007/978-90-481-9413-1_4
81	Galvão, C. O., Oishi, S., Nóbrega, R. L. B., Dantas, M. S.	2011	Rainwater catchment systems under climate change: An assessment of Brazilian and Japanese cases	Adaptation	Recommendations	International	Brazil, Japan	Model	Water supply/drought	Water supply	*NR
82	Garg, A., Kankal, B., Shukla, P. R.	2011	Methane emissions in India: Sub-regional and sectoral trends	Mitigation	Recommendations	National	India	Scenarios/projections	Air quality	Pollution-CO2	10.1016/j.atmosenv.2011.06.004
83	Geng, Y., Peng, C., Tian, M.	2011	Energy use and CO2 emission inventories in the four municipalities of China	Mitigation	Recommendations	National	Beijing, Shanghai, Tianjin, and Chongqing (China)	IPCC methodology	Socio-economic	Energy consumption	10.1016/j.egypro.2011.03.063

84	Geng, Y., Tian, M., Zhu, Q., Zhang, J., Peng, C.	2011	Quantification of provincial-level carbon emissions from energy consumption in China	Mitigation	Recommendations	National	China	IPCC methodology	Socio-economic	Energy consumption	10.1016/j.rser.2011.07.005
86	Hoang, V. H.	2011	Housing and climate change: Adaptation strategies in Vietnam	Adaptation	Recommendations	National	Vietnam	*NR	Socio-economic	Housing	10.1007/978-90-481-9867-2_10
87	Jiang, L., Hardee, K.	2011	How do Recent Population Trends Matter to Climate Change?	Adaptation	Recommendations	Global		Scenarios/projections	Socio-economic	Family planning	10.1007/s11113-010-9189-7
89	Li, Y., Guo, T., Li, P.	2011	Study on Ecological Footprint Calculation of Beijing's Urban Domestic Garbage	Mitigation	Recommendations	Local	Beijing, China	IPCC methodology	Socio-economic	Urban domestic waste	10.4028/www.scientific.net/AMR.356-360.756
90	McLaughlin, B. J., Murrell, S. D., DesRoches, S.	2011	Case study: Assessment of the vulnerability of Port Authority of NY & NJ facilities to the impacts of climate change	Adaptation	Recommendations	National	New York, New Jersey, USA	*NR	Socio-economic	Port vulnerability	10.1061/41167(398)92
91	Ostro, B., Rauch, S., Green, S.	2011	Quantifying the health impacts of future changes in temperature in California	Mitigation	Recommendations	Local	California	Scenarios/projections	Health	Mortality and morbidity	10.1016/j.envres.2011.08.013
92	Pandve, H. T., Chawla, P. S., Fernandez, K., Singru, S. A., Khismatrao, D., Pawar, S.	2011	Assessment of awareness regarding climate change in an urban community	Mitigation	Recommendations	Local	Pune, India	Survey and participatory	Socio-economic	Climate change awareness	10.4103/0019-5278.93200
93	Pandve, H. T., Raut, A.	2011	Assessment of awareness regarding climate change and its health hazards	Mitigation	Recommendations	Local	Pune, India	Descriptive statistics	Socio-economic	Climate change awareness	10.4103/0019-5278.82999

			among the medical students								
94	Park, S., Jin, C., Choi, C.	2011	Predicting soil erosion under land-cover area and climate changes using the revised universal Soil loss equation	Mitigation	Recommendations	National	South Korea	Scenarios/projections	Socio-economic	Soil erosion	10.1117/12.896325
96	Roño, R. A., Ajero, M., Punte, S.	2011	Air quality and climate change in Asia: Making co-benefits work	Mitigation	Recommendations	International	Asia	*NR	Air quality	Pollution-CO2	*NR
97	Sanstad, A. H., Johnson, H., Goldstein, N., Franco, G.	2011	Projecting long-run socioeconomic and demographic trends in California under the SRES A2 and B1 scenarios	Adaptation	Recommendations	National	California State, USA	Scenarios/projections	Socio-economic	Population, urbanization patterns, economic growth, and electricity prices	10.1007/s10584-011-0296-1
99	Shin, S., Tae, S., Lee, B.	2011	Estimate of the carbon dioxide uptake by the urban green space for a carbon-neutral Sejong city in Korea	Mitigation	Specific evidence (urban green space)	Local	Sejong, Korea	IPCC methodology	Air quality	Pollution-CO2	10.5390/SUSB.2011.2.1.007
101	Smith, J. B., Strzepek, K. M., Cardini, J., Castaneda, M., Holland, J., Quiroz, C., Wigley, T. M. L., Herrero, J., Hearne, P., Furlow, J.	2011	Coping with climate variability and climate change in La Ceiba, Honduras	Mitigation	Recommendations	Local	La Ceiba, Honduras	Survey and participatory	Sea level rise/flooding	Flooding	10.1007/s10584-011-0161-2
104	Traill, L. W., Perhans, K., Lovelock, C. E., Prohaska, A., McFallan, SRhodes,	2011	Managing for change: Wetland transitions under sea-level rise and outcomes for threatened species	Mitigation	Recommendations	Local	Queensland, Australia	Model	Sea level rise/flooding	Sea level rise	10.1111/j.1472-4642.2011.00807.x

	, J. R., Wilson, K. A.										
105	Wilson, C. O., Weng, Q.	2011	Simulating the impacts of future land use and climate changes on surface water quality in the Des Plaines River watershed, Chicago Metropolitan Statistical Area, Illinois	Mitigation	Recommendations	Local	Chicago, USA	Model	Water supply/drought	Water quality	10.1016/j.scitotenv.2011.07.001
106	Ye, W., Li, Y.	2011	A method of applying daily GCM outputs in assessing climate change impact on multiple day extreme precipitation for Brisbane River Catchment	Adaptation	Recommendations	Local	Brisbane, Australia	Scenarios/projections	Sea level rise/flooding	Flooding	*NR
107	Yoo, G., Hwang, J. H., Choi, C.	2011	Development and application of a methodology for vulnerability assessment of climate change in coastal cities	Adaptation	Recommendations	Local	Busan, South Korea	Scenarios/projections	Socio-economic	Vulnerability	10.1016/j.oceanaman.2011.04.001
108	Zhang, J., Zhao, J., Jia, S., Li, Q., Liu, S.	2011	A method to estimate the spatial distribution of transport carbon emissions in Shanghai	Mitigation	Recommendations	Local	Shanghai, China	Model	Air quality	Outdoor pollution	10.1109/Geoinformatics.2011.5980965
109	Zhang, J. Y., Zhang, Y., Yang, Z. F., Li, S. S.	2011	An Estimation and Factor Decomposition Analysis of Energy-related Carbon Emissions in Beijing	Mitigation	Recommendations	Local	Beijing, China	Model	Socio-economic	Energy related carbon emission	10.1016/j.proenv.2012.01.152
110	Adachi, S. A., Kimura, F., Kusaka, H., Inoue, T. Ueda, H.	2012	Comparison of the impact of global climate changes and urbanization on	Mitigation	Recommendations	Local	Tokyo metropolitan area	Scenarios/projections	Extreme temperature	Urban heat island intensity	10.1029/2010GL042518

			summertime future climate in the Tokyo metropolitan area								
111	Bhuiyan, M. J. A. N., Dutta, D.	2012	Assessing impacts of sea level rise on river salinity in the Gorai river network, Bangladesh	Adaptation	Recommendations	Local	Gorai, Bangladesh	Model	Sea level rise/flooding	Sea level rise	10.1016/j.ecss.2011.11.005
112	Bormann, H., Ahlhorn, F., Klenke, T.	2012	Adaptation of water management to regional climate change in a coastal region - Hydrological change vs. community perception and strategies	Adaptation	Recommendations	Local	Wesermarsch County, Germany	Survey and participatory	Socio-economic	Water management	10.1016/j.jhydrol.2012.05.063
113	Henderson-Sellers, A., McGuffie, K.	2012	The Future of the World's Climate	Mitigation	Recommendations	Global		*NR	Socio-economic	Future of the world's climate	10.1016/C2010-0-67318-4
115	Kii, M., Doi, K.	2012	Projecting global urbanization and the growth of megacities	Mitigation	Recommendations	Global		Model	Socio-economic	Urbanization	10.1108/S2044-9941(2012)000003004
116	Markus, M., Wuebbles, D. J., Liang, X. Z., Hayhoe, K., Kristovich, D. A. R.	2012	Diagnostic analysis of future climate scenarios applied to urban flooding in the Chicago metropolitan area	Adaptation	Recommendations	Local	Chicago, USA	Scenarios/projections	Sea level rise/flooding	Flooding	10.1007/s10584-011-0172-z
117	Pauliuk, S., Dhaniati, N. M. A., Muller, D. B.	2012	Reconciling Sectoral Abatement Strategies with Global Climate Targets: The Case of the Chinese Passenger Vehicle Fleet	Mitigation	Recommendations	National	China	Scenarios/projections	Air quality	Pollution-CO2	10.1021/es201799k

118	Rivas, I., Güitrón, A., Montero, M.	2012	Hydrologic vulnerability to climate change of the Lerma-Chapala Basin, Mexico	Adaptation	Recommendations	Local	Lerma, Mexico	Scenarios/projections	Water supply/drought	Water quality issues	10.2495/ST110271
119	Roehl, E. A., Daamen, R. C., Cook, J. B.	2012	Estimating salinity effects due to climate change on the Georgia and South Carolina Coasts: Poster session at WQTC 2012, Toronto, ON	Adaptation	Recommendations	National	Georgia, South Carolina-USA	Models	Sea level rise/flooding	Sea salinity	*NR
120	Schlobinski, S., Gidhagen, L., Olsson, J., Frysinger, S., Denzer, R., Kutschera, P.	2012	Integration of climate change effects in local models and urban planning processes	Adaptation	Recommendations	International	Stockholm, Wuppertal, Linz and Prague	Scenarios/projections	Socio-economic	Urban planning	*NR
123	Tromeur, E., Ménard, R., Bailly, J. B., Soulié, C.	2012	Urban vulnerability and resilience within the context of climate change	Mitigation	Recommendations	Local	Paris, France	Scenarios/projections	Extreme temperature	Heat	10.5194/nhes-12-1811-2012
128	Dasgupta, S., Gosain, A. K., Rao, S., Roy, S., Sarraf, M.	2013	A megacity in a changing climate: The case of Kolkata	Adaptation	Recommendations	Local	Kolkata, India	Model	Sea level rise/flooding	Flooding	10.1007/s10584-012-0516-3
129	Dienst, C., Schneider, C., Xia, C., Saurat, M., Fischer, T., Vallentin, D.	2013	On track to become a low carbon future city? First findings of the integrated status quo and trends assessment of the pilot city of Wuxi in China	Adaptation	Recommendations	Local	Wuxi, China	Scenarios/projections	Air quality	Pollution-CO2	10.3390/su5083224
130	Fong, K. F.	2013	Solar hybrid air-conditioning design for buildings in hot and humid climates	Mitigation	Recommendations	International	Bangkok, Guangzhou, Hong Kong, Kuala Lumpur,	*NR	Socio-economic	Solar hybrid air-conditioning design for buildings	10.1201/b15507

							Manila, Singapore, Taipei				
133	Jacinto, R., Cruz, M. J., Santos, F. D.	2013	Development of water use scenarios as a tool for adaptation to climate change	Adaptation	Recommendations	National	Portugal	Scenarios/projections	Water supply/drought	Water use	10.5194/dwets-6-61-2013
134	Junk, W. J.	2013	Current state of knowledge regarding South America wetlands and their future under global climate change	Adaptation	Recommendations	International	South American countries	*NR	Socio-economic	Wetlands	10.1007/s00027-012-0253-8
136	Kim, O. S.	2013	In Pursuit of Low Carbon Cities: Understanding Limitations of ICLEI's International Local Government Greenhouse Gas Emissions Protocol	Mitigation	Recommendations	Global		IPCC methodology	Air quality	Pollution	*NR
139	Lopez, S. R., Hogue, T. S., Stein, E. D.	2013	A framework for evaluating regional hydrologic sensitivity to climate change using archetypal watershed modeling	Adaptation	Recommendations	Local	Santa Barbara-California, USA	Model	Water supply/drought	Hydrologic sensitivity	10.5194/hess-17-3077-2013
140	Loureiro, S. M., Rovere, E. L. L., Mahler, C. F.	2013	Analysis of potential for reducing emissions of greenhouse gases in municipal solid waste in Brazil, in the state and city of Rio de Janeiro	Mitigation	Recommendations	National	Brazil, Rio de Janeiro	Scenarios/projections	Socio-economic	Solid waste management	10.1016/j.wasman.2013.01.024
142	Miller-Robbie, L., Ramaswami, A., Kumar, P.	2013	Life Cycle Energy Use and Greenhouse Gas Emission Analysis for a Water Resource Recovery Facility in India	Mitigation	Recommendations	National	India	Model	Socio-economic	Energy use	10.2175/106143012x13560205144371

144	Novoa, D. C.	2013	The Economics of Climate Change, Urbanisation, and Long-Term Flood Protection	Mitigation	Recommendations	Local	Ho Chi Minh, Vietnam	Model	Sea level rise/flooding	Flooding	10.1007/978-3-642-31110-9_32
145	Petkova, E. P., Horton, R. M., Bader, D. A., Kinney, P. L.	2013	Projected heat-related mortality in the U.S. Urban Northeast	Adaptation	Recommendations	National	Boston, New York, and Philadelphia, USA	*NR	Health	Mortality	10.3390/ijerph10126734
146	Quattrocchi, F., Boschi, E., Spena, A., Buttinelli, M., Cantucci, B., Procesi, M.	2013	Synergic and conflicting issues in planning underground use to produce energy in densely populated countries, as Italy. Geological storage of CO ₂ , natural gas, geothermics and nuclear waste disposal	Mitigation	Recommendations	Local	Lazio, Italy	Model	Socio-economic	Underground energy production	10.1016/j.apenergy.2012.04.028
149	Wheeler, S. M., Tomuta, M., Haden, V. R., Jackson, L. E.	2013	The impacts of alternative patterns of urbanization on greenhouse gas emissions in an agricultural county	Mitigation	Recommendations	Local	Yolo county-USA	Scenarios/projections	Socio-economic	Urbanization	10.1080/17549175.2013.777356
150	Ye, L., Xiong, W., Li, Z., Yang, P., Wu, W., Yang, G., Fu, Y., Zou, J., Chen, Z., Van Ranst, E., Tang, H.	2013	Climate change impact on China food security in 2050	Mitigation	Recommendations	National	China	Scenarios/projections	Socio-economic	Food security	10.1007/s13593-012-0102-0
152	Ahmed, M. T., Nagi, I., Farag, M., Loutfi, N., Osman, M. A., Mandour, N.	2014	Vulnerability of Ras Sudr, Egypt to climate change, livelihood index, an approach to assess	Adaptation	Recommendations	Local	Sudr, Sinai, Egypt	IPCC methodology	Socio-economic	Vulnerability	10.2166/wcc.2014.006

	S., Mahmoud, K., Loutfi, N.		risks and develop future adaptation strategy								
155	Bin, O. YFeng, ., Z. H., Bi, Q. H.	2014	Calculation and evaluation methodology of transport energy consumption and carbon emissions: A case study of Jiangsu province	Adaptation	Recommendations	Local	Jiangsu, China	Model	Socio-economic	Energy consumption	10.4028/wwww.scientific.net/AMR.962-965.1293
156	Cheng, Y., Wang, Z., Ye, X., Wei, Y. D.	2014	Spatiotemporal dynamics of carbon intensity from energy consumption in China	Mitigation	Recommendations	National	China	Scenarios/projections	Air quality	Pollution	10.1007/s11442-014-1110-6
158	Deng, X., Zhao, C., Lin, Y., Zhang, T., Qu, Y., Zhang, F., Wang, Z., Wu, F.	2014	Downscaling the Impacts of Large-Scale LUCC on Surface Temperature along with IPCC RCPs: A Global Perspective	Adaptation	Recommendations	Global	USA, Brazil, India	Scenarios/projections	Socio-economic	Land use/land cover change	10.3390/en7042720
160	Fallmann, J., Emeis, S., Suppan, P.	2014	Modeling of the urban heat island and its effect on air quality using WRF/WRF-Chem – Assessment of mitigation strategies for a central European city	Mitigation	Recommendations	Local	Stuttgart, Germany	Model	Extreme temperature	Urban heat island	10.1007/978-3-319-04379-1_60
162	Huang, Q. X., He, C. Y., Liu, Z. F., Shi, P. J.	2014	Modeling the impacts of drying trend scenarios on land systems in northern China using an integrated SD and CA model	Adaptation	Recommendations	National	Beijing, Tianjin, Hebei, Shanxi, Inner Mongolia, Jilin, Liaoning, Heilongjiang, Shaanxi,	Model	Water supply/drought	Drought	10.1007/s11430-013-4799-7

							Gansu, Ningxia, Qinghai, Xinjiang, China				
163	Jacobi, P. R.	2014	Mudanças climáticas e ensino superior: a combinação entre pesquisa e educação	Adaptation	Recommendations	Local	Brazil, Sao Paulo	*NR	Socio-economic	Education	10.1590/0104-4060.38107
166	Kim, Y. M., Kim, S., Liu, Y.	2014	The impact of climate change on heat-related mortality in six major cities, South Korea, under representative concentration pathways (RCPs)	Mitigation	Recommendations	National	Seoul, Daegu, Gwangju, Busan, Incheon and Daejeon, South Korea	Model	Health	Mortality	10.3389/fenvs.2014.00003
169	McPhee, J., Cortés, G., Rojas, M., Garcia, L., Descalzi, A., Vargas, L.	2014	Downscaling climate changes for Santiago: What effects can be expected?	Adaptation	Recommendations	Local	Santiago, Chile	Scenarios/projections	Extreme temperature	Heat	10.1007/978-3-642-39103-3_2
170	Mitsova, D.	2014	Coupling Land Use Change Modeling with Climate Projections to Estimate Seasonal Variability in Runoff from an Urbanizing Catchment Near Cincinnati, Ohio	Mitigation	Recommendations	Local	Greater Cincinnati area, Ohio, USA	Scenarios/projections	Socio-economic	Urban runoff	10.3390/ijgi3041256
172	Pelling, M., Blackburn, S.	2014	Megacities and the coast: Risk, resilience and transformation	Adaptation	Recommendations	Global		*NR	Socio-economic	Megacity urbanization	10.4324/9780203066423

173	Pingale, S. M., Jat, M. K., Khare, D.	2014	Integrated urban water management modelling under climate change scenarios	Adaptation	Recommendations	Local	Ajmer, India	Model	Socio-economic	Water management	10.1016/j.resconrec.2013.10.006
175	Revi, A., Satterthwaite, D., Aragón-Durand, F., Corfee-Morlot, J., Kiunsi, R. B. R., Pelling, M., Roberts, D., Solecki, W., S Gajjar, . P., Sverdlik, A.	2014	Towards transformative adaptation in cities: The IPCC's Fifth Assessment	Adaptation	Recommendations	International	Dar es Salaam, Durban, London and New York City	*NR	Socio-economic	Protection of urban areas	10.1177/0956247814523539
176	Ribeiro Neto, A., Scott, C. A., Lima, E. A., Montenegro, S. M. G. L., Cirilo, J. A.	2014	Infrastructure sufficiency in meeting water demand under climate-induced socio-hydrological transition in the urbanizing Capibaribe River basin – Brazil	Adaptation	Recommendations	Local	Capibaribe, Brazil	Model	Water supply/drought	Water demand	10.5194/hess-18-3449-2014
178	Shevchenko, O., Lee, H., Snizhko, S., Mayer, H.	2014	Long-term analysis of heat waves in Ukraine	Adaptation	Recommendations	National	Ukraine	IPCC methodology	Extreme temperature	Heat waves	10.1002/joc.3792
180	Singh, V. P., Mishra, A. K., Chowdhary, H., Prakash Khedun, C.	2014	Climate change and its impact on water resources	Adaptation	Recommendations	Global		*NR	Socio-economic	Water resources	10.1007/978-1-62703-595-8_11
181	Sun, M., Yuan, Y., Zhang, J., Wang, R., Wang, Y.	2014	Greenhouse gas emissions estimation and ways to mitigate emissions in the Yellow River Delta High-efficient Eco-economic Zone, China	Mitigation	Recommendations	National	YRDHEZ-Dongying, Binzhou, Weifang, Dezhou, Yantai, and	Scenarios/projections	Air quality	Outdoor/indoor pollution	10.1016/j.jclepro.2014.06.032

							Zibo, China				
182	Wilkinson, S. J.	2014	Office building adaptation and the growing significance of environmental attributes	Adaptation	Recommendations	Local	Melbourne, Australia	Model	Socio-economic	Office buildings	10.1108/JCRE-06-2014-0014
184	Zahmatkesh, Z., Karamouz, M., Burian, S. J., Tavakol-Davani, H., Goharian, E.	2014	LID Implementation to Mitigate Climate Change Impacts on Urban Runoff	Mitigation	Specific evidence (green infrastructure)	Local	New York, USA	Model	Socio-economic	Urban runoff	10.1061/9780784413548.097
187	Álvarez, R., Zubelzu, S., Díaz, G., López, A.	2015	Analysis of low carbon super credit policy efficiency in European Union greenhouse gas emissions	Mitigation	Recommendations	International	EU member countries	Model	Socio-economic	Low carbon policies	10.1016/j.energy.2015.01.110
188	André, M. F., Anisimov, O.	2015	Tundra and permafrost-dominated taiga	Adaptation	Recommendations	International	USA, Russia, Canada, Norway	*NR	Sea level rise/flooding	Tundra and permafrost impact	10.1017/CBO9780511627057.014
189	Audefroy, J. F.	2015	Potential effects of climate change on the habitat in Mexico	Adaptation	Recommendations	National	Oaxaca, Tabasco and Yucatán-Mexico	Model	Socio-economic	Urban housing policies	10.1108/DPM-08-2014-0166
193	Cinar, I.	2015	Assessing the correlation between land cover conversion and temporal climate change-A pilot study in coastal Mediterranean city, Fethiye, Turkey	Adaptation	Recommendations	Local	Fethiye, Turkey	Descriptive statistics	Extreme temperature	Human thermal comfort	10.3390/atmos6081102
194	Creutzig, F., Jochem, P., Edelenbosch, O. Y.,	2015	Transport: A roadblock to climate change mitigation?	Mitigation	Recommendations	Global		*NR	Air pollution	Outdoor pollution-CO2	10.1126/science.aac8033

	Mattauch, L., Van Vuuren, D. P., McCollum, D. , Minx, J.										
195	Deng, X., Liu, J., Ma, E., Jiang, L., Yu, R., Jiang, Q., Zhao, C.	2015	Impact assessments on water and heat fluxes of terrestrial ecosystem due to land use change	Mitigation	Recommendations	International	China, U.S.A, Brazil, India	Scenarios/projections	Extreme temperature	Heat fluxes	10.1007/978-3-662-48008-3_5
196	El-Batran, M., Abounaga, M.	2015	Climate change adaptation: An overview on challenges and risks in cities, regions affected, costs and benefits of adaptation, and finance mechanisms	Mitigation	Recommendations	National	Bangladesh	*NR	Sea level rise/flooding	Flooding	10.1007/978-3-642-38670-1_33
197	Fichera, A., Fortuna, L., Frasca, M., Volpe, R.	2015	Integration of complex networks for urban energy mapping	Mitigation	Recommendations	Local	Catania, Italy	Model	Socio-economic	Energy demand	10.18280/ijht.330423
198	Flannery, J. A., Smith, K. M.	2015	Eco-landscape design	Both adaptation and mitigation	Recommendations	International	Los Angeles, Athens, Qinhuangdao, Toronto, Adelaide, Montreal, Milan, San Francisco, Campbelltown, Venice, Baton Rouge	*NR	Socio-economic	Landscaping activities	10.1007/978-3-319-07206-7

199	Govind, P. J., Verchick, R. R. M.	2015	Natural disaster and climate change	Adaptation	Recommendations	Local	Surat, India	*NR	Socio-economic	Vulnerability	10.1017/CBO9781107295414.024
200	Gowda, A., Puras Ustarroz, A., Shaxted, M.	2015	Preparing for climate change with computation and resiliency	Adaptation	Recommendations	Global		Model	Socio-economic	Climate resiliency	10.1061/9780784479070.034
201	Hamdi, R., Giot, O., De Troch, R., Deckmyn, A., Termonia, P.	2015	Future climate of Brussels and Paris for the 2050s under the A1B scenario	Adaptation	Recommendations	International	Brussels, Paris	Scenarios/projections	Extreme temperature	Urban heat island	10.1016/j.uclim.2015.03.003
204	Hendrix, C. S., Haggard, S.	2015	Global food prices, regime type, and urban unrest in the developing world	Both adaptation and mitigation	Recommendations	International	Asian and African cities	Model	Socio-economic	Food prices and urban unrest	10.1177/0022343314561599
205	Hoorweg, D., Bhada-Tata, P., Kennedy, C.	2015	Peak Waste: When Is It Likely to Occur?	Adaptation	Recommendations	Global		Scenarios/projections	Socio-economic	Waste	10.1111/jiec.12165
206	Kergomard, C.	2015	Resilience and Global Climate Change	Adaptation	Recommendations	Global		*NR	Socio-economic	Resilience	10.1016/B978-1-78548-051-5.50007-3
209	Le Cozannet, G., Rohmer, J., Cazenave, A., Idier, D., van de Wal, R., de Winter, R., Pedreros, R., Balouin, Y., Vinchon, C., Oliveros, C.	2015	Evaluating uncertainties of future marine flooding occurrence as sea-level rises	Adaptation	Recommendations	Local	Lion, France	Model	Sea level rise/flooding	Flooding	10.1016/j.envsoft.2015.07.021
214	Means, P., Guggemos, A.	2015	Framework for Life Cycle Assessment (LCA) Based Environmental Decision Making during the Conceptual Design Phase	Mitigation	Recommendations	National	Los Angeles, San Francisco, Seattle, Denver,	Life cycle assessment	Socio-economic	Commercial buildings	10.1016/j.proeng.2015.08.517

			for Commercial Buildings				Austin, Chicago, Philadelphia and New York City- USA				
216	Mohareb, E., Bristow, D., Derrible, S.	2015	Climate change mitigation in high-income cities	Mitigation	Recommendations	International	New York, Vancouver, Paris, Boston, Seattle, Stockholm, Toronto, London	*NR	Socio-economic	High-income cities	10.4324/9781315849256-38
217	Muñoz Meléndez, G., Vázquez González, L. B	2015	Characterization of Greenhouse Gases Emissions from Urban Solid Waste in Baja California: A Proposal to Incorporate Technical Input into Decision-Making	Mitigation	Recommendations	Local	Baja California, USA	IPCC methodology	Socio-economic	Urban waste management	*NR
220	Qu, J., Maraseni, T., Liu, L., Zhang, Z., Yusaf, T.	2015	A Comparison of Household Carbon Emission Patterns of Urban and Rural China over the 17 Year Period (1995-2011)	Mitigation	Recommendations	National	China	Descriptive statistics	Air quality	Pollution-CO2	10.3390/en80910537
222	Schweikert, A., Espinet, X., Goldstein, S., Chinowsky, P.	2015	Resilience versus risk: Assessing cost of climate change adaptation to California's transportation system and the City of Sacramento, California	Adaptation	Recommendations	National	California and Sacramento city	Model	Socio-economic	Transportation	10.3141/2532-02

225	Sperotto, A., Torresan, S., Gallina, V., Coppola, E., Critto, A., Marcomini, A.	2015	A multi-disciplinary approach to evaluate pluvial floods risk under changing climate: The case study of the municipality of Venice (Italy)	Adaptation	Recommendations	Local	Venice, Italy	IPCC methodology	Sea level rise/flooding	Flooding	10.1016/j.scitotenv.2016.03.150
226	Spizzichino, D., Capriolo, A., Gioia, F. D.	2015	Climate change, landslide risk assessment and adaptation policies: The urban area of ancona municipality	Adaptation	Recommendations	Local	Ancona, Italy	IPCC methodology	Socio-economic	Landslide risk	10.1007/978-3-319-09048-1_159
227	Spokas, K., Bogner, J., Corcoran, M., Walker, S.	2015	From California dreaming to California data: Challenging historic models for landfill CH4 emissions	Mitigation	Recommendations	Local	California, USA	Model	Air quality	Pollution	10.12952/journal.elementa.000051
228	Strader, S. M. , Ashley, W., Walker, J.	2015	Changes in volcanic hazard exposure in the Northwest USA from 1940 to 2100	Mitigation	Recommendations	National	USA	Scenarios/projections	Socio-economic	Volcanic hazard	10.1007/s11069-015-1658-1
231	Tonmoy, F. N., Brown, M., Polydoropoulos, P., El-Zein, A.	2015	A comparative analysis of engineering options for adaptation to sea-level rise: A case study for a vulnerable beach in Shoalhaven NSW	Adaptation	Recommendations	Local	Shoalhaven, Australia	Model	Sea level rise/flooding	Sea level rise	*NR
232	Wagner, P. D., Reichenau, T. G., Kumar, S., Schneider, K.	2015	Development of a new downscaling method for hydrologic assessment of climate change impacts in data scarce regions and its application in the Western Ghats, India	Adaptation	Recommendations	Local	Pune, India	Scenarios/projections	Socio-economic	Hydrologic assessment	10.1007/s10113-013-0481-z

233	Wamsler, C.	2015	Mainstreaming ecosystem-based adaptation: Transformation toward sustainability in urban governance and planning	Adaptation	Recommendations	National	Munich, Nürnberg, Regensburg, Würzburg, Landshut, Passau, Deggendorf, and Freising, Germany	Content analysis	Socio-economic	Urban governance and planning	10.5751/ES-07489-200230
234	Wang, Z., Zhao, L., Mao, G., Wu, B.	2015	Factor decomposition analysis of energy-related CO2 emissions in Tianjin, China	Mitigation	Recommendations	Local	Tianjin, China	IPCC methodology	Air quality	Pollution-CO2	10.3390/su7089973
235	Wenjun, M., Lin, H., Liu, T., Jianpeng, X., Yuan, L., Cunrui, H., Qiyong, L., Chu, C., Weilin, Z., Mengjue, H., Xuejie, G., Keralis, J. M., Onyango, E., Opitz-Stapleton, S., Nadin, R.	2015	Human health, well-being and climate change in China	Mitigation	Recommendations	Local	Guangdon, China	Survey and participatory	Health	Mortality	10.4324/9781315744988-20
236	Wong, P. P., Losada, I. J., Gattuso, J. P., Hinkel, J., Khattabi, A., McInnes, K. L., Saito, Y., Sallenger, A., Nicholls, R. J., Santos, F., Amez, S.	2015	Coastal systems and low-lying areas	Adaptation	Recommendations	Global		Scenarios/projections	Sea level rise/flooding	Sea level rise	10.1017/CBO9781107415379.010

239	Yu, H., Pan, S. Y., Tang, B. J., Mi, Z. F., Zhang, Y., Wei, Y. M.	2015	Urban energy consumption and CO2 emissions in Beijing: current and future	Mitigation	Recommendations	Local	Beijing, China	Model	Air quality	Pollution-CO2	10.1007/s12053-014-9305-3
242	Zhao, Q. Z., Yan, Q. Y.	2015	Carbon Emissions Decomposition Analysis of Yangtze River Delta Area in China: 2001-2012	Mitigation	Recommendations	National	Shanghai, Zhejiang, Jiangsu, China	Model	Socio-economic	Energy consumption and carbon emissions	*NR
243	Abadie, L. M., de Murieta, E. S., Galarraga, I.	2016	Climate risk assessment under uncertainty: An application to main European coastal cities	Adaptation	Recommendations	International	European cities	Model	Sea level rise/flooding	Sea level rise	10.3389/fmars.2016.00265
244	Alves, C. A., Duarte, D. H. S., Gonçalves, F. L. T.	2016	Residential buildings' thermal performance and comfort for the elderly under climate changes context in the city of São Paulo, Brazil	Adaptation	Recommendations	Local	São Paulo, Brazil	Survey and participatory	Extreme temperature	Thermal comfort	10.1016/j.enbuid.2015.06.044
245	Araya-Muñoz, D., Metzger, M. J., Stuart, N., Wilson, A. M. W., Alvarez, L.	2016	Assessing urban adaptive capacity to climate change	Adaptation	Recommendations	Local	Concepción, Chile	Model	Socio-economic	Urban adaptive capacity	10.1016/j.jenvman.2016.08.060
246	Babel, S., Vilaysouk, X.	2016	Greenhouse gas emissions from municipal solid waste management in Vientiane, Lao PDR	Mitigation	Recommendations	Local	Vientiane, Laos	IPCC methodology	Air quality	Pollution-CO2, CH4, N2O	10.1177/0734242X15615425
247	Bartlett, S., Satterthwaite, D.	2016	Cities on a finite planet: Towards transformative responses to climate change	Mitigation	Recommendations	Without scale		*NR	Socio-economic	Cities	10.4324/9781315645421
248	Binti Sa'adin, S. L., Kaewunruen, S., Jaroszweski, D.	2016	Heavy rainfall and flood vulnerability of	Both adaptation	Recommendations	International	Singapore, Malaysia	*NR	Sea level rise/flooding	Flood vulnerability	10.1080/14488353.2017.1336895

			Singapore-Malaysia high speed rail system	and mitigation							
249	Cantos, J. O., Vera-Rebollo, J. F.	2016	Adaptation of the tourism sector to climate change in Spain. The importance of action at local level and in tourism businesses	Mitigation	Recommendations	National	Spain	*NR	Socio-economic	Tourism	10.5209/AG UC.53588
250	Chow, D. H. C., Sharples, S.	2016	The feasibility of retrofitting existing office buildings to combat energy consumption due to future climate change in three key regions of China	Mitigation	Recommendations	National	Beijing, Shanghai and Guangzhou, China	Scenarios/projections	Socio-economic	Energy consumption	10.1201/b19239-25
253	Darela Filho, J. P., Lapola, D. M., Torres, R. R., Lemos, M. C.	2016	Socio-climatic hotspots in Brazil: how do changes driven by the new set of IPCC climatic projections affect their relevance for policy?	Adaptation	Recommendations	National	Belo Horizonte, Brasília, Salvador, Manaus, Rio de Janeiro and São Paulo, Minas Gerais and Bahia, Brazil	Scenarios/projections	Socio-economic	Vulnerability to climate impacts	10.1007/s10584-016-1635-z
254	Erickson, P., Morgenstern, T.	2016	Fixing greenhouse gas accounting at the city scale	Mitigation	Recommendations	Global		*NR	Air quality	Outdoor pollution- CO ₂ , CH ₄	10.1080/17583004.2016.1238743
256	Gouldson, A., Colenbrander, S., Sudmant, A., Papargyropoulou, E., Kerr, N.,	2016	Cities and climate change mitigation: Economic opportunities and governance challenges in Asia	Mitigation	Recommendations	International	Kolkata in India, Palembang in Indonesia	*NR	Socio-economic	Cities	10.1016/j.cities.2015.10.010

	McAnulla, F., Hall, S.						and Johor Bahru in Malaysia				
257	He, Y. H., Mok, H. Y., Lai, E. S. T.	2016	Projection of sea-level change in the vicinity of Hong Kong in the 21st century	Adaptation	Recommendations	Local	Hong Kong, China	Model	Sea level rise/flooding	Sea level rise	10.1002/joc.4551
258	Hoeppe, P.	2016	Trends in weather related disasters - Consequences for insurers and society	Adaptation	Recommendations	Global		Descriptive statistics	Socio-economic	Disasters	10.1016/j.wace.2015.10.002
259	Holden, M., Robinson, J., Sheppard, S.	2016	From Resilience to Transformation Via a Regenerative Sustainability Development Path	Adaptation	Recommendations	Global		*NR	Socio-economic	Urban resilience	10.1007/978-3-319-39812-9_15
260	Hovenga, P. A., Wang, D., Medeiros, S. C., Hagen, S. C., Alizad, K.	2016	The response of runoff and sediment loading in the Apalachicola River, Florida to climate and land use land cover change	Mitigation	Recommendations	National	U.S.A	IPCC methodology	Socio-economic	Runoff and sediment loading	10.1002/2015EF000348
261	Hsu, M. H., Chen, C. H., Liu, W. C., Chang, T. J., Chen, A. S., Hammond, M. J., Djordjević, S., Butler, D.	2016	Evaluation of Adaptation Strategies for Urban Flooding in Central Taipei City in Taiwan	Adaptation	Recommendations	Local	Taipei, Taiwan	Model	Sea level rise/flooding	Flood risk	10.1007/978-981-287-615-7_7
262	Invidiata, A., Ghisi, E.	2016	Impact of climate change on heating and cooling energy demand in houses in Brazil	Mitigation	Recommendations	National	Curitiba, Florianópolis and Belém-Brazil	Model	Extreme temperature	Thermal comfort	10.1016/j.enbuid.2016.07.067

263	José, R. S., Pérez, J. L., Pérez, L., Pecci, J., Garzón, A., Palacios, M.	2016	Impacts of global climate scenarios over three european cities using mesoscale and cfd simulations with very high resolution	Mitigation	Recommendations	International	Madrid, London and Milan	Model	Health	Mortality and morbidity	*NR
265	Lassa, J. A., Lai, A. Y. H., Goh, T.	2016	Climate extremes: an observation and projection of its impacts on food production in ASEAN	Adaptation	Recommendations	International	Asian countries	*NR	Socio-economic	Food security	10.1007/s11069-015-2081-3
267	Maraseni, T. K., Qu, J., Zeng, J., Liu, L.	2016	An Analysis of Magnitudes and Trends of Household Carbon Emissions in China Between 1995 and 2011	Mitigation	Recommendations	National	China	Model	Socio-economic	Household carbon emissions	*NR
268	Maraseni, T. N., Qu, J., Yue, B., Zeng, J., Maroulis, J.	2016	Dynamism of household carbon emissions (HCEs) from rural and urban regions of northern and southern China	Adaptation	Recommendations	National	China	Scenarios/projections	Air quality	Poillution-CO2	10.1007/s11356-016-7237-5
269	Martínez-Austria, P. F., Bandala, E. R., Patiño-Gómez, C.	2016	Temperature and heat wave trends in northwest Mexico	Adaptation	Recommendations	National	Mexicali, Sonora, Mexico	Model	Extreme temperature	Heat	10.1016/j.pce.2015.07.005
270	Monrapussorn, S.	2016	Climate change impact on water resources in agricultural and adaptation: A case study of Kanchanaburi province, Thailand	Adaptation	Recommendations	Local	Kanchanaburi, Thailand	Scenarios/projections	Socio-economic	Water resources	*NR
274	Park, J., Kang, M. S., Song, I., Song, J. H., Jun, S. M.	2016	Probabilistic risk assessment of flood disaster in South Korea under the impact of climate change	Adaptation	Recommendations	National	South Korea	Model	Sea level rise/flooding	Flooding	10.1002/ird.2049

276	Rangecroft, S., Suggitt, A. J., Anderson, K., Harrison, S.	2016	Future climate warming and changes to mountain permafrost in the Bolivian Andes	Adaptation	Recommendations	National	Bolivia	Scenarios/projections	Socio-economic	Permafrost	10.1007/s10584-016-1655-8
277	Rosatto, H., Botta, G. F., Becerra, A. T., Tardito, H., Leveratto, M.	2016	Climate change difficulties in the Buenos Aires city contribution of green roofs in regulating the thermal change	Mitigation	Specific evidence (green roofs)	Local	Buenos Aires, Argentina	*NR	Socio-economic	Thermal change of building	*NR
279	Rowntree, J. E., Ryals, R., DeLonge, M. S., Teague, W. R., Chiavegato, M. B., Byck, P., Wang, T., Xu, S.	2016	Potential mitigation of midwest grass-finished beef production emissions with soil carbon sequestration in the United States of America	Mitigation	Recommendations	Local	Michigan, USA	Model	Air quality	Pollution	*NR
280	San José, R., Pérez, J. L., González, R. M., Pecci, J., Garzón, APalacios, M.	2016	Impacts of the 4.5 and 8.5 RCP global climate scenarios on urban meteorology and air quality: Application to Madrid, Antwerp, Milan, Helsinki and London	Mitigation	Recommendations	International	Madrid, Antwerp, Milan, Helsinki and London (Kensington-Chelsea area)	Model	Air quality	Pollution-SO ₂ , NO ₂ , CO, O ₃ , PM ₁₀	10.1016/j.cam.2015.04.024
281	Santarius, T., Walnum, H. J., Aall, C.	2016	Rethinking climate and energy policies: New perspectives on the rebound phenomenon	Mitigation	Recommendations	Global		*NR	Socio-economic	Climate change and energy policies	10.1007/978-3-319-38807-6
282	Sima, M., Micu, D., Bălteanu, D., Dragotă, C., Mihalache, S.	2016	Climate change projections for a medium-size urban area (baia mare town, romania): Local	Adaptation	Recommendations	Local	Baia Mare, Romania	Scenarios	Socio-economic	Climate change awareness	10.1007/978-3-319-28591-7_16

			awareness and adaptation constraints								
285	Talukdar, S., Banthia, N.	2016	Carbonation in Concrete Infrastructure in the Context of Global Climate Change: Model Refinement and Representative Concentration Pathway Scenario Evaluation	Mitigation	Recommendations	National	Los Angeles, Houston, Chicago, New York City, USA	Model	Socio-economic	Concrete infrastructure	10.1061/(asce)mt.1943-5533.0001438
286	Tong, S. T. Y., Yang, H., Chen, H., Yang, J. Y.	2016	Hydrologic impacts of climate change and urbanization in the Las Vegas Wash Watershed, Nevada	Mitigation	Recommendations	Local	Las Vegas, USA	Model	Socio-economic	Watershed	10.2166/wcc.2016.038
287	Tumini, I., Rubio-Bellido, C.	2016	Measuring climate change impact on urban microclimate: A case study of Concepción	Adaptation	Recommendations	Local	Concepción, Chile	Scenarios/projections	Socio-economic	Urban microclimate	10.1016/j.proeng.2016.08.830
288	Uddin, W.	2016	Mobile and area sources of greenhouse gases and abatement strategies	Adaptation	Recommendations	Global		*NR	Air quality	Pollution-CO2	10.1007/978-3-319-14409-2_23
289	Wang, C. H., Baynes, T., McFallan, S., West, J., Khoo, Y. B., Wang, X., Quezada, G., Mazouz, S., Herr, A., Beaty, R. M., Langston, A., Li, Y., Wai Lau, K., Hatfield-Dodds, S., Stafford-Smith, M., Waring, A.	2016	Rising tides: adaptation policy alternatives for coastal residential buildings in Australia	Adaptation	Recommendations	National	Australia	Scenarios/projections	Sea level rise/flooding	Rising tides	10.1080/15732479.2015.1020500

290	Yang, X., Ma, C., Zhang, A.	2016	Decomposition of net CO ₂ emission in the Wuhan Metropolitan Area of Central China	Mitigation	Recommendations	Local	Wuhan, China	IPCC methodology	Air quality	Pollution-CO ₂	10.3390/su8080784
292	Ahsan, S. H., Manjang, S., Syafaruddin; M. B.	2017	Potential of renewable energy from waste mitigation of gas emissions of CH ₄ and CO ₂ in Bontang City, East Borneo	Mitigation	Recommendations	Local	Bontang, Indonesia	IPCC methodology	Socio-economic	Renewable energy	10.1109/ICSGSC.2017.8038540
293	Asadollahfardi, G., Panahandeh, A., Khalvati, A. A., Sekhavati, A.	2017	Life cycle assessment of construction phase of monorail project in Qom, Iran	Mitigation	Recommendations	Local	Qom, Iran	Life cycle assessment	Socio-economic	Acid raining	10.7508/pj.2017.01.009
294	Bahrum, N. A., Malek, M. A., Tan, C. S.	2017	Greenhouse Gas Emission Estimation for Selected Crops and Rice Cultivation in Urban and Non-Urban Areas of Sarawak	Mitigation	Recommendations	Local	Sarawak, Malaysia	IPCC methodology	Air quality	Pollution-CO ₂	10.1051/mateconf/201710305006
297	Burillo, D., Chester, M. V., Ruddell, B., Johnson, N.	2017	Electricity demand planning forecasts should consider climate non-stationarity to maintain reserve margins during heat waves	Mitigation	Recommendations	National	Phoenix, Los Angeles-USA	Model	Socio-economic	Electricity demand	10.1016/j.apenergy.2017.08.141
298	Cambaliza, M. O. L., Bogner, J. E., Green, R. B., Shepson, P. B., Harvey, T. A., Spokas, K. A., Stirm, B. H., Corcoran, M.	2017	Field measurements and modeling to resolve m ² to km ² CH ₄ emissions for a complex urban source: An Indiana landfill study	Adaptation	Recommendations	Local	Indiana, USA	Model	Air quality	Pollution-CH ₄	10.1525/elementa.145

300	Cheng, C., E. Yang, Y. C., Ryan, R., Yu, Q., Brabec, E.	2017	Assessing climate change-induced flooding mitigation for adaptation in Boston's Charles River watershed, USA	Mitigation	Recommendations	Local	Boston, USA	Model	Sea level rise	Flooding	10.1016/j.lan durbplan.201 7.05.019
302	da Lio, C., Strozzi, T., Teatini, P., Tosi, L.	2017	Computing the relative land subsidence at Venice, Italy, over the last fifty years	Mitigation	Recommendations	Local	Venice, Italy	Model	Sea level rise/flooding	Land subsidence	*NR
304	Herrera-Murillo, J., Rojas-Marin, J. F., Quiros-Fallas, A., Balma-Montero, C., Anchia-Leiton, D.	2017	Greenhouse gas emissions inventories as a tool that supports the climate change local agenda: San Jose experience	Mitigation	Recommendations	Local	San Jose, Costa Rica	Model	Air quality	Pollution-CO2	10.15359/rga c.58-1.6
306	Lee, Y. C., Ko, C. Y., Lin, Y. T., Wang, C. Y., Huang, C. W., Seto, K. C.	2017	A Conceptual Framework of the Human Dimensions of Urban Emission in East Asia Cities	Mitigation	Recommendations	International	East Asian countries-Taiwan, Japan, South Korea, China, Macau, Hong Kong, Singapore and Vietnam	*NR	Socio-economic	Urban form	10.1016/j.pro eng.2017.07.1 23
307	Lee, Y. J.	2017	Building resilient cities through community empowerment: Principles and strategies for Taiwan	Adaptation	Recommendations	National	Taiwan	*NR	Socio-economic	Resilient cities	10.14246/irsp sd.5.2_35
308	Li, Y., Qian, X., Zhang, L., Dong, L.	2017	Exploring spatial explicit greenhouse gas inventories: Location-	Mitigation	Recommendations	Local	Oita, Japan	IPCC methodology	Socio-economic	GHG inventories	10.1016/j.jcle pro.2017.08.2 19

			based accounting approach and implications in Japan								
309	Liu, J., Li, J., Qin, K., Zhou, Z., Yang, X., Li, T.	2017	Changes in land-uses and ecosystem services under multi-scenarios simulation	Mitigation	Recommendations	Local	Guanzhong-Tianshui, China	Scenarios/projections	Socio-economic	Land use change	10.1016/j.scitotenv.2017.02.005
310	Llorach-Massana, P., Munoz, P., Rosa Riera, M., Gabarrell, X., Rieradevall, J., Ignacio Montero, J., Villalba, G.	2017	N ₂ O emissions from protected soilless crops for more precise food and urban agriculture life cycle assessments	Mitigation	Recommendations	Local	Barcelona, Spain	Experiment/laboratory	Socio-economic	Soilless crops	10.1016/j.jclepro.2017.02.191
311	Miphokasap, P.	2017	Spatial inventory of CO ₂ emissions and removals from land use and land use changes in Thailand	Mitigation	Recommendations	National	Thailand	IPCC methodology	Air quality	Pollution-CO ₂	10.3303/CET1756003
312	Neht, A., Maximini, C., Prenger-Berninghoff, K.	2017	Heat Retreat Locations in Cities - The Survey-Based Location Analysis of Heat Relief	Adaptation	Recommendations	National	German cities	Survey and participatory	Extreme temperature	Heat	10.1088/1755-1315/95/5/052006
313	Neht, A., Prenger-Berninghoff, K., Vallée, D.	2017	Implementing heat-related adaptation measures in the tri-city area bergischesstädtedreieck	Adaptation	Recommendations	National	Remscheid, Solingen, and Wuppertal - Germany	IPCC methodology	Extreme temperature	Thermal/heat stress	10.1007/978-3-319-58214-6_12
314	Oh, K. Y., Lee, M. J., Jeon, S. W.	2017	Development of the Korean climate change vulnerability assessment tool (VESTAP)-centered on health vulnerability to heat waves	Adaptation	Recommendations	National	Korea, Daegu, and Seogu, Daegu	IPCC methodology	Health	Health	10.3390/su9071103

315	Palme, M., Lobato, A.	2017	Robustness of residential houses in Ecuador in the face of global warming: Prototyping and simulation studies in the Amazon, coastal and Andes macroclimatic regions	Both adaptation and mitigation	Recommendations	National	Ecuador	IPCC methodology	Socio-economic	Residential houses	10.1007/978-3-319-30746-6_31
316	Perini, L., Calabrese, L., Luciani, P., Olivieri, M., Galassi, G., Spada, G.	2017	Sea-level rise along the Emilia-Romagna coast (Northern Italy) in 2100: Scenarios and impacts	Mitigation	Recommendations	Local	Emilia-Romagna, Italy	Scenarios/projections	Sea level rise/flooding	Sea level rise	10.5194/nhes-17-2271-2017
317	Raharjo, S.	2017	Development of 3r waste treatment facilities for mitigating greenhouse gas emissions: A case study of Padang city, Indonesia	Mitigation	Recommendations	Local	Padang, Indonesia	Life cycle assessment	Socio-economic	Waste treatment	*NR
318	Raharjo, S., Junaidi, N. E., Bachtiar, V. S., Ruslinda, Y., Rachman, I., Matsumoto, T.	2017	Development of community-based waste recycling (garbage bank and 3R waste treatment facility) for mitigating greenhouse gas emissions in Padang City, Indonesia	Mitigation	Recommendations	Local	Padang, Indonesia	Life cycle assessment	Socio-economic	Waste recycling	10.1109/MITI CON.2016.8025259
320	Rasmussen, K., Thyrring, J., Muscarella, R., Borchsenius, F.	2017	Climate-change-induced range shifts of three allergenic ragweeds (<i>Ambrosia L.</i>) in Europe and their potential impact on human health	Mitigation	Recommendations	International	Denmark, France, Germany, Russia and the Baltic countries, and overlap	Model	Health	Human health	10.7717/peerj.3104

							with densely populated cities such as Paris and St. Petersburg				
321	Rubio-Bellido, C., Pérez-Fargallo, A., Pulido-Arcas, J. A.	2017	Study on envelope in office buildings under the influence of climate change in Santiago, Chile	Adaptation	Recommendations	Local	Santiago, Chile	Model	Socio-economic	Office buildings	10.1007/978-3-319-51442-0_32
323	Scussolini, P., Tran, T. T. V., Koks, E., Diaz-Loaiza, A., Ho, P. L., Lasage, R.	2017	Adaptation to Sea Level Rise: A Multidisciplinary Analysis for Ho Chi Minh City, Vietnam	Adaptation	Recommendations	Local	Ho Chi Minh, Vietnam	Model	Sea level rise/flooding	Flooding	10.1002/2017WR021344
324	Shan, Y., Guan, D., Liu, J., Mi, Z., Liu, Z., Liu, J., Schroeder, H., Cai, B., Chen, Y., Shao, S., Zhang, Q.	2017	Methodology and applications of city level CO2 emission accounts in China	Mitigation	Recommendations	National	Chinese cities	IPCC methodology	Air quality	Pollution-CO2	10.1016/j.jclepro.2017.06.075
325	Shen, P.	2017	Impacts of climate change on US building energy use by using downscaled hourly future weather data	Mitigation	Recommendations	National	Philadelphia, Chicago, Phoenix, Miami-USA	Model	Socio-economic	Building energy use	10.1016/j.enbuid.2016.09.028
326	Simane, B., Deressa, W., Kumie, A., Woyessa, A., Kaba, M., Taye, G., Berhane, G.	2017	Health Vulnerability and Adaptation Strategies to Climate Change in Ethiopia	Adaptation	Recommendations	National	Ethiopia	IPCC methodology	Health	Human health	10.1007/978-3-319-49520-0_11

328	Spandagos, C., Ng, T. L.	2017	Equivalent full-load hours for assessing climate change impact on building cooling and heating energy consumption in large Asian cities	Mitigation	Recommendations	International	Hong Kong, Seoul and Tokyo	Scenarios/projections	Extreme temperature	Building heating and cooling	10.1016/j.apenergy.2016.12.039
330	Vasenev, V. I., Stoorvogel, J. J., Dolgikh, A. V., Ananyeva, N. D., Ivashchenko, K. V., Valentini, R.	2017	Changes in soil organic carbon stocks by urbanization	Adaptation	Recommendations	National	Russia	Model	Socio-economic	Urbanization	10.1201/9781315154251
331	Vázquez-Rowe, I., Larrea-Gallegos, G., Villanueva-Rey, P., Gilardino, A.	2017	Climate change mitigation opportunities based on carbon footprint estimates of dietary patterns in Peru	Mitigation	Recommendations	National	Peru	Model	Socio-economic	Dietary patterns	10.1371/journal.pone.0188182
334	Xie, M., Shu, L., Wang, T.-j., Liu, Q., Gao, D., Li, S., Zhuang, B.-l., Han, Y., Li, M.-m., Chen, P.-l.	2017	Natural emissions under future climate condition and their effects on surface ozone in the Yangtze River Delta region, China	Mitigation	Recommendations	National	Shanghai, Jiangsu and Zhejiang-China	Model	Air quality	Pollution-NOX, O3, VOCs	10.1016/j.atmosenv.2016.11.053
335	Yang, X., Lou, F., Sun, M., Wang, R., Wang, Y.	2017	Study of the relationship between greenhouse gas emissions and the economic growth of Russia based on the Environmental Kuznets Curve	Mitigation	Recommendations	National	Russia	Model	Socio-economic	Economy-related GHG emission	10.1016/j.apenergy.2017.02.034
336	Zhang, Q., Nakatani, J., Wang, T., Chai, C., Moriguchi, Y.	2017	Hidden greenhouse gas emissions for water utilities in China's cities	Mitigation	Recommendations	National	China	IPCC methodology	Socio-economic	Water utilities and GHG emissions	10.1016/j.jclepro.2017.06.042

337	Abadie, L. M.	2018	Sea level damage risk with probabilistic weighting of IPCC scenarios: An application to major coastal cities	Adaptation	Recommendations	International	120 megacities	Model	Sea level rise/flooding	Sea level risk	10.1016/j.jclepro.2017.11.069
338	Ahsan, S. H., Manjang, S., Baharuddin, M. S.	2018	Potential electrical energy production using estimation of waste composition and realistic model of waste reduction	Mitigation	Recommendations	Local	Bontang, Indonesia	IPCC methodology	Air quality	Pollution-CH4	10.24507/ijcicel.12.05.401
339	Al-Maktoumi, A., Zekri, S., El-Rawy, M., Abdalla, O., Al-Wardy, M., Al-Rawas, G., Charabi, Y.	2018	Assessment of the impact of climate change on coastal aquifers in Oman	Adaptation	Recommendations	National	Oman	Model	Socio-economic	Coastal aquifers	10.1007/s12517-018-3858-y
340	Amin, A., Iqbal, J., Asghar, A., Ribbe, L.	2018	Analysis of Current and Future Water Demands in the Upper Indus Basin under IPCC Climate and Socio-Economic Scenarios Using a Hydro-Economic WEAP Model	Adaptation	Recommendations	Local	Indus, Pakistan	Model	Socio-economic	Water demand	10.3390/w10050537
344	Campbell, P., Zhang, Y., Yan, F., Lu, Z., Streets, D.	2018	Impacts of transportation sector emissions on future U.S. air quality in a changing climate. Part II: Air quality projections and the interplay between emissions and climate change	Mitigation	Recommendations	National	USA	Model	Air quality	Pollution-CO, VOCs, NOX, O3, NH3, SO2	10.1016/j.envpol.2018.03.016
345	Carranza, V., Rafiq, T., Frausto-Vicencio, IHopkins, F. M., Verhulst, K.	2018	Vista-LA: Mapping methane-emitting infrastructure in the Los Angeles megacity	Mitigation	Recommendations	Local	Los Angeles, USA	IPCC methodology	Air quality	Pollution-CH4	10.5194/essd-10-653-2018

	R., Rao, P., Duren, R. M., Miller, C. E.										
346	Carrizo Sineiro, C., Ferreyra, Y., Astudillo, D., Solda, S.	2018	Sustainability and risk management. Response, repair and prevention against floods from a case analysis	Adaptation	Recommendations	Local	Jesus Maria, Mexico	*NR	Sea level rise/flooding	Flooding	10.17141/letrasverdes.24.2018.3328
348	Chen, K., Fiore, A. M., Chen, R., Jiang, L., Jones, B., Schneider, A., Peters, A., Bi, J., Kan, H., Kinney, P. L.	2018	Future ozone-related acute excess mortality under climate and population change scenarios in China: A modeling study	Mitigation	Recommendations	National	China	Scenarios/projections	Health	Mortality	10.1371/journal.pmed.1002598
351	da Silva, C. V. F., Schardong, A., Garcia, J. I. B., Oliveira, C. P. M.	2018	Climate change impacts and flood control measures for highly developed urban watersheds	Mitigation	Recommendations	Local	Sao Paulo, Brazil	Scenarios/projections	Sea level rise/flooding	Flooding	10.3390/w10070829
352	Feyissa, G., Zeleke, G., Gebremariam, E., Bewket, W.	2018	GIS based quantification and mapping of climate change vulnerability hotspots in Addis Ababa	Both adaptation and mitigation	Recommendations	Local	Addis Ababa, Ethiopia	Model	Sea level rise/flooding	Flooding	10.1186/s40677-018-0106-4
353	Flörke, M., Schneider, C., McDonald, R. I.	2018	Water competition between cities and agriculture driven by climate change and urban growth	Adaptation	Recommendations	Global		Model	Socio-economic	Water competition	10.1038/s41893-017-0006-8
356	Hu, N., Liu, S., Gao, Y., Xu, J., Zhang, X., Zhang, Z., Lee, X.	2018	Large methane emissions from natural gas vehicles in Chinese cities	Mitigation	Recommendations	National	Chengdu, Urumqi, Jinan, Nanjing, Lanzhou, Harbin,	Model	Air quality	Outdoor pollution-CH4, CO2	10.1016/j.atmosenv.2018.06.007

							Guangzhou, China				
357	Ilmas, B., Mir, K. A., Khalid, S.	2018	Greenhouse gas emissions from the waste sector: a case study of Rawalpindi in Pakistan	Mitigation	Recommendations	Local	Rawalpindi, Pakistan	IPCC methodology	Air quality	Outdoor pollution-CH ₄ , CO ₂ , N ₂ O	10.1080/17583004.2018.1530025
360	Kosir, M., Potocnik, J., Pajek, L.	2018	Impact of RCP4.5 climate change scenario on the bioclimatic potential of six selected European locations	Mitigation	Recommendations	International	Paris, Berlin, Ljubljana, Moscow, Rome and Madrid	Scenarios/projections	Socio-economic	Bioclimatic potential	10.2495/SDP-V13-N8-1090-1102
361	Lam, Y. F.	2018	Climate Change and Air Quality in Southeastern China: Hong Kong Study	Mitigation	Recommendations	Local	Hong Kong, China	IPCC methodology	Air quality	Pollution-SO ₂ , NOX, VOCs, PM _{2.5}	10.1007/978-3-319-61346-8_12
363	Lee, T. C., Peng, S. K., Yeh, C. T., Tseng, C. Y.	2018	Bottom-up approach for downscaling CO ₂ emissions in Taiwan: robustness analysis and policy implications	Mitigation	Recommendations	National	Taiwan	IPCC methodology	Air quality	Pollution-CO ₂	10.1080/09640568.2017.1329714
364	Li, Z., Huang, G., Huang, W., Lin, Q., Liao, R., Fan, Y.	2018	Future changes of temperature and heat waves in Ontario, Canada	Mitigation	Recommendations	Local	Ontario, Canada	Scenarios/projections	Extreme temperature	Heat	10.1007/s00704-017-2123-8
365	Mahmoud, D., Gamal, G., Abou El Seoud, T.	2018	The potential impact of climate change on Hurghada city, Egypt, using tourism climate index	Adaptation	Recommendations	Local	Hurghada, Egypt	Scenarios/projections	Socio-economic	Tourism	10.30892/gtg.25218-376
366	Marchi, M., Niccolucci, V., Pulselli, R. M., Marchettini, N.	2018	Environmental policies for GHG emissions reduction and energy transition in the medieval historic centre of Siena	Mitigation	Specific evidence (photovoltaic panels on roofs)	Local	Siena, Italy	IPCC methodology	Socio-economic	GHG emissions reductions and energy transition	10.1016/j.jclepro.2018.03.068

			(Italy): the role of solar energy								
367	Minuzzi, R. B., José, M. F.	2018	Climatic aptitude for growing soybean-corn succession in future scenarios in Santa Catarina, Brazil	Adaptation	Recommendations	Local	Santa Catarina, Brazil	Scenarios/projections	Socio-economic	Food security	10.15809/irriga.2018v23n4p773-783
369	Murray, P., Orehounig, K., Grosspietsch, D., Carmeliet, J.	2018	A comparison of storage systems in neighbourhood decentralized energy system applications from 2015 to 2050	Mitigation	Recommendations	Local	Altstetten, Switzerland	Model	Socio-economic	Storage systems	10.1016/j.apenergy.2018.08.106
370	Navarro-Estupiñan, J., Robles-Morua, A., Vivoni, E. R., Zepeda, J. E., Montoya, J. A., Verduzco, V. S.	2018	Observed trends and future projections of extreme heat events in Sonora, Mexico	Adaptation	Recommendations	Local	Sonora, Mexico	Model	Extreme temperature	Heat	10.1002/joc.5719
371	Peng, E. K., Malek, M. A., Azimah Bahrum, N., Tan, C. S.	2018	Greenhouse Gas (GHG) emission estimation from cropland remaining cropland in AFOLU sector for various districts in Sarawak	Mitigation	Recommendations	Local	Sarawak, Malaysia	Scenarios/projections	Air quality	Pollution	10.14419/ijet.v7i4.35.22327
372	Puri, S., Perera, A. T. D., Mauree, D., Coccolo, S., Delannoy, L., Scartezzini, J.-L.	2018	The role of distributed energy systems in European energy transition		Recommendations	International	Stockholm, Copenhagen, Madrid, Rome, Brussels, Paris, Belgrade	Model	Socio-economic	Energy demand and supply	10.1016/j.egypro.2019.01.014
378	Samson, E. A., Boykin, K. G., Kepner, W. G.,	2018	Evaluating biodiversity metric response to forecasted land use	Adaptation	Recommendations	Local	Rio Grande, Brazil	Scenarios/projections	Socio-economic	Land use change	10.3390/envir.2018.091

	Andersen, M. C., Fernald, A.		change in the Northern Rio Grande Basin								
379	Samu, R., Kentel, A. S.	2018	An analysis of the flood management and mitigation measures in Zimbabwe for a sustainable future	Mitigation	Recommendations	National	Zimbabwe	Model	Sea level rise/flooding	Flooding	10.1016/j.ijdr.2018.07.013
380	Sandholz, S., Lange, W., Nehren, U.	2018	Governing green change: Ecosystem-based measures for reducing landslide risk in Rio de Janeiro	Mitigation	Recommendations	Local	Rio de Janeiro, Brazil	Descriptive statistics	Socio-economic	Landslide risk	10.1016/j.ijdr.2018.01.020
381	Seguido, Á. F. M., Cantos, J. O., Amorós, A. M. R.	2018	A questioned transfer: The Tagus-Segura. Socio-economic repercussions in Spanish southeast and uncertainty regarding climate change	Adaptation	Recommendations	National	Spain	Scenarios/projections	Socio-economic	Hydraulic infrastructure	*NR
384	Sethi, M., Puppim de Oliveira, J. A.	2018	Cities and climate co-benefits	Both adaptation and mitigation	Recommendations	National	India	*NR	Socio-economic	Urban Agenda (cities and climate co-benefits)	10.1007/978-981-10-5816-5_1
387	Tayarani, M., Poorfakhraei, A., Nadafianshamabadi, R., Rowangould, G.	2018	Can regional transportation and land-use planning achieve deep reductions in GHG emissions from vehicles?	Mitigation	Recommendations	Local	Albuquerque, U.S.A	Model	Socio-economic	Transportation	10.1016/j.trd.2018.05.010
389	Toledo, A. L. L., Rovere, E. L. L.	2018	Urban mobility and greenhouse gas emissions: Status, public policies, and scenarios in a developing economy city, Natal, Brazil	Mitigation	Recommendations	Local	Natal, Brazil	IPCC methodology	Socio-economic	Urban mobility sector	10.3390/su10113995

392	Wiktorowicz, J., Babaeff, T., Breadsell, J., Byrne, J., Eggleston, J., Newman, P.	2018	WGV: An Australian Urban Precinct Case Study to Demonstrate the 1.5 degrees C Agenda Including Multiple SDGs	Mitigation	Recommendations	Local	Perth, Australia	*NR	Socio-economic	Urban planning	10.17645/up.v3i2.1245
394	Yu, Q., Lau, A. K. H., Tsang, K. T., Fung, J. C. H.	2018	Human damage assessments of coastal flooding for Hong Kong and the Pearl River Delta due to climate change-related sea level rise in the twenty-first century	Adaptation	Recommendations	Local	Hong Kong, China	Descriptive statistics	Sea level rise/flooding	Flooding	10.1007/s11069-018-3236-9
397	Zhou, Y., Shan, Y., Liu, G., Guan, D.	2018	Emissions and low-carbon development in Guangdong-Hong Kong-Macao Greater Bay Area cities and their surrounding	Mitigation	Recommendations	International	Guangzhou, Shenzhen, Foshan, Dongguan, Zhuhai, Zhongshan, Jiangmen, Zhaoqing, Huizhou, Hong Kong, Macao, Shantou, Chaozhou, Jieyang, Shanwei, Zhanjiang, Maoming, Yangjiang, Shaoguan, Qingyuan, Yunfu, Meizhou,	IPCC methodology	Socio-economic	Emissions and low carbon development	10.1016/j.apenergy.2018.07.038

							Heyuan, China				
398	Zhuang, G., Zhou, Z. g.	2018	Formulation of Low-Carbon City Development Roadmap: Technical Elements and Recommendations	Mitigation	Recommendations	National	China	Scenarios/projections	Socio-economic	Low carbon city development	10.1142/s2345748117500233
399	Aldersoni, A. A., Chow, D. H. C.	2018	Adapting Traditional Passive Strategies within Contemporary House to Decrease High energy consumption Impact in Nejd Region, Saudi Arabia	Mitigation	Recommendations	Local	Riyadh, Saudi Arabia	Model	Socio-economic	Energy consumption	10.1088/1755-1315/329/1/012007
401	Andimuthu, R., Kandasamy, P., Mudgal, B. V., Jeganathan, A., Balu, A., Sankar, G.	2019	Performance of urban storm drainage network under changing climate scenarios: Flood mitigation in Indian coastal city	Mitigation	Recommendations	Local	Chenna, India	Scenarios/projections	Sea level rise/flooding	Flooding	10.1038/s41598-019-43859-3
405	Balasubramanian, T. N., Nambi Appadurai, A.	2019	Climate policy	Mitigation	Recommendations	Global		*NR	Socio-economic	Climate policy	10.1007/978-981-13-9570-3_2
406	Baycan, N., Zengin, T. O., Iop	2019	Determination of Carbon Footprint of Automobile Origin in Izmir City	Mitigation	Recommendations	Local	Izmir, Turkey	IPCC methodology	Air quality	Pollution-carbon footprint	10.1088/1755-1315/642/1/012015
409	Carrillo, J., Garijo, D., Crowley, M., Carrillo, R., Gil, Y., Borda, K.	2019	Semantic workflows and machine learning for the assessment of carbon storage by urban trees	Mitigation	Recommendations	Local	Juba, South Sudan	Machine learning/algorithms	Socio-economic	Urban trees	*NR
410	Chen, Y., Li, M., Su, K., Li, X.	2019	Spatial-Temporal Characteristics of the Driving Factors of Agricultural Carbon	Mitigation	Recommendations	Local	Fujian, China	Model	Air quality	Pollution	10.3390/en12163102

			Emissions: Empirical Evidence from Fujian, China								
411	Clerici, N., Cote-Navarro, F., Escobedo, F. J., Rubiano, K., Villegas, J. C.	2019	Spatio-temporal and cumulative effects of land use-land cover and climate change on two ecosystem services in the Colombian Andes	Mitigation	Recommendations	Local	Bogota, Columbia	Model	Socio-economic	Land use /land cover change and climate change	10.1016/j.scitotenv.2019.06.275
412	de la Torre Bayo, J. J., Díaz-López, C., Rodríguez González, M. L., Ibarra, E. M., Zamorano, M.	2019	Climate classification and its applicability to buildings	Adaptation	Recommendations	National	Spain	Model	Socio-economic	Buildings	10.2495/SC190281
413	Delannoy, L., Puri, S., Perera, A. T. D., Coccolo, S., Mauree, D., Scartezzini, J. L.	2019	Climate impact and energy sustainability of future European neighborhoods	Mitigation	Recommendations	International	Hemberg, Copenhagen, Stockholm, Berlin, Budapest, Athens, London, Nicosia, Amsterdam, Paris	Model	Socio-economic	Energy demand and supply	10.1109/EFEA.2018.8617066
414	Dew, R. M., Silva, D. P., Rehan, S. M.	2019	Range expansion of an already widespread bee under climate change	Mitigation	Recommendations	Without scale		Model	Socio-economic	Bee species	10.1016/j.gecco.2019.e00584
417	Frantzeskaki, N., McPhearson, T., Collier, M. J., Kendal, D., Bulkeley, H., Dumitru, A., Walsh,	2019	Nature-based solutions for urban climate change adaptation: Linking science, policy, and practice communities for	Both adaptation and mitigation	Recommendations	Local	Edmonton, Canada	*NR	Socio-economic	Nature Based Solutions (Urban Agenda)	10.1093/biosci/biz042

	C., Noble, K., Van Wyk, E., Ordóñez, C., Oke, C., Pintér, L.		evidence-based decision-making								
418	Göpfert, C., Wamsler, C., Lang, W.	2019	Institutionalizing climate change mitigation and adaptation through city advisory committees: Lessons learned and policy futures	Mitigation	Recommendations	National	Aschaffenburg, Bonn, Darmstadt, Dortmund, Frankfurt am Main, Göttingen, Hannover, Heidelberg, Kaiserslautern, Karlsruhe, Kempten, Ludwigshafen, Magdeburg, Mainz, Muenster, Mülheim, Osnabrueck, Potsdam, Würzburg, China	Descriptive statistics	Socio-economic	Climate change mitigation and adaptation	10.1016/j.cacint.2019.100004
420	Hadadi, O. A., Lee, S.	2019	The climate change mitigation potential of Algiers URT through mode shift from the car to rail—assessing CO ₂ emissions reductions on	Mitigation	Recommendations	Local	Algiers, Algeria	IPCC methodology	Air quality	Outdoor pollution-CO ₂	10.1080/13563475.2018.1535960

			the basis of savings in fuel consumption								
421	Han, D., Qiao, R., Ma, X.	2019	Optimization of Land-Use Structure Based on the Trade-Off Between Carbon Emission Targets and Economic Development in Shenzhen, China	Mitigation	Recommendations	Local	Shenzhen, China	IPCC methodology	Socio-economic	Economic development	10.3390/su11010011
422	Huang, P. J., Huang, S. L., Marcotullio, P. J.	2019	Relationships between CO2 emissions and embodied energy in building construction: A historical analysis of Taipei	Mitigation	Recommendations	Local	Taipei, Taiwan	IPCC methodology	Air quality	Pollution- CO2	10.1016/j.buildenv.2019.03.059
424	Jia, J., Gong, Z., Chen, C., Gu, Z., Xie, D.	2019	Incorporating carbon emissions from landfills and wastewater treatment into a household emission inventory for systematically analysing household behaviour	Mitigation	Recommendations	Local	Nanchang, China,	IPCC methodology	Air quality	Pollution-CO2	10.2166/wcc.2018.071
425	Jusselme, T., Fernandes, P. A., Rey, E., Andersen, M.	2019	Design guidance from a data-driven LCA-based design method and tool prototype	Mitigation	Recommendations	Local	Fribourg, Switzerland	Life cycle assessment	Socio-economic	Design guidance for buildings	*NR
426	Khan, M. D., Shakya, S., Vu, H. H. T., Ahn, J. W., Nam, G.	2019	Water environment policy and climate change: A comparative study of India and South Korea	Mitigation	Recommendations	International	India, South Korea	*NR	Socio-economic	Water environment policy	10.3390/SU11123284
427	Kim, M. K., Choi, J. H.	2019	Can increased outdoor CO2 concentrations impact on the ventilation	Adaptation	Recommendations	Local	Shanghai, China	Model	Air quality	Indoor pollution-CO2	10.1016/j.atmosenv.2019.04.015

			and energy in buildings? A case study in Shanghai, China								
428	Kontogianni, A., Damigos, D., Kyrtzoglou, T., Tourkolias, C., Skourtos, M.	2019	Development of a composite climate change vulnerability index for small craft harbours	Adaptation	Recommendations	Local	Lesvos Island, Greece	IPCC methodology	Socio-economic	Small craft harbours	10.1080/17477891.2018.1512469
429	Lahmouri, M., Drewes, J. E., Gondhalekar, D.	2019	Analysis of greenhouse gas emissions in centralized and decentralized water reclamation with resource recovery strategies in Leh Town, Ladakh, India, and potential for their reduction in context of the Water-Energy-Food Nexus	Mitigation	Recommendations	Local	Leh, India	Scenarios/projections	Air quality	Pollution- CO ₂ , CH ₄ , and N ₂ O	10.3390/w11050906
430	Lam, Y. F., Mul Roy, S.	2019	Climate adaptation of sea-level rise in Hong Kong	Adaptation	Recommendations	Local	Hong Kong, China	Scenarios/projections	Sea level rise/flooding	Sea level rise	10.1007/978-3-030-23773-8_9
431	Lassandro, P., Di Turi, S., Zaccaro, S. A.	2019	Mitigation of rising urban temperatures starting from historic and modern street canyons towards zero energy settlement	Mitigation	Specific evidence (Vegetation, green roofs and water projects)	Local	Bari, Italy	Model	Extreme temperature	Heat	10.1088/1757-899X/609/7/072036
432	Lee, S.	2019	An assessment of CO ₂ emission and absorption in response to land-cover changes in the Seoul metropolitan area	Mitigation	Recommendations	Local	Seoul, South Korea	Model	Air quality	Pollution-CO ₂	10.18178/ijesd.2019.10.12.1208

433	Li, Z., Li, Y., Shao, S.	2019	Analysis of Influencing Factors and Trend Forecast of Carbon Emission from Energy Consumption in China Based on Expanded STIRPAT Model	Mitigation	Recommendations	National	China	IPCC methodology	Socio-economic	Energy consumption	10.3390/en12163054
436	Mammarella, M. C., Grandoni, G.	2019	Resilience actions to counteract the effects of climate change and health emergencies in cities: The role of artificial neural networks	Adaptation	Recommendations	Local	Arizona, USA	Machine learning/algorithms	Health	Health	10.4415/ANN_19_04_14
437	Martínez-Gomariz, E., Locatelli, L., Guerrero, M., Russo, B., Martínez, M.	2019	Socio-economic potential impacts due to urban pluvial floods in Badalona (Spain) in a context of climate change	Adaptation	Recommendations	Local	Badalona, Spain	Scenarios/projections	Sea level rise/Flooding	Flooding	10.3390/W11122658
438	Meyer, I., Hama, M., Jandl, R., Leitner, M., Keuschnig, M., Anders, I., Fritz, O., Berthold, H., Eder, B.	2019	Co-creating a desirable and resilient future for Lienz, Austria—a local case study in socio-economic scenario development	Mitigation	Recommendations	Local	Lienz, Austria	Survey and participatory	Socio-economic	Economic development	10.1007/s10113-018-1439-y
439	Misra, P., Imasu, R., Takeuchi, W.	2019	Impact of urban growth on air quality in Indian cities using hierarchical Bayesian approach	Mitigation	Recommendations	National	India	Descriptive statistics	Air quality	Pollution-PM2.5	10.3390/atmos10090517
440	Murtagh, N., Odeleye, N. D., Maidment, C.	2019	Identities as enabling conditions of sustainability practices in urban planning: A critical realist exploration with planners in England	Mitigation	Recommendations	National	England, UK	Survey and participatory	Socio-economic	Sustainability practices	10.17645/up.v4i4.2263

441	Navarro Gonzalez, I., Jimenez Cisneros, B., Aponte Hernandez, N., Montes Rojas, R.	2019	Adaptation and mitigation synergies to improve sanitation: a case study in Morelos, Mexico	Both adaptation and mitigation	Recommendations	Local	Morelos State, Mexico	IPCC methodology	Air quality	Pollution-CH ₄ , N ₂ O	10.2166/wcc.2018.121
443	Nematchoua, M. K., Yvon, A., Kalameu, O., Asadi, S., Choudhary, R., Reiter, S.	2019	Impact of climate change on demands for heating and cooling energy in hospitals: An in-depth case study of six islands located in the Indian Ocean region	Mitigation	Recommendations	International	Antananarivo, Victoria, Moroni, Mamoudzou, Port-Louis, Saint-Denis	Model	Socio-economic	Energy demand	10.1016/j.scs.2018.10.031
445	Paul, A., Deka, J., Gujre, N., Rangan, L., Mitra, S.	2019	Does nature of livelihood regulate the urban community's vulnerability to climate change? Guwahati city, a case study from North East India	Adaptation	Recommendations	Local	Guwahati, India	IPCC methodology	Socio-economic	Vulnerability	10.1016/j.jenvman.2019.109591
446	Pulselli, R. M., Marchi, M., Neri, E., Marchettini, N., Bastianoni, S.	2019	Carbon accounting framework for decarbonisation of European city neighbourhoods	Mitigation	Recommendations	International	European cities	IPCC methodology	Socio-economic	Decarbonization	10.1016/j.jclepro.2018.10.102
447	Qu, S., Guan, D., Ma, Z., Yi, X.	2019	A study on the optimal path of methane emissions reductions in a municipal solid waste landfill treatment based on the IPCC-SD model	Mitigation	Recommendations	National	Chinese cities	Model	Air quality	Outdoor pollution-CH ₄	10.1016/j.jclepro.2019.03.059
448	Rohmer, J., Le Cozannet, G., Manceau, J. C.	2019	Addressing ambiguity in probabilistic assessments of future coastal flooding	Adaptation	Recommendations	National	France	Scenarios/projections	Sea level rise/flooding	Flooding	10.1007/s10584-019-02443-4

			using possibility distributions								
450	Roshan, G., Oji, R., Attia, S.	2019	Projecting the impact of climate change on design recommendations for residential buildings in Iran	Adaptation	Recommendations	National	Bandarabbas Bushehr Mashhad Abadan Esfahan Ramsar Ghazvin Ardabeil Hamedan-Nozeh Firuzkuh-GAW, Iran	IPCC methodology	Socio-economic	Building design recommendations	10.1016/j.builenv.2019.03.053
451	Serafín González, S. L.	2019	Externalidades de las emisiones del transporte público en Tepic, México: cambio climático y sustentabilidad	Mitigation	Recommendations	Local	Tepic, Mexico	IPCC methodology	Air quality	Pollution-CO2	10.14483/22487638.15455
452	Sharma, N., Kumar, P. P., Dhyani, R., Ravisekhar, C., Ravinder, K.	2019	Idling fuel consumption and emissions of air pollutants at selected signalized intersections in Delhi	Mitigation	Recommendations	Local	Delhi, India	Survey and participatory	Air quality	Pollution- CO2, CH4, and N2O, CO, NOx, NMVOC	10.1016/j.jclepro.2018.11.275
454	Singh, M., Leena, G.	2019	Forecasting of GHG emission and linear pinch analysis of municipal solid waste for the city of Faridabad, India	Mitigation	Recommendations	Local	Faridabad, India	IPCC methodology	Socio-economic	Solid waste disposal	10.1080/15567036.2019.1568642
455	Singh, R. P., Kolok, A. S., Bartelt-Hunt, S. L.	2019	Water Conservation, Recycling and Reuse: Issues and Challenge	Adaptation	Recommendations	Without scale		*NR	Water supply/drought	Water supply	10.1007/978-981-13-3179-4

456	Sthel, M. S., Mothé, G. A., Lima, M. A., de Castro, M. P. P., Esquef, I., da Silva, M. G.	2019	Pollutant gas and particulate material emissions in ethanol production in Brazil: social and environmental impacts	Mitigation	Recommendations	Local	Campos dos Goytacazes, Brazil	Experiment/laboratory	Air quality	Outdoor pollution-N2O, CO, NOx (NO, NO2), and SO2	10.1007/s11356-019-06613-w
457	Suryati, I., Manik, B. D. L., Syavira, F., Karina, G. N., Herlina, N., Hasibuan, N. H., Siregar, R. L., I. O. P. Publishing	2019	Alternative study of reducing Carbon Dioxide (CO2) from the transportation sector in Medan city	Mitigation	Recommendations	Local	Medan, Indonesia	IPCC methodology	Air quality	Outdoor pollution-CO2	10.1088/1757-899x/801/1/012072
459	Toy, S., Demircan, N.	2019	Possible ways of mitigating the effects of climate change using efficient urban planning and landscape design principles in Turkey	Mitigation	Recommendations	National	Turkey	IPCC methodology	Socio-economic	Urban planning and landscape design	*NR
460	Wang, J., Chen, L., Chen, L., Zhao, X., Wang, M., Ju, Y., Xin, L.	2019	City-level features of energy footprints and carbon dioxide emissions in Sichuan province of China	Mitigation	Recommendations	National	Chengdu Mianyang Panzhihua Deyang Guangyuan Yibin Luzhou Zigong Leshan Suining Ganzi Meishan Neijiang Yaan Ziyang Sichuan	IPCC methodology	Socio-economic	Low carbon development	10.3390/en12102025

							Province, China				
461	Wang, L., Pei, J., Geng, J., Niu, Z.	2019	Tracking the spatial-temporal evolution of carbon emissions in China from 1999 to 2015: A land use perspective	Mitigation	Recommendations	National	China	IPCC methodology	Socio-economic	Carbon emission of land use	10.3390/su11174531
462	Xu, C., Haase, D., Su, M., Yang, Z.	2019	The impact of urban compactness on energy-related greenhouse gas emissions across EU member states: Population density vs physical compactness	Mitigation	Recommendations	International	EU member states	IPCC methodology	Socio-economic	Urban compactness	10.1016/j.apenergy.2019.113671
465	Zhang, M., Liu, Z., Van Dijk, M. P.	2019	Measuring urban vulnerability to climate change using an integrated approach, assessing climate risks in Beijing	Adaptation	Recommendations	Local	Beijing, China	Survey and participatory	Socio-economic	Urban vulnerability	10.7717/peerj.7018
466	Zhao, C. S., Yang, Y., Yang, S. T., Xiang, H., Zhang, Y., Wang, Z. Y., Chen, X., Mitrovic, S. M.	2019	Predicting future river health in a minimally influenced mountainous area under climate change	Adaptation	Recommendations	Local	Jinan, China	IPCC methodology	Water supply/drought	Water quality (river health)	10.1016/j.scitotenv.2018.11430
467	Zhao, R., Huang, Y., Yao, M. X., Zhan, L. P., Peng, D. P.	2019	Carbon emission assessment of an urban community	Mitigation	Recommendations	Local	Ya'an, China	IPCC methodology	Socio-economic	Carbon emission assessment	10.15666/aer/1706_1367313684
468	Zhu, E., Deng, J., Zhou, M., Gan, M., Jiang, R., Wang, K., Shahtahmassebi, A.	2019	Carbon emissions induced by land-use and land-cover change from 1970 to 2010 in Zhejiang, China	Mitigation	Recommendations	Local	Zhejiang, China	GIS/remote sensing	Socio-economic	Land use and land cover change	10.1016/j.scitotenv.2018.07317

469	Abadie, L. M., Jackson, L. P., de Murieta, E. S., Jevrejeva, S., Galarraga, I.	2020	Comparing urban coastal flood risk in 136 cities under two alternative sea-level projections: RCP 8.5 and an expert opinion-based high-end scenario	Adaptation	Recomm endation s	Internation al	136 coastal megacities (Guangzho u, Guangdon g, Mumbai, New Orleans, Guayaquil, Alexandria , Shenzhen, Calcutta, Bangkok, Osaka- Kobe, Tokyo, Shanghai, Tianjin, Hai Phong, Nagoya, Abidjan, etc.	Model	Sea level rise/floodi ng	Flooding	10.1016/j.oce coaman.2020 .105249
470	Afriyanie, D., Julian, M. M., Riqqi, A., Akbar, R., Suroso, D. S. A., Kustiwan, I.	2020	Re-framing urban green spaces planning for flood protection through socio- ecological resilience in Bandung City, Indonesia	Both adaptation and mitigation	Recomm endation s	Local	Bandung, Indonesia	GIS/remote sensing	Sea level rise/floodi ng	Flood protection	10.1016/j.citie s.2020.10271 0
471	Almeida, J., Engel, C.	2020	Guidelines for Climate Change Adaptation in Brazilian Cities through Urban Green Infrastructure	Adaptation	Recomm endation s	National	Brazilian cities	IPCC methodolog y	Socio- economic	Climate change adaptation	10.1088/1755 - 1315/503/1/0 12036
476	Borbor-Cordova, M. J., Ger, G., Valdiviezo-Ajila, A.	2020	An operational framework for urban vulnerability to floods in	Adaptation	Recomm endation s	Local	Duran, Ecuador	Model	Sea level rise/floodi ng	Flooding	10.3390/su12 2410292

	A., Arias-Hidalgo, M., Matamoros, D., Nolivos, I., Menoscal-Aldas, G., Valle, F., Pezzoli, A., Cornejo-Rodriguez, M. P.		the guayas estuary region: The duran case study								
477	Bradecki, T., Konsek, P.	2020	Examples and concepts of floating architecture in the face of climate change - The example of Szczecin	Adaptation	Recommendations	Local	Szczecin, Poland	*NR	Socio-economic	Floating architecture	10.1088/1757 - 899X/960/3/032062
478	Cárdenas-Jirón, L. A., Miranda, F.	2020	Variation in the Irradiance on Facades According to Solar Access at Neighbourhood Level in Winter, Santiago. A Rationale for Public Policy in the Urban Planning	Mitigation	Recommendations	Local	Ñuñoa-Santiago, Chile	Model	Extreme temperature	Solar access	10.1088/1755 - 1315/503/1/012046
480	de Morais, M. V. B., Guerrero, V. V. U., Rudke, A. P., Fujita, T., Martins, L. D., Martins, J. A.	2020	Evaluation of future climate change scenarios in urban heat island and its neighborhood using dynamical downscaling	Mitigation	Recommendations	Local	Londrina, Brazil	Model	Extreme temperature	Urban heat island	10.4090/juee.2020.v14n1.101118
482	Estoque, R. C., Ooba, M., Seposo, X. T., Togawa, T., Hijioka, Y., Takahashi, K., Nakamura, S.	2020	Heat health risk assessment in Philippine cities using remotely sensed data and social-ecological indicators	Adaptation	Recommendations	National	139 cities in Philippine	IPCC methodology	Health	Mortality	10.1038/s41467-020-15218-8
483	Fang, A., Chen, Y., Wu, L.	2020	Transient simulation of coupled heat and moisture transfer through multi-layer walls	Adaptation	Recommendations	Local	Guangzhou, China	Model	Extreme temperature	Heat and moisture transfer	10.1016/j.scs.2019.101812

			exposed to future climate in the hot and humid southern China area								
484	Ghafoor, G. Z., Sharif, F., Khan, A. U., Hayyat, M. U., Farhan; L. Shahzad, M.	2020	Energy consumption and carbon dioxide emissions of residential buildings in Lahore, Pakistan	Mitigation	Recommendations	Local	Lahore, Pakistan	IPCC methodology	Socio-economic	Energy consumption in residential buildings	10.15244/pjoes/109305
485	Hawchar, L., Naughton, O., Nolan, P., Stewart, M. G., Ryan, P. C.	2020	A GIS-based framework for high-level climate change risk assessment of critical infrastructure	Adaptation	Recommendations	National	Ireland	GIS/remote sensing	Socio-economic	Critical infrastructure vulnerability	10.1016/j.crm.2020.100235
490	Huang, J., Tang, Z., Liu, D., He, J.	2020	Ecological response to urban development in a changing socio-economic and climate context: Policy implications for balancing regional development and habitat conservation	Both adaptation and mitigation	Recommendations	Local	Hubei Province, China	Model	Socio-economic	Ecological response to urban development	10.1016/j.landscapepol.2020.104772
492	Jing, C., Tao, H., Jiang, T., Wang, Y., Zhai, J., Cao, L., Su, B.	2020	Population, urbanization and economic scenarios over the Belt and Road region under the Shared Socioeconomic Pathways	Adaptation	Recommendations	Global		Scenarios/projections	Socio-economic	Population and urbanization	10.1007/s11442-020-1715-x
496	Kousis, I., Fabiani, C., Ercolanoni, L., Pisello, A. L.	2020	Using bio-oils for improving environmental performance of an advanced resinous binder for pavement applications with heat and noise island mitigation potential	Mitigation	Specific evidence (bio-oils)	Global		Experiment/laboratory	Socio-economic	Bio-oils	10.1016/j.seta.2020.100706

498	Lin, W., Sun, Y., Nijhuis, S., Wang, Z.	2020	Scenario-based flood risk assessment for urbanizing deltas using future land-use simulation (FLUS): Guangzhou Metropolitan Area as a case study	Mitigation	Recommendations	Local	Guangzhou, China	GIS/remote sensing	Sea level rise/flooding	Flood risk assessment	10.1016/j.scitotenv.2020.139899
499	Marelle, L., Myhre, G., Steensen, B. M., Hodnebrog, Ø., Alterskjær, K., Sillmann, J.	2020	Urbanization in megacities increases the frequency of extreme precipitation events far more than their intensity	Mitigation	Recommendations	International	Paris, Tokyo, Shanghai, New York	Model	Socio-economic	Urbanization	10.1088/1748-9326/abcc8f
500	Merschroth, S., Miatto, A., Weyand, S., Tanikawa, H., Schebek, L.	2020	Lost material stock in buildings due to sea level rise from global warming: The case of Fiji Islands	Adaptation	Recommendations	National	Fiji	GIS/remote sensing	Sea level rise/flooding	Sea level rise	10.3390/su12030834
503	Ougougdal, H. A., Khebiza, M. Y., Messouli, M., Lachir, A.	2020	Assessment of future water demand and supply under IPCC climate change and socio-economic scenarios, using a combination of models in Ourika watershed, High Atlas, Morocco	Adaptation	Recommendations	Local	Ourika, Morocco	Model	Water supply/drought	Water demand and supply	10.3390/w12061751
504	Park, J., Yang, B.	2020	GIS-enabled digital twin system for sustainable evaluation of carbon emissions: A case study of Jeonju city, south Korea	Adaptation	Recommendations	Local	Jeonju, South Korea	IPCC methodology	Air quality	Pollution	10.3390/su12219186
505	Park, S., Kim, S. J., Yu, H., Lim, C. H.,	2020	Developing an adaptive pathway to mitigate air pollution risk for	Mitigation	Recommendations	National	South Korea	IPCC methodology	Air quality	Pollution	10.3390/su12051790

	Park, E., Kim, J., Lee, W. K.		vulnerable groups in South Korea								
507	Pioppi, B., Pigliautile, I., Piselli, C., Pisello, A. L.	2020	Cultural heritage microclimate change: Human-centric approach to experimentally investigate intra-urban overheating and numerically assess foreseen future scenarios impact	Adaptation	Recommendations	Local	Gubbio, Italy	Experiment/laboratory	Extreme temperature	Outdoor/indoor thermal comfort	10.1016/j.scitotenv.2019.134448
508	Ramachandran, R. M., Roy, P. S., Chakravarthi, V., Joshi, P. K., Sanjay, J.	2020	Land use and climate change impacts on distribution of plant species of conservation value in Eastern Ghats, India: a simulation study	Adaptation	Recommendations	Local	Ghats, India	Scenarios/projections	Socio-economic	Plant species conservations	10.1007/s10661-019-8044-5
509	Rodríguez, M. V., Cordero, A. S., Melgar, S. G., Andújar Márquez, J. M.	2020	Impact of global warming in subtropical climate buildings: Future trends and mitigation strategies	Mitigation	Recommendations	National	Spain	IPCC methodology	Socio-economic	Energy consumption of buildings	10.3390/en13236188
510	Rong, P., Zhang, Y., Qin, Y., Liu, G., Liu, R.	2020	Spatial differentiation of carbon emissions from residential energy consumption: A case study in Kaifeng, China	Mitigation	Recommendations	Local	Kaifeng, China	IPCC methodology	Socio-economic	Urban residential GHG emissions	10.1016/j.jenvman.2020.110895
511	Ruiz-Alvarez, O., Singh, V. P., Enciso-Medina, J., Ernesto Ontiveros-Capurata, R., Corrales-Suastegui, A.	2020	Spatio-Temporal Trends of Monthly and Annual Precipitation in Aguascalientes, Mexico	Adaptation	Recommendations	Local	Aguascalientes, Mexico	Descriptive statistics	Socio-economic	Agriculture	10.3390/atmos11050437

513	Sánchez-García, D., Bienvenido-Huertas, D., Pulido-Arcas, J. A., Rubio-Bellido, C.	2020	Analysis of energy consumption in different European cities: The adaptive comfort control implemented model (ACCIM) considering representative concentration pathways (RCP) scenarios	Adaptation	Recommendations	National	Barcelona, Berlin, Bern, Rome, and Vienna	Scenarios/projections	Extreme temperature	Thermal comfort	10.3390/app10041513
514	Sapiains, R., Ugarte, A. M., Aldunce, P., Marchant, G., Romero, J. A., González, M. E., Inostroza-Lazo, V.	2020	Local perceptions of fires risk and policy implications in the hills of Valparaiso, Chile	Mitigation	Recommendations	Local	Valparaiso, Chile	Descriptive statistics	Socio-economic	Fire risk	10.3390/su12104298
519	Setyono, P., Himawan, W., Sari, C. P., Gunawan, T., Murti, S. H.	2020	Greenhouse gas pollution based on energy use and its mitigation potential in the city of Surakarta, Indonesia	Mitigation	Recommendations	Local	Surakarta, Indonesia	IPCC methodology	Socio-economic	Energy use	10.22146/ijg.48802
523	Sol, E., Boyoung, H., Song, C., Eunbeen, P., Kim, J., Woo-Kyun, L.	2020	Pilot Study and Development of Activity Data for Greenhouse Gas Inventory of Settlement Categories in Korea: A Case of Incheon Seo-gu	Mitigation	Recommendations	Without scale		*NR	Socio-economic	GHG inventory	*NR
524	Solyman, A., Abdel Monem, T.	2020	Mapping Egypt Vulnerability to Sea Level Rise Scenarios	Adaptation	Recommendations	National	Egypt	Model	Sea level rise/flooding	Sea level rise	10.1007/978-3-030-41629-4_9
525	Takane, Y., Ohashi, Y., Grimmond, C. S. B., Hara, M., Kikegawa, Y.	2020	Asian megacity heat stress under future climate scenarios: Impact of air-conditioning feedback	Mitigation	Recommendations	Local	Osaka, Japan	Model	Extreme temperature	Heat stress	10.1088/2515-7620/ab6933

526	Tomatis, F.	2020	Análisis de posibles repercusiones del cambio climático sobre el Camino de Santiago Francés en su paso por Castilla y León (España)	Adaptation	Recommendations	Local	Castilla y León, Spain	Scenarios/projections	Socio-economic	Repercussions of climate change	*NR
527	Villamor, E., Akizu-Gardoki, O., Azurza, O., Urkidi, L., Campos-Celador, A., Basurko, I., Hinojal, I. B.	2020	European cities in the energy transition: A preliminary analysis of 27 cities	Mitigation	Recommendations	International	27 European cities	Survey and participatory	Socio-economic	Energy transition	10.3390/en13061315
528	Wang, G., Liu, Y., Hu, Z., Lyu, Y., Zhang, G., Liu, J., Liu, Y., Gu, Y., Huang, X., Zheng, H., Zhang, Q., Tong, Z., Hong, C., Liu, L.	2020	Flood risk assessment based on fuzzy synthetic evaluation method in the beijing-tianjin-hebei metropolitan area, China	Mitigation	Recommendations	National	Beijing-Tianjin-Hebei, China	Machine learning/algorithms	Sea level rise/flooding	Flood risk	10.3390/su12041451
533	Zhang, L., Li, Z., Jia, X., Tan, R. R., Wang, F.	2020	Targeting carbon emissions mitigation in the transport sector – A case study in Urumqi, China	Mitigation	Recommendations	Local	Urumqi, China	Model	Air quality	Outdoor pollution-carbon emissions	10.1016/j.jclepro.2020.120811
535	Zhang, P., Cai, W., Yao, M., Wang, Z., Yang, L., Wei, W.	2020	Urban carbon emissions associated with electricity consumption in Beijing and the driving factors	Mitigation	Recommendations	Local	Beijing, China	IPCC methodology	Socio-economic	Electricity-related carbon emissions	10.1016/j.apenergy.2020.115425
536	Zhao, C., Chen, J., Su, G., Yuan, H.	2020	Assessment of the climate change adaptation capacity of urban agglomerations in China	Both adaptation and mitigation	Recommendations	National	Chinese cities	Model	Socio-economic	Adaptive capacity	10.1007/s11027-019-09874-5

540	Bai, Y., Wang, W., Hu, Y., Wang, Z.	2020	County-level estimates of population and economic scenarios under the shared socioeconomic pathways: A case study in Inner Mongolia, China	Mitigation	Recommendations	Local	Inner Mongolia, China	Model	Socio-economic	Population and economic scenarios	10.1016/j.pce.2021.103017
541	Bayomi, N., Elkholy, M., Rakha, T., Fernandez, J. E.	2020	Passive survivability under extreme heat events: The case of AlDarb Al Ahmar, Cairo	Mitigation	Recommendations	Local	Al Darb Al Ahmar, Cairo, Egypt	Model	Extreme temperature	Extreme heat event	10.1080/23744731.2021.1953356
542	Bozhko, L., Starodubets, N., Turgel, I., Naizabekov, A.	2021	GHG Emissions Assessment as Part of MSW Green Cluster Design: Case of Large Cities in Russia and Kazakhstan	Mitigation	Specific evidence (green clusters)	International	Yekaterinburg (Russia) and Almaty (Kazakhstan)	IPCC methodology	Air quality	Pollution-CO2	10.2478/rtuect-2021-0088
546	Chauhan, D., Thiyaharajan, M., Pandey, A., Singh, N., Singh, V., Sen, S., Pandey, R.	2021	Climate change water vulnerability and adaptation mechanism in a Himalayan City, Nainital, India	Adaptation	Recommendations	Local	Nainital, India	IPCC methodology	Water supply/drought	Water vulnerability	10.1007/s11356-021-15713-5
547	Chen, G., Xie, J., Li, W., Li, X., Hay Chung, L. C., Ren, C., Liu, X.	2021	Future “local climate zone” spatial change simulation in Greater Bay Area under the shared socioeconomic pathways and ecological control line	Mitigation	Recommendations	National	Guangdong-Hong Kong-Macao	IPCC methodology	Socio-economic	Land use/land cover change	10.1016/j.builenv.2021.108077
548	Chen, L., Li, X., Yang, Y., Wang, M.	2021	Analyzing the features of energy consumption and carbon emissions in the Upper Yangtze River Economic Zone	Mitigation	Recommendations	National	Yunnan Guizhou Sichuan Chongqing (provinces in the	IPCC methodology	Socio-economic	Energy consumption and carbon emissions	10.1002/ghg.2067

							Upper Yangtze River Economic Zone) China				
549	Chen, Q., Zha, D., Wang, L., Yang, G.	2021	The direct CO2 rebound effect in households: Evidence from China's provinces	Mitigation	Recommendations	National	China	IPCC methodology	Air quality	Indoor pollution-CO2	10.1016/j.rser.2021.111888
550	Chen, T. L., Lin, Z. H.	2021	Planning for climate change: evaluating the changing patterns of flood vulnerability in a case study in New Taipei City, Taiwan	Mitigation	Recommendations	Local	Taipei, Taiwan	Model	Sea level rise/flooding	Flooding	10.1007/s00477-020-01890-1
551	Cudjoe, D., Acquah, P. M.	2021	Environmental impact analysis of municipal solid waste incineration in African countries	Mitigation	Recommendations	International	56 African countries	IPCC methodology	Socio-economic	Solid waste incineration	10.1016/j.chemosphere.2020.129186
552	Gherri, B., Maiullari, D., Finizza, C., Maretto, M., Nabon, E.	2021	On Venetian Campi Resilience to Climate Change	Both adaptation and mitigation	Recommendations	Local	Venice, Italy	IPCC methodology	Extreme temperature	Thermal resilience-outdoor -indoor thermal comfort	10.1088/1755-1315/863/1/012005
553	Guan, Y., Shan, Y., Huang, Q., Chen, H., Wang, D., Hubacek, K.	2021	Assessment to China's Recent Emission Pattern Shifts	Mitigation	Recommendations	National	China	IPCC methodology	Socio-economic	Emission inventories	10.1029/2021ef002241
555	Jonghwa, P., Lee, S.	2021	An Empirical Study on Inundation Vulnerability in Urban Declining Areas through Analysis of Sales Change in Living Businesses : Focused on Ulsan Metropolitan City	Mitigation	Recommendations	Local	Ulsan, South Korea	Model	Sea level rise/flooding	Inundation	*NR

556	Khan, N. A., Gao, Q., Abid, M., Shah, A. A.	2021	Mapping farmers' vulnerability to climate change and its induced hazards: evidence from the rice-growing zones of Punjab, Pakistan	Adaptation	Recommendations	Local	Punjab, Pakistan	Survey and participatory	Socio-economic	Farmers vulnerability	10.1007/s11356-020-10758-4
558	King, J.	2021	The climate planner: Overcoming pushback against local mitigation and adaptation plans	Both adaptation and mitigation	Recommendations	Without scale		*NR	Socio-economic	Climate planner	10.4324/9781003181514
561	Kotharkar, R., Ghosh, A., Kotharkar, V.	2021	Estimating summertime heat stress in a tropical Indian city using Local Climate Zone (LCZ) framework	Mitigation	Recommendations	Local	Nagpur, India	Model	Extreme temperature	Heat stress	10.1016/j.uclim.2021.100784
562	Ku, H., Kim, T., Song, Y. I.	2021	Coastal vulnerability assessment of sea-level rise associated with typhoon-induced surges in South Korea	Adaptation	Recommendations	National	South Korea	IPCC methodology	Sea level rise/flooding	Sea level rise and typhoon-induced surges	10.1016/j.oceanaman.2021.105884
563	Lando, A. T., Rahim, I. R., Sari, K., Djamaluddin, I., Arifin, A. N., Sari, A. M.	2021	Estimation of methane emissions from municipal solid waste landfill in Makassar city based on ipcc waste model	Both adaptation and mitigation	Recommendations	Local	Makassar, Indonesia	IPCC methodology	Air quality	Outdoor pollution-CH4	10.1088/1755-1315/841/1/012002
564	Lauzet, N., Colinart, T., Musy, M., Lapray, K.	2021	Selecting extreme weather file to assess overheating in residential building	Adaptation	Recommendations	Local	Lyon, France	Scenarios/projections	Extreme temperature	Thermal comfort-overheating	10.1088/1742-6596/2069/1/012231
566	Liu, Y., Chen, S., Chen, A. Y., Lou, Z.	2021	Variations of GHG emission patterns from waste disposal processes in megacity Shanghai from 2005 to 2015	Mitigation	Recommendations	Local	Shanghai, China	IPCC methodology	Air quality	Outdoor pollution- CO2, CH4, N2O	10.1016/j.jclepro.2021.126338

567	Lo, W., Huang, C. T., Wu, M. H., Doong, D. J., Tseng, L. H., Chen, C. H., Chen, Y. J.	2021	Evaluation of flood mitigation effectiveness of nature-based solutions potential cases with an assessment model for flood mitigation	Mitigation	Recommendations	Local	Nangang, Taiwan	Model	Socio-economic	Nature Base Solutions	10.3390/w13233451
570	Maués, L. M., Beltrão, N., Silva, I.	2021	Ghg emissions assessment of civil construction waste disposal and transportation process in the eastern amazon	Mitigation	Recommendations	Local	Brazilian Amazon	Descriptive statistics	Socio-economic	Urban construction waste	10.3390/su13105666
572	Moore, L., Steynor, A., Waagsaether, K. L., Spires, M., Marie, A.	2021	Exploring the opportunities and constraints to the development of locally applicable water management technology in three sub-Saharan African cities	Adaptation	Recommendations	International	Blantyre, Harare, and Gaborone (Malawi, Zimbabwe, Botswana)	Survey and participatory	Water supply/drought	Water management	10.1016/j.envsci.2021.02.010
573	Mycoo, M., Robinson, S. A., Nguyen, C., Nisbet, C., Tonkel, R. III	2021	Human Adaptation to Coastal Hazards in Greater Bridgetown, Barbados	Adaptation	Recommendations	Local	Bridgetown, Barbados	Content analysis	Sea level rise/flooding	vulnerability to coastal hazards (sea-level rise, storm surges and flooding)	10.3389/fenvs.2021.647788
575	Papagiannakis, A., Ntafos, K.	2021	Impact Assessment of Climate Change on Coastal Transport Systems in the Greater Thessaloniki Area	Adaptation	Recommendations	Local	Thessaloniki, Greece	Scenarios/projections	Sea level rise/flooding	Sea level rise	10.1007/978-3-030-61075-3_73
576	Rahman, M. M., Rahman, S. M., Rahman, M. S., Hasan, M. A.,	2021	Greenhouse gas emissions from solid waste management in Saudi Arabia—analysis	Mitigation	Recommendations	National	Saudi Arabia	IPCC methodology	Socio-economic	Solid waste management	10.3390/app11041737

	Shoab, S. A., Rushd, S.		of growth dynamics and mitigation opportunities								
577	Robertson, J. C., Randrup, K. V., Howe, E. R., Case, M. J., Levin, P. S.	2021	Leveraging the potential of nature to meet net zero greenhouse gas emissions in Washington State	Mitigation	Recommendations	Local	Washington, U.S.A	Scenarios/projections	Socio-economic	Net zero greenhouse gas emission	10.7717/peerj.11802
579	Sam A. G., Abidoye, B. O., Mashaba, S.	2021	Climate change and household welfare in sub-Saharan Africa: empirical evidence from Swaziland	Adaptation	Recommendations	National	Swaziland	Model	Socio-economic	Household welfare and food insecurity	10.1007/s12571-020-01113-z
581	Suryati, I., Herlina, N., Hasibuan, N. H., Siregar, R. L., Husna, A., Silalahi, A., Audina, M., Sari, S.	2021	The mitigation strategy for reducing greenhouse gas emissions from household activities in Medan city	Mitigation	Recommendations	Local	Medan, Indonesia	IPCC methodology	Air quality	Indoor pollution-GHG emissions (CO ₂ , CH ₄ , and N ₂ O)	10.1088/1755-1315/802/1/012034
582	Suryati, I., Hijriani, A., Indrawan, I.	2021	Estimation of greenhouse gas emission from household activities during the COVID-19 pandemic in Binjai City, North Sumatera	Mitigation	Recommendations	Local	Binjai, Indonesia	IPCC methodology	Air quality	Indoor pollution-GHG emissions (CO ₂ , CH ₄)	10.1088/1755-1315/896/1/012054
587	Xu, L., Geng, Y., Wu, D., Zhang, C., Xiao, S.	2021	Carbon Footprint of Residents' Housing Consumption and Its Driving Forces in China	Mitigation	Specific evidence (Controlling population growth and promoting urbanization)	National	China	IPCC methodology	Socio-economic	Housing carbon footprints	10.3390/en14133890

					benefits; encouraging green consumption; optimizing household energy consumption structure, and enhancing residential building energy management)						
588	Yang, X., Shang, G., Deng, X.	2021	Estimation, decomposition and reduction potential calculation of carbon emissions from urban construction land: evidence from 30 provinces in China during 2000–2018	Mitigation	Recommendations	National	China	IPCC methodology	Air quality	Outdoor pollution-CO2	10.1007/s10668-021-01769-3
589	Alkhawaga, A., Zeidan, B., Elshemy, M.	2021	Climate change impacts on water security elements of Kafr El-Sheikh governorate, Egypt	Adaptation	Recommendations	Local	Kafr El Sheikh, Egypt	Scenarios/projections	Water supply/drought	Water security	10.1016/j.agwat.2021.107217